Anexa nr. 17 – COMISIA INGINERIE MECANICĂ, MECATRONICĂ ŞI ROBOTICĂ

STANDARDE MINIMALE NECESARE SI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂŢĂMÂNTUL SUPERIOR ŞI A GRADELOR PROFESIONALE DE CERCETARE – DEZVOLTARE

Nr. crt.	Domeniul activităţilor	Rezultatele activităţilor	Subcategorii			Indicatori
1	Activitatea didactică şi profesională - DID (A1)	Manuale suport de curs (conform fişei disciplinei de concurs)	A1.1	Format tipărit/electronic[1] (min. 100 pag.)	Coordonator/ prim autor	N1.1 = număr
					Co-autor	N1.2 = număr
				Format electronic disponibil pe platforma universităţii/departamentului (autor)		N1.3 = număr
		Material didactic /Dezvoltare laboratoare, aplicaţii	A1.2	Standuri laborator (construcţie/ modernizări) certificate de directorul de departament		N2.1 = număr
				Îndrumar laborator/carte aplicaţii format tipărit sau electronic (autor, co-autor)		N2.2 = număr
				Aplicaţie informatică educaţională		N2.3 = număr
2.	Activitatea de cercetare ştiinţifică, dezvoltare tehnologică şi inovare - CDI (A2)	Articole şi publicaţii ştiinţifice indexate Web of Science Thomson Reuters (WOS) [2] , unde n = nr.de autori şi FI este factorul de impact [3]	A2.1	Autor corespondent / prim autor	n ≤3	P1.1 = 2·(0,2 + FI)
					n ≥4	P1.2 = 2·3·(0,2 + FI)/n
				Co-autor	n ≤3	P1.3 = 0,2 + FI
					n ≥4	P1.4 = 3·(0,2 + FI)/n
		Articole şi publicaţii ştiinţifice BDI [4] neincluse la A2.1	A2.2	Autor corespondent/prim autor		N3.1 = număr
				Co-autor		N3.2 = număr
		Brevete de invenţii indexate [5]	A2.3.	Internaţionale indexate în Web of Science – Derwent Innovation		P2.1 = acelaşi calcul cu A2.1 şi FI = 2
				Naţionale indexate OSIM		P2.2 = acelaşi calcul cu A2.1 şi FI = 0,5
		Produse, tehnologii, platforme şi servicii inovative (validate conform procedurilor specifice unităţilor de învăţământ superior sau de cercetare)	A2.4	Coordonator/prim autor		N4.1 = număr
				Co-autor		N4.2 = număr
		Monografii/cărţi de specialitate[2], format tipărit/electronic (min. 100 pag.)	A2.5	Coordonator/prim autor		N4.3 = număr
				Co-autor		N4.4 = număr
3	Recunoaşterea şi impactul activităţii - RIA (A3)	Atragere resurse financiare prin granturi/proiecte/contracte terţi	A3.1	Director sau responsabil partener la grant/proiect câştigat prin competiţie naţională sau internaţională		S1 [6] = sumă echivalentă în mii Euro[9]
				Membru în echipă la grant/proiect câştigat prin competiţie naţională sau internaţională, proiecte/contracte terţi		S2[7]= sumă echivalentă în mii Euro[8]
		Prezentarea/Diseminarea rezultatelor: prezenţă la manifestări ştiinţifice în calitate de autor/co-autor de lucrări, profesor invitat	A3.2	Congrese/conferinţe/workshopuri internaţionale, profesor invitat la universităţi/institute din străinătate		N5 = număr

		Citări în publicaţii BDI [5] (se exclud autocitările)	A3.3.	C1 = numărul de citări S_{FI} = suma factorilor de impact al publicaţiilor WOS în care apar citările	$C = C1 + S_{FI}$

Note:
[1] Publicaţia este înregistrată în fondul de carte al bibliotecii naţionale sau al bibliotecilor universităţilor respective.
[2] Se exclud publicaţiile conferinţelor DAAAM şi WSEAS.
[3] FI este factorul de impact al revistei la data înscrierii la concurs sau la data publicării articolului (cel mai avantajos pentru candidat). Se iau în considerare la această categorie numai revistele cu factor de impact la data publicării articolului. O revistă WOS este echivalentă cu o revistă cotată ISI cf. Ordinului de Ministru (MECTS) Nr. 4478 din 23 iunie 2011, publicat in Monitorul Oficial, Partea I, Nr. 448/27.VI.2011.
[4] Bazele de date BDI acceptate sunt: Web of Science Thomson Reuters (WOS) şi SCOPUS.
[5] Un brevet se poate încadra la o singură categorie.
[6] Suma din grant/proiect încasată de instituţie repartizată echipei din care directorul de grant/responsabil partener face parte (S1 include cheltuieli de: personal, logistică, deplasări, indirecte).
[7] Suma din grant/proiecte câştigate prin concurs naţional/internaţional şi proiecte/contracte terţi încasată de instituţie şi repartizată de director/responsabil persoanei respective (S2 include cheltuieli de: personal, logistică, deplasări, indirecte).
[8] Pentru contractele derulate înainte de 01.01.1999 se va considera echivalarea: 1 EURO = 1 $ USA

Condiţii minimale şi obligatorii						
Domeniul de activitate		**Indicatori**	**Conferenţiar**	**Profesor**	**CSII**	**CSI**
Activitatea didactică / profesională (A1)	A1.1	N1	2	2	Nu se aplică	Nu se aplică
		N1.1	0	1		
		N1.3	1	1		
	A1.2	N2	3	4		
		N2.1	1	2		
Activitatea de cercetare (A2)	A2.1 + A2.3	P1+P2	5	10	5	10
		P1	3	6	3	6
	A2.2	N3	8	10	8	10
		N3.1	3	5	3	5
	A2.4 + A2.5	N4	1	2	1	2
		N4.3	0	1	0	1
Recunoaşterea impactului activităţii (A3)	A3.1	S1 + S2	10	50	10	50
	A3.2	N5	5	10	5	10
	A3.3	C	10	25	10	25

unde:
P 1 = P1.1 + P1.2 + P1.3 + P1.4; P2 = P2.1 + P2.2;
N1 = N1.1 + N1.2; N2 = N2.1 + N2.2 + N2.3; N3 = N3.1 + N3.2;
N4 = N4.1 + N4.2 + N4.3 + N4.4.

CANDIDAT: Conf. dr. ing. LINUL EMANOIL - Condiţii minimale şi obligatorii						
Domeniul de activitate	**Subcategorii**	**Indicatori**	**Punctaj realizat**	**Cerinte Profesor**	**Anexe**	
Activitatea didactică și profesională - DID (A1)	A1.1	**N1**	**2**	**2**	Conform A1.1	indicator îndeplinit
		N1.1	**1**	**1**		indicator îndeplinit
		N1.3	**3**	**1**		indicator îndeplinit
	A1.2	**N2**	**8**	**4**	Conform A1.2	indicator îndeplinit
		N2.1	**7**	**2**		indicator îndeplinit
Activitatea de cercetare științifică, dezvoltare tehnologică și inovare - CDI (A2)	A2.1 +A2.3	**P1+P2**	**311.71**	**10**	Conform A2.1	indicator îndeplinit
		P1	**311.71**	**6**		indicator îndeplinit
	A2.2	**N3**	**35**	**10**	Conform A2.2	indicator îndeplinit
		N3.1	**10**	**5**		indicator îndeplinit
	A2.4 + A2.5	**N4**	**2**	**2**	Conform A2.5	indicator îndeplinit
		N4.3	**1**	**1**		indicator îndeplinit
Recunoașterea și impactul activității - RIA (A3)	A3.1	**S1 + S2**	**110.25**	**50**	Conform A3.1	indicator îndeplinit
	A3.2	**N5**	**15**	**10**	Conform A3.2	indicator îndeplinit
	A3.3	**C**	**5275.73**	**25**	Conform A3.3	indicator îndeplinit
		TOTAL	**6093.40**	**129**		

A - Conf. dr. ing. LINUL EMANOIL - Condiţii minimale şi obligatorii										
Nr. crt.	**Domeniul activităților**	**Rezultatele activităților**	**Subcategorii**			**Indicatori**	**Punctaj**	**Anexa**		**Punctaj**
1	Activitatea didactică și profesională - DID (A1)	Manuale suport de curs (conform fișei disciplinei de concurs)	**A1.1**	Format tipărit / electronic (min. 100 pag.)	Coordonator /prim autor	N1.1	**1**	anexa A1.1	**N1**	**2**
					Co-autor	N1.2	**1**	anexa A1.1		
				Format electronic disponibil pe platforma universității / departamentului (autor)		N1.3	**3**	anexa A1.2		
		Material didactic / Dezvoltare laboratoare, aplicații	**A1.2**	Standuri laborator (construcție/ modernizări) certificate de directorul de departament		N2.1	**7**	anexa A1.2	**N2**	**8**
				Îndrumar laborator/ carte aplicații format tipărit sau electronic (autor, co-autor)		N2.2	**1**	anexa A1.2		
				Aplicație informatică educațională		N2.3	**0**			
2	Activitatea de cercetare științifică, dezvoltare tehnologică și inovare - CDI (A2)	Articole și aplicații științice indexate Web of Science Thomson Reuters (WOS), unde n = nr. de autori și FI este factorul de impact	**A2.1**	Autor corespondent / prim autor	n ≤ 3	P1.1 = 2*(0,2 +FI)	**169.05**		**P1**	**311.71**
					n ≥ 4	P1.2 = 2*3*(0,2+FI)/n	**80.35**	anexa A2.1		
				Co-autor	n ≤ 3	P1.3 = 0,2 +FI	**22.43**			
					n ≥ 4	P1.4 = 3*(0,2+FI)/n	**39.88**	anexa A2.1		
		Articole și aplicații științice BDI neincluse la A2.1	**A2.2**	Autor corespondent / prim autor		N3.1 = număr	**10**	anexa A2.2	**N3**	**35**
				Co-autor		N3.2 = număr	**25**	anexa A2.2		
		Brevete de invenții indexate	**A2.3**	Internaționale indexate în Web of Science - Derwent Innovation		P2.1 = același calcul cu A2.1 și FI = 2	**0**		**P2**	**0**
				Naționale indexate OSIM		P2.2 = același calcul cu A2.1 și FI = 0,5	**0**			
		Produse, tehnologii, platforme și servicii inovative	**A2.4**	Coordonator / prim autor		N4.1 = număr	**0**		**N4**	**2**
				Co-autor		N4.2 = număr	**1**			
		Monografii / cărți de specialitate, format tipărit / electronic (min. 100 pag.)	**A2.5**	Coordonator / prim autor		N4.3 = număr	**1**	anexa A2.5		
				Co-autor		N4.4 = număr	**0**			
3	Recunoașterea și impactul activității - RIA (A3)	Atragere resurse financiare prin granturi / proiecte / contracte terți	**A3.1**	Director sau responsabil partener la grant/proiect câștigat prin competiție națională sau internațională		S1 = sumă echivalentă în mii Euro	**3.37**	anexa A3.1	**S1 + S2**	**110.25**
				Membru în echipă la grant/proiect câștigat prin competiție națională sau internațională, proiecte/contracte terți		S2 = sumă echivalentă în mii Euro	**106.88**			
		Prezentarea/Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor/co-autor de lucrări, profesor invitat	**A3.2**	Congrese/conferințe/workshopuri internaționale, profesor invitat la universități/institute din străinătate		N5 = număr	**15**	anexa A3.2	**N5**	**15**
		Citări în publicații BDI	**A3.3**	CI = numărul de citări; S_{FI} = suma factorilor de impact al publicațiilor WOS în care apar citările		$C = CI + S_{FI}$	**5275.7**	anexa A3.3	**C**	**5275.73**

ANEXA A1.1 - Manuale suport de curs (conform fișei disciplinei de concurs)					
N1.1	**Autori**	**Titlu**	**Editura**	**ISBN**	**Scor**
1	**E. Linul**, S.V. Galatanu, D. Silaghi-Perju	Fundamente de Inginerie Mecanica. Solicitari Mecanice	Politehnica	978-606-35-0279-8	**1**
				TOTAL	**1**
N1.2	**Autori**	**Titlu**	**Editura**	**ISBN**	**Scor**
1	D. Silaghi-Perju, **E. Linul**	Fundamente de Inginerie Mecanica. Teorie si aplicatii	Politehnica	978-606-554-706-3	**1**
				TOTAL	**1**
N1.3	**Autori**	**Titlu**	**Adresa de site**	**Nr. Autori**	**Scor**
1	**E. Linul**	Rezistenta Materialelor 2	https://cv.upt.ro/mod/folder/view.php?id=314562	1	**1**
2	**E. Linul**, S.V. Galatanu, D. Silaghi-Perju	Elemente de Inginerie Mecanica	https://cv.upt.ro/mod/folder/view.php?id=316420	3	**1**
3	**E. Linul**	Metode Experimentale in Inginerie Mecanica	https://cv.upt.ro/mod/folder/view.php?id=316425	1	**1**
				TOTAL	**3**

ANEXA A1.2 - Material didactic / Dezvoltare laboratoare, aplicații						
N2.1. Standuri de laborator						
N2.1	**Autori**	**Titlul lucrarii**		**Disponibil**	**Anul**	**Punctaj**
1	**E. Linul**, I. Bobina	Stand experimental pentru incercarea la forfecare a spumelor polimerice		Laborator RM (Departamentul MRM)	2016	**1**
2	**E. Linul**, C. Codrescu	Stand experimental tip ARCAN pentru teste de mecanica ruperi a materialelor celulare		Laborator RM (Departamentul MRM)	2016	**1**
3	**E. Linul**, C. Didilescu, S. Oprea	Stand experimental pentru incercari dinamice de compresiune si incovoiere in trei puncte		Laborator RM (Departamentul MRM)	2017	**1**
4	**E. Linul**, C. Peri	Modernizarea masinii de încercări mecanice de 10 kN prin montarea unui dispozitiv de compresiune la temperaturi ridicate		Laborator RM (Departamentul MRM)	2017	**1**
5	**E. Linul**, E. Valean	Stand experimental pentru incercari de incovoiere in trei puncte in azot lichid		Laborator RM (Departamentul MRM)	2018	**1**
6	**E. Linul**, R.P. Bercuci, F.V. Szabo	Stand experimental de mecanica ruperii pentru modul mixt I+II+III de incarcare		Laborator RM (Departamentul MRM)	2020	**1**
7	**E. Linul**, A.A. Munteanu	Stand experimental pentru incercari de tractiune in azot lichid		Laborator RM (Departamentul MRM)	2020	**1**
					TOTAL	**7**
N2.2. Îndrumar de laborator						
N2.2	**Autori**	**Titlul lucrarii**	**Editura**	**ISBN**	**Anul**	**Punctaj**
1	**E. Linul**, D.A. Serban, M. Hluscu, L.D. Pirvulescu, S.V. Galatanu, M. Sava, I. Sisak	Rezistenta Materialelor. Lucrari de laborator	Politehnica	978-606-35-0280-4	2019	**1**
					TOTAL	**1**

ANEXA A2.1 - Articole și aplicații științice indexate Web of Science Thomson Reuters (WOS)										
n ≤ 3										
P1.1	**AUTORI**	**TITLU**	**REVISTA**	**ISSN**	**ANUL**	**Vol (Nr)**	**Pagina**	**n**	**IF**	**Punctaj**
1	**E. Linul**, O. Khezrzadeh	Axial crashworthiness performance of foam-based composite structures under extreme temperature conditions	Composite Structures	0263-8223	2021	271	114156	2	5.407	11.214
2	N. Movahedi, **E. Linul** (Autor corespondent)	Radial crushing response of ex-situ foam-filled tubes at elevated temperatures	Composite Structures	0263-8223	2021	277	114634	2	5.407	11.214
3	D.K. Rajak, **E. Linul** (Autor corespondent)	Crushing response of Composite Metallic Foams: Density and High Strain Rate effects	Journal of Alloys and Compounds	0925-8388	2021	871	159614	2	5.316	11.032
4	D.I. Stoia, L. Marsavina, **E. Linul** (Autor corespondent)	Mode I critical energy release rate of additively manufactured polyamide samples	Theoretical and Applied Fracture Mechanics	0167-8442	2021	114	102968	3	4.017	8.434
5	D.K. Rajak, P.H. Wagh, **E. Linul** (Autor corespondent)	Manufacturing Technologies of Carbon/Glass Fiber-Reinforced Polymer Composites and Their Properties: A Review	Polymers	2073-4360	2021	13(21)	3721	3	4.329	9.058
6	D.I. Stoia, L. Marsavina, **E. Linul** (Autor corespondent)	Mode I Fracture Toughness of Polyamide and Alumide Samples obtained by Selective Laser Sintering Additive Process	Polymers	2073-4360	2020	12 (3)	640	3	4.329	9.058
7	**E. Linul**, L. Marşavina, D.I. Stoia	Mode I and II fracture toughness investigation of Laser-Sintered Polyamide	Theoretical and Applied Fracture Mechanics	0167-8442	2020	106	102497	3	4.017	8.434
8	D.K. Rajak, N.N. Mahajan, **E. Linul** (autor corespondent)	Crashworthiness performance and microstructural characteristics of foam-filled thin-walled tubes under diverse strain rate	Journal of Alloys and Compounds	0925-8388	2019	775	675-689	3	5.316	11.032
9	D.I. Stoia, L. Marsavina, **E. Linul** (Autor corespondent)	Correlations between Process Parameters and Outcome Properties of Laser-Sintered Polyamide	Polymers	2073-4360	2019	11(11)	1850	3	4.329	9.058
10	**E. Linul**, C. Vălean, P.A. Linul	Compressive behavior of aluminum microfibers reinforced semi-rigid polyurethane foams	Polymers	2073-4360	2018	10(12)	1298	3	4.329	9.058
11	**E. Linul,** D.A. Serban, L. Marsavina	Influence of cell topology on mode I fracture toughness of cellular structures	Physical Mesomechanics	1029-9599	2018	21(2)	178-186	3	1.85	4.100
12	**E. Linul,** N. Movahedi, L. Marsavina	On the Lateral Compressive Behavior of Empty and Ex-Situ Aluminum Foam-Filled Tubes at High Temperature	Materials	1996-1944	2018	11(4)	554	3	3.623	7.646
13	N. Movahedi, **E. Linul** (autor corespondent)	Mechanical properties of Light Expanded Clay Aggregated (LECA) filled tubes	Materials Letters	0167-577X	2018	217	194-197	2	3.423	7.246
14	**E. Linul,** N. Movahedi, L. Marsavina	The temperature and anisotropy effect on compressive behavior of cylindrical closed-cell aluminum-alloy foams	Journal of Alloys and Compounds	0925-8388	2018	740	1172-1179	3	5.316	11.032
15	N. Movahedi, **E. Linul** (autor corespondent), L. Marsavina	The Temperature Effect on the Compressive Behavior of Closed-Cell Aluminum-Alloy Foams	Journal of Materials Engineering and Performance	1059-9495	2018	27(1)	99-108	3	1.819	4.038
16	**E. Linul,** N. Movahedi, L. Marsavina	The temperature effect on the axial quasi-static compressive behavior of ex-situ aluminum foam-filled tubes	Composite Structures	0263-8223	2017	180	709-722	3	5.407	11.214
17	N. Movahedi, **E. Linul** (autor corespondent)	Quasi-static compressive behavior of the ex-situ aluminum-alloy foam-filled tubes under elevated temperature conditions	Materials Letters	0167-577X	2017	206	182-184	2	3.423	7.246
18	**E. Linul,** L. Marsavina, J. Kováčik	Collapse mechanisms of metal foam matrix composites under static and dynamic loading conditions	Materials Science & Engineering A	0921-5093	2017	690	214-224	3	5.234	10.868
19	**E. Linul,** L. Marsavina	Assesment of sandwich beams with rigid polyurethane foam core using failure-mode maps	Proceedings of the Romanian Academy – Series A	1454-9069	2015	16(4)	522-530	2	1.735	3.870
20	**E. Linul,** L. Marsavina	Prediction of fracture toughness for open cell polyurethane foams by finite element micromechanical analysis	Iranian Polymer Journal	1026-1265	2011	20(9)	736-746	2	1.899	4.198
									TOTAL	**169.05**

			n ≥ 4							
P1.2	**AUTORI**	**TITLU**	**REVISTA**	**ISSN**	**ANUL**	**Vol (Nr)**	**Pagina**	**n**	**IF**	**Punctaj**
1	E. Linul (Autor corespondent), D. Pietras, T. Sadowski, L. Marşavina, D.K. Rajak, J. Kovacik	Crashworthiness performance of lightweight Composite Metallic Foams at high temperatures	Composites Part A: Applied Science and Manufacturing	1359-835X	2021	149	106516	6	7.664	7.864
2	G Epasto, F Distefano, L Gu, H Mozafari, **E Linul** (Autor corespondent)	Design and optimization of metallic foam Shell protective device against flying ballast impact damage in railway axles	Materials & Design	0264-1275	2020	196	109120	5	7.991	9.829
3	D Pietras, **E Linul** (Autor corespondent), T Sadowski, A Rusinek	Out-of-plane crushing response of aluminum honeycombs in-situ filled with graphene-reinforced polyurethane foam	Composite Structures	0263-8223	2020	249	112548	4	5.407	8.411
4	**E. Linul**, L. Marşavina, C. Vălean, R. Bănică	Static and dynamic mode I fracture toughness of rigid PUR foams under room and cryogenic temperatures	Engineering Fracture Mechanics	0013-7944	2020	225	106274	4	4.406	6.909
5	O. Khezrzadeh, O. Mirzaee, E. Emadoddin, **E. Linul** (Autor corespondent)	Anisotropic Compressive Behavior of Metallic Foams under Extreme Temperature Conditions	Materials	1996-1944	2020	13(10)	2329	4	3.623	5.735
6	**E. Linul**, D. Lell, N. Movahedi, C. Codrean, T. Fiedler	Compressive properties of Zinc Syntactic Foams at elevated temperatures	Composites Part B	1359-8368	2019	167	122-134	5	9.078	11.134
7	**E. Linul**, L. Marşavina, P.A. Linul, J. Kovacik	Cryogenic and high temperature compressive properties of Metal Foam Matrix Composites	Composite Structures	0263-8223	2019	209	490-498	4	5.407	8.411
8	D.K. Rajak, D.D. Pagar, P.L. Menezes, E. Linul (Autor corespondent)	Fiber-Reinforced Polymer composites: Manufacturing, properties, and applications	Polymers	2073-4360	2019	11(10)	1667	4	4.329	6.794
9	**E. Linul**, D.A. Şerban, L. Marsavina, T. Sadowski	Assessment of collapse diagrams of rigid polyurethane foams under dynamic loading conditions	Archives of Civil and Mechanical Engineering	1644-9665	2017	17	457 – 466	4	4.369	6.854
10	**E. Linul,** D.A. Şerban, L. Marsavina, J. Kovacik	Low-cycle fatigue behaviour of ductile closed-cell aluminium alloy foams	Fatigue and Fracture of Engineering Materials and Structures	8756-758X	2017	40	597-604	4	3.459	5.489
11	**E. Linul**, L. Marsavina, J. Kovacik, T. Sadowski	Dynamic and quasi-static compression tests of closed-cell aluminium alloy foams	Proceedings of the Romanian Academy – Series A	1454-9069	2017	18(4)	361-369	4	1.752	2.928
									TOTAL	**80.35**
			n ≤ 3							
P1.3	**AUTORI**	**TITLU**	**REVISTA**	**ISSN**	**ANUL**	**Vol (Nr)**	**Pagina**	**n**	**IF**	**Punctaj**
1	L Marsavina, E Linul	Fracture toughness of rigid polymeric foams: A review	Fatigue & Fracture of Engineering Materials & Structures	1460-2695	2020	43(11)	2483-2514	**2**	3.459	3.66
2	A.I. Bucur, E. Linul, B.O. Taranu	Hydroxyapatite coatings on Ti substrates by simultaneous precipitation and electrodeposition	Applied Surface Science	0169-4332	2020	527	146820	3	6.707	6.91
3	D.I. Stoia, E. Linul, L. Marsavina	Influence of Manufacturing Parameters on Mechanical Properties of Porous Materials by Selective Laser Sintering	Materials	1996-1944	2019	12(6)	871	3	3.623	3.82
4	J. Kovacik, L. Marsavina, **E. Linul**	Poisson's Ratio of Closed-Cell Aluminium Foams	Materials	1996-1944	2018	11(10)	1904	3	3.623	3.82
5	L. Marsavina, J. Kovacik, **E. Linul**	Experimental validation of micromechanical models for brittle aluminium alloy foam	Theoretical and Applied Fracture Mechanics	0167-8442	2016	83	11-18	3	4.017	4.22
									TOTAL	**22.43**

n ≥ 4										
P1.4	**AUTORI**	**TITLU**	**REVISTA**	**ISSN**	**ANUL**	**Vol (Nr)**	**Pagina**	**n**	**IF**	**Punctaj**
1	D.M. Imani, M.R.M. Aliha, E. Linul, L. Marsavina	A suitable mixed mode I/II test specimen for fracture toughness study of polyurethane foam with different cell densities	Theoretical and Applied Fracture Mechanics	0167-8442	2022	117	103171	4	4.017	3.163
2	G. Epasto, F. Distefano, H. Mozafari, **E. Linul**, V. Crupi	Nondestructive Evaluation of Aluminium Foam Panels Subjected to Impact Loading	Applied Sciences	2076-3417	2021	11(3)	1148	5	2.679	1.727
3	A. Pugna, R. Negrea, **E. Linul**, L Marsavina	Is Fracture Toughness of PUR Foams a Material Property? A Statistical Approach	Materials	1996-1944	2020	13	4868	4	3.623	2.867
4	T. Fiedler, K. Al-Sahlani, P. A. Linul, **E. Linul**	Mechanical properties of A356 and ZA27 metallic syntactic foams at cryogenic temperature	Journal of Alloys and Compounds	0925-8388	2020	813	152181	4	5.316	4.137
5	M.R.M. Aliha, S.S. Mousavi, A. Bahmani, **E. Linul,** L. Marsavina	Crack initiation angles and propagation paths in polyurethane foams under mixed modes I/II and I/III loading	Theoretical and Applied Fracture Mechanics	0167-8442	2019	101	152-161	5	4.017	2.530
6	M. Vodă, C. Codrean, D. Chicot, V.A. Serban, I.D. Utu, **E. Linul,** D. Buzdugan	Characterization of brazed joints by electrical resistance spot brazing with Ni-based amorphous self-flux alloys	Journal of Manufacturing Processes	1526-6125	2019	37	617-627	7	5.01	2.233
7	M.R.M. Aliha, **E. Linul**, A. Bahmani, L. Marsavina	Experimental and theoretical fracture toughness investigation of PUR foams under mixed mode I+III loading	Polymer Testing	0142-9418	2018	67	75-83	4	4.282	3.362
8	M. Taherishargh, **E. Linul**, S. Broxtermann, T. Fiedler	The mechanical properties of expanded perlite-aluminium syntactic foam at elevated temperatures	Journal of Alloys and Compounds	0925-8388	2018	737	590-596	4	5.316	4.137
9	L. Marşavina, F. Berto, R. Negru, D.A. Şerban, **E. Linul**	An engineering approach to predict mixed mode fracture of PUR foams based on ASED and micromechanical modelling	Theoretical and Applied Fracture Mechanics	0167-8442	2017	91	148-154	5	4.017	2.530
10	D.A. Apostol, F. Stuparu,D.M. Constantinescu,L. Marsavina, **E. Linul**	Experimental and XFEM Analysis of Mode II Propagating Crack in a Polyurethane Foam	Materiale Plastice	0025-5289	2016	53(4)	685-688	5	0.778	0.587
11	D.A. Apostol, F. Stuparu,D.M. Constantinescu,L. Marsavina, **E. Linul**	Crack Length Influence on Stress Intensity Factors for the Asymmetric Four-point Bending Testing of a Polyurethane Foam	Materiale Plastice	0025-5289	2016	53(2)	280-282	5	0.778	0.587
12	L. Marsavina, D.M. Constantinescu, **E. Linul,** F.A. Stuparu, D.A. Apostol	Experimental and numerical crack paths in PUR foams	Engineering Fracture Mechanics	0013-7944	2016	167	68-83	5	4.406	2.764
13	D.A. Şerban, T. Voiconi, **E. Linul**, L. Marşavina, N. Modler	Viscoelastic Properties of PUR Foams: Impact excitation and dynamic mechanical analysis	Materiale Plastice	0025-5289	2015	58 (4)	537-541	5	0.903	0.662
14	R. Negru, L. Marsavina, T. Voiconi, **E. Linul**,H. Filipescu, G. Belgiu	Application of TCD for brittle fracture of notched PUR materials	Theoretical and Applied Fracture Mechanics	0167-8442	2015	80	87-95	6	4.017	2.109
15	L. Marsavina, D.M. Constantinescu, **E. Linul**, T. Voiconi,D.A. Apostol	Shear and mode II fracture of PUR foams	Engineering Failure Analysis	1350-6307	2015	58	465-476	5	3.114	1.988
16	D.A. Şerban, **E. Linul**, T. Voiconi, L. Marsavina, N. Modler	Numerical evaluation of two-dimensional micromechanical structures of anisotropic cellular materials: case study for polyurethane rigid foams	Iranian Polymer Journal	1026-1265	2015	24	515-529	5	1.899	1.259
17	L. Marsavina, D.M. Constantinescu, **E. Linul**, D.A. Apostol, T. Voiconi, T. Sadowski	Refinements on fracture toughness of PUR foams	Engineering Fracture Mechanics	0013-7944	2014	129	54-66	6	4.406	2.303
18	L. Marsavina, **E. Linul**, T. Voiconi, T. Sadowski	A comparison between dynamic and static fracture toughness of polyurethane foams	Polymer Testing	0142-9418	2013	32	673-680	4	4.282	3.362
19	M. Birsan, T.Sadowski, L. Marsavina, **E. Linul**, D. Pietras	Mechanical behavior of sandwich composite beams made of foams and functionally graded materials	International Journal of Solids and Structures	0020-7683	2013	50	519-530	5	3.9	2.460
									TOTAL	**39.88**

Anexa A2.2 - Articole și aplicații științice BDI neincluse la A2.1									
N3.1	**AUTORI**	**TITLU**	**REVISTA**	**ISSN**	**ANUL**	**Vol (Nr)**	**Pagina**	**n**	**Punctaj**
1	C. Vălean, C. Şoşdean, L. Marşavina, **E. Linul** (Autor corespondent)	Mechanical characterization of lightweight foam-based sandwich panels	Materials Today: Proceedings	2214-7853	2020	45	4166-4170	4	**1**
2	**E. Linul**, L. Marsavina, J. Kovacik	Compressive behavior and energy absorption capability of reinforced closed-cell aluminum alloy foams	IOP Conference Series: Materials Science and Engineering	1757-899X	2018	416	012079	3	**1**
3	**E. Linul**, K. Korniejenko, D.A. Şerban, R. Negru, L. Marşavina, M. Łach, J. Mikuła	Quasi-static mechanical characterization of lightweight fly ash-based geopolymer foams	IOP Conference Series: Materials Science and Engineering	1757-899X	2018	416	012102	7	**1**
4	**E. Linul**, L. Marsavina, M. Georgescu	The anisotropy effect of closed-cell Polyisocyanurate (PIR) Rigid foam under quasi-static compression loads	IOP Conference Series: Materials Science and Engineering	1757-899X	2018	416	012037	3	**1**
5	**E. Linul**, P.A. Linul, C. Valean, L. Marsavina, D. Silaghi-Perju	Manufacturing and compressive mechanical behavior of reinforced Polyurethane Flexible (PUF) foams	IOP Conference Series: Materials Science and Engineering	1757-899X	2018	416	012053	5	**1**
6	**E. Linul**, L. Marsavina, J. Kovacik	Damage investigation of composite sandwich beams subjected to low-velocity impact	Proceedings of the 14th International Conference on Fracture	ISBN: 978-1-5108-7848-8	2017	2	462-463	3	**1**
7	**E. Linul**, L. Marsavina	Experimental determination of mixed-mode fracture toughness for rigid polyurethane foams	Lecture Notes in Mechanical Engineering	2195-4356	2017		221-237	2	**1**
8	**E. Linul**, D.A. Serban, T. Voiconi, L. Marsavina, T. Sadowski	Energy-absorption and efficiency diagrams of rigid PUR foams	Key Engineering Materials	1013-9826	2014	601	246-249	5	**1**
9	**E. Linul**, T. Voiconi, L. Marsavina, T. Sadowski	Study of factors influencing the mechanical properties of polyurethane foams under dynamic compression	Journal of Physics: Conference Series	1742-6588	2013	451	12002	4	**1**
10	**E. Linul**, L. Marsavina, T. Sadowski and M. Kneć	Size Effect on Fracture Toughness of Rigid Polyurethane Foams	Solid State Phenomena	1012-0394	2012	188	205-210	4	**1**
								TOTAL	**10**

N3.2	**AUTORI**	**TITLU**	**REVISTA**	**ISSN**	**ANUL**	**Vol (Nr)**	**Pagina**	**n**	**Punctaj**
1	L. Marşavina, D.I. Stoia, **E. Linul**	Fracture toughness in additive manufacturing by selective laser sintering: an overview	Material Design and Processing Communications	2577-6576	2021	doi.org/10.1002/mdp2.254	doi.org/10.1002/mdp2.254	3	**1**
2	C. Vălean, L. Marşavina, M. Mărghitaş, **E. Linul**, J. Razavi, F. Berto, R. Brighenti	The effect of crack insertion for FDM printed PLA materials on Mode I and Mode II fracture toughness	Procedia Structural Integrity	2452-3216	2020	28	1134-1139	7	**1**
3	C. Vălean, L. Marşavina, M. Mărghitaş, **E. Linul**, J. Razavi, F. Berto	Effect of manufacturing parameters on tensile properties of FDM printed specimens	Procedia Structural Integrity	2452-3216	2020	26	313-320	6	**1**
4	L. Marsavina, O. Pop, **E. Linul**	Mechanical and fracture properties of particleboard	Frattura ed Integrità Strutturale	1971-8993	2019	47	266-276	3	**1**
5	C. Ghiani, **E. Linul**, M.C. Porcu, L. Marsavina, N. Movahedi, F. Aymerich	Metal foam-filled tubes as plastic dissipaters in earthquake-resistant steel buildings	IOP Conference Series: Materials Science and Engineering	1757-899X	2018	416	012051	6	**1**
6	C. Vălean, **E. Linul**	Comparative study of plastic strain accumulations at thermal cycles for solder alloys	IOP Conference Series: Materials Science and Engineering	1757-899X	2018	416	012092	2	**1**
7	L. Marsavina, O. Pop, **E. Linul**	Mixed mode fracture toughness of particleboard	Procedia Structural Integrity	2452-3216	2018	9	47-54	3	**1**
8	J. Kovácik, J. Jerz, N. Mináriková, L. Marsavina, **E. Linul**	Scaling of compression strength in disordered solids: metallic foams	Frattura ed Integrita Strutturale	1971-8993	2016	36	55-62	5	**1**
9	L. Marsavina, **E. Linul**, T. Voiconi, R. Negru	Experimental Investigations and Numerical Simulations of Notch Effect in Cellular Plastic Materials	IOP Conference Series: Materials Science and Engineering	1757-8981	2016	123(1)	12060	4	**1**

10	D.A. Serban, **E. Linul**, S. Sarandan, L. Marsavina	Development of Parametric Kelvin Structures with Closed Cells	Solid State Phenomena	1012-0394	2016	254	49-54	4	**1**
11	D.A. Apostol, D.M. Constantinescu, L. Marsavina, **E. Linul**	Particularities of the asymmetric four-point bending testing of polyurethane foams	UPB Scientific Bulletin, Series D: Mechanical Engineering	1454-2358	2016	78(2)	57-66	4	**1**
12	L. Marsavina, **E. Linul**, T. Voiconi, D. M. Constantinescu, D. A. Apostol	On the crack path under mixed mode loading on PUR foams	Frattura ed Integrita Strutturale	1971-8993	2015	34	444-453	5	**1**
13	L. Marsavina, D.M. Constantinescu, **E. Linul,** T. Voiconi, D.A. Apostol, T. Sadowski	Evaluation of mixed mode fracture for PUR foams	Procedia Materials Science	2211-8128	2014	3	1342-1352	6	**1**
14	T. Voiconi, **E. Linul**, L. Marsavina, T. Sadowski, M. Knec	Determination of flexural properties of rigid PUR foams using digital image correlation	Solid State Phenomena	1012-0394	2014	216	116-121	5	**1**
15	J. Kovacik, L. Marsavina, A. Adamcikova, F. Simancik, R. Florek, M. Nosko, P. Tobolka, P. Minar, J. Jerz, **E. Linul**	Uniaxial compression tests of metallic foams: A Recipe	Key Engineering Materials	1013-9826	2014	601	237-241	11	**1**
16	D.A. Apostol, D.M. Constantinescu, L. Marsavina, **E. Linul**	Analysis of Deformation Bands in Polyurethane Foams	Key Engineering Materials	1013-9826	2014	601	250-253	4	**1**
17	T. Voiconi, **E. Linul**, L. Marsavina, J. Kovacik, M. Knec	Experimental determination of mechanical properties of aluminium foams using Digital Image Correlation	Key Engineering Materials	1013-9826	2014	601	254-257	5	**1**
18	T.Voiconi, R.Negru, **E.Linul**, L.Marsavina, H.Filipescu	The notch effect on fracture of polyurethane materials	Frattura ed Integrita Strutturale	1971-8993	2014	30	101-108	5	**1**
19	L. Marsavina, D.M. Constantinescu, **E. Linul**, T. Voiconi, D.A. Apostol, T. Sadowski	Damage identification and influence on mechanical properties of closed cell rigid foams	Proceedings of the 13th International Conference on Fracture		2013	4	2895-2901	6	**1**
20	D.A. Apostol, D.M. Constantinescu, L. Marsavina, **E. Linul**	Mixed mode fracture toughness evaluation of polyurethane foams	Proceedings of the 30th Danubia-Adria Symposium on Advances in Experimental Mechanics	ISBN: 978-953753917-7	2013		207-208	4	**1**
21	D.A. Apostol, D.M. Constantinescu, L. Marsavina, **E. Linul**	Densification and energy efficiency of polyurethane foams	Proceedings of the 29th Danubia-Adria Symposium on Advances in Experimental Mechanics	ISBN: 978-867083762-1	2012		120-121	4	**1**
22	L. Marsavina, E. Linul, T. Sadowski, M. Knec, D.A. Apostol	On fracture toughness of polyurethane foams	Proceedings of the 19th European Conference on Fracture	ISBN: 978-1-5108-1056-3	2012		1743	5	**1**
23	L. Marsavina, A. Cernescu, **E. Linul**, D. Scurtu, C. Chirita	Experimental determination and comparison of some mechanical properties of commercial polymers	Materiale Plastice	0025-5289	2010	47(1)	85-89	5	**1**
24	L. Marsavina**, E. Linul**	Fracture toughness of polyurethane foams. experiments versus micromechanical models	Proceedings of the 18th European Conference on Fracture		2010		1-8	2	**1**
25	N. Faur, L. Marsavina, A. Cernescu, C. Nes, **E. Linul**	The influence of the steel and aluminium components separation at the conductors locking for stress-strain tests	Key Engineering Materials	1013-9826	2010	417-418	693-696	5	**1**
								TOTAL	**25**

ANEXA A2.4 - Produse, tehnologii, platforme și servicii inovative					
A2.4	**Autori**	**Titlul lucrarii**	**Date identificare**	**Anul**	**Punctaj**
1	D.K. Rajak, **E. Linul**	Faucet tap design (FTD) and fabrication method for fluid and gases	The Patent Office India, Journal No. 29/2019, Application No. 201921020711 A, Dated 19/07/2019	2019	1
				TOTAL	**1**

ANEXA A2.5 - Monografii / cărți de specialitate, format tipărit / electronic (min. 100 pag.)					
N4.3	**Autori**	**Titlul lucrarii**	**Editura**	**ISBN**	**Punctaj**
1	**E. Linul,** L. Marsavina, C. Valean	Comportamentul la rupere al spumelor poliuretanice	Politehnica	978-606-35-0281-1	1
TOTAL					**1**

Anexa 3.1 - Atragere resurse financiare prin granturi / proiecte / contracte terți								
S1	**Membri**	**Titlul Proiectului**	**Programul**	**Nr. Grant**	**Anul (responsabil de proiect)**	**Valoarea contractului [LEI]**	**Valoarea contractului în mii Euro**	**Valoarea în mii Euro atribuita candidatului**
1	**Linul Emanoil**; Șerban Dan-Andrei; Galațanu Sergiu	Caracterizarea mecanică a structurilor compozite avansate cu miez din spumă de aluminiu	PCD-TC-2017 - Proiecte de Cercetare-Dezvoltare pentru tineri cercetători	16178/2017	2017-2018 **(E. Linul)**	46500	10.11	3.37
						TOTAL	**10.11**	**3.37**

S2	**Membri**	**Titlul Proiectului**	**Programul**	**Nr. Grant**	**Anul (responsabil de proiect)**	**Valoarea contractului [LEI]**	**Valoarea contractului în mii Euro**	**Valoarea în mii Euro atribuita candidatului**
1	Marsavina Liviu; **Linul Emanoil**; Stoia Dan Ioan; Galatanu Sergiu; Ghita Roxana; Cretu Dana.	Eastern european twinning on structural integrity and reliability of advanced materials obtained through additive manufacturing	PN-III-P3-3.6-H2020-2020-0079	857124/2019	2019-2023 (L. Marsavina)	985366	214.21	35.70
2	MARȘAVINA Liviu, CĂDARIU-BRĂILOIU Liviu, DRĂGAN Florin, **LINUL Emanoil**, NEGRU Radu, ȘERBAN Dan Andrei, STOIA Dan, ȘTEFAN Octavian, BRAZDĂU Ioana, GIOVANNELLI Trimena, MACARIE Isabela, MICEA Claudia, HAGY Gabriela, STEPANIAN Agnes	Dezvoltarea unei infrastructuri didactice și de practică în domeniul fabricației aditive	CNFIS-FDI-2021-0585	14925/17.05. 2021	2021 (L. Marsavina)	375900	81.72	5.84
3	Liviu Marsavina, Radu Marcel Negru, **Emanoil Linul**, Dan Andrei Serban, Ion Panfili, Denis Remus Troncota, Vladko Lasak, Cristian Ioan Vajdea, Liviu Cadariu-Brailoiu, Agnes Stepanian, Simona Filipas, Monica Bota, Claudia Micea, Alina Atanasescu, Petru Negrea, Viorel Ungureanu, Stefan Pavel, Constantin Tanasa	Susținerea cercetării de excelență din Universitatea Politehnica Timișoara (CEEX-UPT-100)	CNFIS-FDI-2020-0358		2020 (L. Marsavina)	438720	95.37	5.30

4	Ungureanu Daniel-Viorel; Dubina Dan; Ciutina Adrian; Marşavina Liviu; Cadariu-Brailoiu Liviu Ioan; **Linul Emanoil**; Şerban Dan Andrei; Negru Radu; Rusu Lucian; Stoia Dan Ioan; Galateanu Sergiu; Pirvulescu Liviu; Ionel Ioana; Davidescu Corneliu; Muntean Nicolae; Cornea Octavian; Hulea Dan (DRD); Boldea Ion; Tutelea Lucian; Şorândaru Ciprian; Negrea Petru; Vancea Cosmin; Jurca Marius; Ciopec Mihaela; Lupa Lavinia; Hulka Iosif; Mînzatu Vasile (DRD); Badea Catalin; Şoşdean Corina; Mihăilescu Maria; Buzatu Raluca Ioana; Vitan Liviu-Danut (DRD); Herban Sorin; Both Ioan; Neagu Calin; Abrudan Ovidiu; Floricel Andra (DRD); Grecea Daniel; Pavel Stefan; Muntean Daniel-Mihai (DRD); Gireada Mihaita-Constantin; Mirea Monica; Ciopec Alexandra	Clădiri inteligente adaptabile la efectele schimbărilor climatice	PN III: Programul 1 - Dezvoltarea sistemului național de cercetare-dezvoltare	30PCCDI/2018	2018 (V. Ungureanu)	2735195	594.61	13.83
5	**Linul Emanoil**; Galaţanu Sergiu; Pirvulescu Liviu Daniel	Stress-strain tests for steel and steel-aluminum electric conductors	Contract cu terti (S.C. IPROEB S.A., BISTRITA)	BC47 / 29.05.2018	2018 (**E. Linul**)	8400	1.83	0.61
6	Şerban Dan; Marsavina Liviu; Negru Radu; **Linul Emanoil**	Dezvoltarea de materiale compozite ecosustenabile bazate pe matrici din geopolimeri si ranforsate cu fibre din deseuri	Horizon 2020 - Era NET Latin American and Caribbean Countries	18/2017/2017	2017-2018 (D.A. Serban)	399150	86.77	21.69
7	Mircea Georgescu, Viorel Ungureanu, Liviu Marsavina, **Emanoil Linul**, A. Floricel	Incercari experimentale si simulari numerice in vederea agrementarii materialului Thermconfort pentru aplicatii la acoperisuri tip terasa si respectiv invelitori hale industriale pe suport tabla cutata	Contract cu terti (SC JORIS IDE SRL, BUZIAS)	BC29/29.03.2017	2017 (M. Georgescu)	24367.63	5.30	1.06
8	Marsavina Liviu; Negru Radu; Cercescu Anghel; Rusu Lucian; Serban Dan; **Linul Emanoil**; Galatanu Sergiu; Falk Alexandru; Tamas Krausz; Pepelan Raluca; Pirvulescu Dan Liviu	Transfer de cunoastere pentru evaluarea rezistenței la oboseală a armaturilor volanelor	PNIII, BRIDGE GRANT – TRANSFER DE CUNOASTERE LA AGENTUL ECONOMIC	89BG/2016	2016-2018 (L. Marsavina)	460000	100.00	9.09
9	Serban Dan; Marsavina Liviu; Negru Radu; **Linul Emanoil**; Ariesanu Camelia; Sosdean Corina	Transfer de cunoaştere în scopul optimizării panourilor de bord şi a Head-Up Display-urilor prin testarea şi modelarea materialelor avansate	PNIII, BRIDGE GRANT – TRANSFER DE CUNOASTERE LA AGENTUL ECONOMIC	93BG/2016	2016-2018 (D.A. Serban)	345000	75.00	12.50
10	Marsavina Liviu; **Linul Emanoil**; Jacota Mihaela; Kovacs Ioan	CONTRACT CADRU. Determinarea caracteristicilor mecanice ale unor structuri tip Sandwich	Contract cu terti (SC MONDIAL SA, LUGOJ)	BC62/02.06.2016	2016 (L. Marsavina)	1134	0.25	0.06
11	Codrean Cosmin; **Linul Emanoil**; Raduta Aurel; Buzdugan Dragos; Opris Carmen; Moga-Modrea Elvira; Soveja Lazar	CONTRACT CADRU. Testari si investigatii asupra componentelor metalice de la centurile de siguranta ale autovehiculelor	Contract cu terti (VOESTALPINE STAMPTEC ROMANIA SRL, ARAD)	BC79/26.07.2016	2016 (C. Codrean)	10932	2.38	0.34

12	Marsavina Liviu, **Linul Emanoil,** Şerban Dan-Andrei, Voiconi Tudor, Constantinescu Dan Mihai, Apostol Dragos	MICROSTRUCTURE - MECHANICAL PROPERTIES RELATIONSHIP FOR METALLIC FOAMS	PN II, Acord de cooperare bilateral Romania-Slovacia	653/2013	2013-2014 (L. Marsavina)	8258.04	1.80	0.30
13	Nes Cristian; **Linul Emanoil**; Bogdan Lucian; Amarandei Mihaela; Kovacs Ioan; Kun Karla Noemy	Încercări de tip stress-strain pentru conductorul ACSR 95/15	Contract cu terti (S.C. ELECTROPLAST S.A., BISTRITA)	BC101/01.10.2013	2013 (C. Nes)	7192	1.56	0.26
14	Nes Cristian; **Linul Emanoil**; Amarandei Mihaela	Incercari de tip stress-strain pentru conductori de otel-aluminiu	Contract cu terti (S.C. ELECTROPLAST S.A., BISTRITA)	BC73/15.07.2013	2013 (C. Nes)	4110	0.89	0.30
15	Nes Cristian; Cernescu Anghel; **Linul Emanoil**; Bogdan Lucian; Kun Lorand; Kovacs Ioan	Încercări de tip stress-strain şi rupere totală pentru conductorul 170AL0/28 MEHST	Contract cu terti (ICME ECAB S.A. BUCURESTI)	28/27.03.2012	2012 (C. Nes)	4400	0.96	0.16
16	Nes Cristian; **Linul Emanoil**; Bogdan Lucian; Kun Lorand; Galatanu Sergiu; Kovacs Ioan; Amarandei Mihaela	Încercări de tip stress-strain pentru conductori de medie şi înaltă tensiune	Contract cu terti (S.C. PRYSMIAN Cabluri si Sisteme S.A. SLATINA)	73/29.06.2012	2012 (C. Nes)	1600	0.35	0.05
17	Marsavina Liviu; Constantinescu Dan Mihai; **Linul Emanoil**; Nes Cristian; Apostol Dragos Alexandru; Serban Dan Andrei; Voiconi Tudor; Stuparu Florin	Modelarea micro-mecanica a comportarii la rupere si degradare a materialelor celulare	PN II, Programe de cercetare exploratorie	172/05.10.2011	2011-2016 (L. Marsavina)	1360000	295.65	36.96
18	Faur Nicolae; Kovacs Bella; Nes Cristian; Cernescu Anghel; **Linul Emanoil**; Kovacs Ioan	Teste de stress-strain la conductori electrici din aluminiu si otel-aluminiu, conform SR CEI 1089-97 si SR CEI 61089/A1	Contract cu terti (Electroplast SRL)	BC99/29.09.2009	2009 (N. Faur)	5355	1.16	0.19
19	Faur Nicolae; Nes Cristian; Cernescu Anghel; **Linul Emanoil**	Incercari de Stress Strain pentru conductoare electrici din aluminiu si otel-aluminiu. Tip 4-AL1/22-ST1A (L110)	Contract cu terti (ALRO Slatina)	BC14/19.01.2009	2009 (N. Faur)	2142	0.47	0.12
20	Nes Cristian; Cernescu Anghel; **Linul Emanoil**; Kovacs Ioan	Verificarea tehnica la aparatele de masura tip DVIA-6 , Numar bucati 1 , Serie 4/1982, utilizate pentru tensionarea ancorelor de tip LEA	Contract cu terti (SC ELEMO SRL)	BC185/15.12.2008	2012 (C. Nes)	2000	0.43	0.11
						TOTAL	**1261.68**	**106.88**

Anexa A3.2 - Prezentarea/Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor/co-autor de lucrări, profesor invitat						
	Autori	**Titlul lucrarii**	**Conferinta**	**Tara**	**Anul**	**Punctaj**
1	C. Valean, C. Sosdean, L. Marsavina, **E. Linul**	Mechanical Characterization of PUR Sandwich Panels	8th International Conference on Advanced Materials and Structures - AMS 2020	Timisoara, Romania	October 7-9, 2020	**1**
2	**E. Linul,** L. Marsavina, P. Linul, J. Kovacik, T. Sadowski, A. But	Cryogenic and high temperature behavior of metal foam matrix composites (MFMCs) under static and impact compression loads	21st International Conference on Composite Structures (ICCS21)	Bologna, Italy	September 4-7, 2018	**1**
3	**E. Linul**, L. Marsavina, J. Kovacik	Compressive behavior and energy absorption capability of reinforced closed-cell aluminum alloy foams	7th International Conference on Advanced Materials and Structures - AMS 2018	Timisoara, Romania	March 28-31, 2018	**1**
4	**E. Linul**	Cellular materials in Mechanical and Civil Engineering: Practical applications and experimental characterization	Visiting Professor Programme, University of Cagliari, Italy	Cagliari, Italy	June 1-31, 2017	**1**
5	**E. Linul**,D.A. Şerban, L.Marşavina, J. Kovacik	Fatigue behaviour of ductile closed-cell aluminium alloy foams	The 16th International Conference on New Trends in Fatigue and Fracture – NT2F16	Dubrovnik, Croatia	May 24-27, 2016	**1**
6	**E. Linul**, T. Voiconi, L. Marsavina, J. Kováčik,T.Sadowski, M.Kneć	Failure mechanisms of sandwich beams with stainless steel mesh faces and aluminum foam core under static and dynamic loading conditions	18th International Conference on Composite Structures (ICCS 18)	Lisbon, Portugal	June 15-18, 2015	**1**
7	D.A. Şerban, **E. Linul**, S. Sărăndan, L. Marşavina	Development of parametric Kelvin structures will closed cells	6th International Conference on Advanced Materials and Structures - AMS 2015	Timisoara, Romania	October 16-17, 2015	**1**
8	**E. Linul**, T. Voiconi, L. Marsavina	Determination of mixed mode fracture toughness of PUR foams	New Trends in Fatigue and Fracture – NT2F14 „Fatigue and fracture at all scales“	Belgrade, Serbia	September 15-18, 2014	**1**
9	**E. Linul**, T. Voiconi, L. Marsavina, T. Sadowski	Study of factors influencing the mechanical properties of polyurethane foams under dynamic compression	International Symposium on Dynamic Deformation and Fracture of Advanced Materials - D2FAM	Loughborough, UK	September 9-12, 2013	**1**
10	**E. Linul**, D.A. Serban, T. Voiconi, L. Marsavina, T. Sadowski	Energy-absorption and efficiency diagrams of rigid PUR foams	The 14th Symposium of Experimental Stress Analysis and Material Testing – ARTENS	Timişoara, Romania	May 23-25, 2013	**1**
11	T. Voiconi, **E. Linul**, L. Marsavina, T. Sadowski, M. Knec	Determination of flexural properties of rigid PUR foams using digital image correlation	The 5th International Conference on Advanced Materials and Structures	Timişoara, Romania	October 24-25 2013	**1**
12	**E. Linul**, L. Marsavina, D. Apostol, D. Constantinescu, T. Sadowski	Effect of density, loading rate, material orientation and temperature on dynamic compression behavior of rigid PUR foams	10th International Conference on Foam Materials & Technology (FOAMS 2012)	Barcelona, Spain	Sept. 12-13, 2012	**1**
13	**E. Linul**, L. Marsavina, T. Sadowski, M. Kneć	Size Effect on Fracture Toughness of Rigid Polyurethane Foams	The 4th International Conference on Advanced Materials and Structures – AMS'11	Timişoara, Romania	October 27-28, 2011	**1**
14	**E. Linul**, L. Marsavina, A. Cernescu	Assessment of sandwichbeamsusingfailure mode maps	16th International Conference on Composite Structures	Porto, Portugal	June 2011	**1**
15	**E. Linul**, L. Marsavina	Influence of geometrical parameters on fracture toughness for open cell foams	The 19th International Conference in Computer Methods in Mechanics	Warsaw, Poland	May 9-12, 2011	**1**
					TOTAL	**15**

Anexa A3.3 - Citări în publicații BDI									
Nr. crt	AUTORI	TITLU	REVISTA	ISSN	ANUL	Vol (Nr)	Pagina	Factor de impact ISI	Punctaj
1	**L. Marsavina, A. Cernescu, E. Linul, D. Scurtu, C. Chirita**	**Experimental determination and comparison of some mechanical properties of commercial polymers**	**Materiale Plastice**	**0025-5289**	**2010**	**47(1)**	**85-89**	**1.571**	
1.1	Caplescu C, Marsavina L, Bordeasu I, Sechei RM	The Fracture of Polyurethane Materials in the Presence of Stress Concentrators	Materiale Plastice	0025-5289	2010	47(3)	379-382	0.593	1.593
1.2	Maries, G.R.E.	Thermal analysis of some physico-mechanical properties of polypropylene (pp) used for manufacturing of performance sport items	Materiale Plastice	0025-5289	2010	47(4)	514-517	0.593	1.593
1.3	Voicu, R; Vintila, S; Vilag, V; Mihalache, R	CAD Modelling: Light Weight Composite Centrifugal Rotor Manufacturing for Energy Efficiency	Materiale Plastice	0025-5289	2016	53(4)	623-625	0.593	1.593
1.4	Maries, G.R.E., Chira, D.	Influence of processing temperatures of acrylonitrile Butadiene Styrene (ABS), polyamide 6.6 (PA 6.6) and Polyoxymethylene (POM) on some mechanical properties when injecting items used in the automotive industry based on mechanical resistance tests	Materiale Plastice	0025-5289	2012	49(4)	288-292	0.593	1.593
1.5	Chira, D; Maries, GRE	Influence of the Grind Percentage on Mechanical Properties of Some Polymers used in the Automotive Industry, by Determining Mechanical Resistances	Materiale Plastice	0025-5289	2012	49(3)	204-208	0.593	1.593
1.6	Amarandei, M., Berdich, K., Szigyarto, I., Marşavina, L.	NONDESTRUCTIVE EVALUATION. OF POLYURETHANE MATERIALS USING TRANSIENT THERMOGRAPHY	MODTECH 2012: NEW FACE OF T M C R,	2069-6736	2012	1-2	21-24	0.000	1.000
1.7	Amarandei, M., Berdich, K., Szigyarto I, Kun, L., Marşavina, L.	Nondestructive evaluation of polyurethane materials using transient thermography	Key Engineering Materials	1662-9795	2012	525-526	21-24	0.000	1.000
1.8	Amarandei M., Virga A., Berdich K.N., Matteoli S., Corvi A., Marsavina L.	The Influence of Defects on the Mechanical Properties of some Polyurethane Materials	Materiale Plastice	0025-5289	2013	50(2)	84-87	0.593	1.593
1.9	Tokar, A. , Negoitescu, A., Adam, M., Tokar, D.	Research on mechanical strength of technological fluid storage tank made of polyester resin reinforced with fiberglass	Materiale Plastice	0025-5289	2014	51(4)	432-434	0.593	1.593
1.10	Maries, G.R.E.	Influence of the grind percentage on some mechanical properties of three types of polyamide 6.6 reinforced with different percentages of fiber glass, polymers used in different industries, by determining mechanical resistances	Materiale Plastice	0025-5289	2014	51(4)	410-413	0.593	1.593

1.11	Patrascu J.-M., Amarandei M., Kun K.-N., Kun L., Corvi A., Marsavina L., Faur N.	Compression and Bending Tests in order to Evaluate the Use of Necuron for the Manufacturing of Transtibial Prostheses	Materiale Plastice	0025-5289	2014	51(3)	263-266	0.593	1.593
1.12	A Bravo, L Toubal, D Koffi, F Erchiqui	Damage characterization of bio and green polyethylene–birch composites under creep and cyclic testing with multivariable acoustic emissions	Materials	1996-1944	2015	8(11)	7322-7341	3.623	4.623
1.13	Maries, G.R.E.	Processing Temperatures Influence of Three Types of Polyamide 6.6 Reinforced with Different Percentages of Fiber Glass on Some Mechanical Properties	Materiale Plastice	0025-5289	2015	52(1)	32-35	0.593	1.593
1.14	Maries, G.R.E., Chira, D., Bungau, C.	The Influence of Processing Temperatures of (HDPE), (PMMA), (PC plus ABS) on Some Mechanical Properties of Items Obtained Through Injection	Materiale Plastice	0025-5289	2015	52(4)	452-456	0.593	1.593
1.15	Chira, D., Maries, G.R.E., Bungau, C.	The Influence of Subsequent Pressure of (HDPE), (PMMA), (PC plus ABS) on Some Mechanical Properties of Items Obtained Through Injection	Materiale Plastice	0025-5289	2015	52(4)	572-577	0.593	1.593
1.16	Nedelcu, D., Cojocaru, V., Ghican, A., Peris-Bendu, F., Avasiloaie, R.	Considerations Regarding the Use of Polymers for the Rapid Prototyping of the Hydraulic Turbine Runners Designed for Experimental Research on the Model	Materiale Plastice	0025-5289	2015	52(4)	475-479	0.593	1.593
1.17	Maries, G.R.E., Chira, D., Novac, O., Sirghie, C., Chambre, D.R., Tomescu, D.	The Influence of the Processing Temperature by Injection and of Subsequent Pressure on Some Mechanical Properties of HDPE, PMMA, PC plus FABS, Through Methods of Determining the Flexural Properties	Materiale Plastice	0025-5289	2016	53(3)	458-464	0.593	1.593
1.18	A. JIVANESCU, D. HRELESCU MIHUTESCU, L. GOGUTA, L. D.PIRVULESCU	Comparative In Vitro Study of the Flexural Strength of Resin Provisional Fixed Partial Dentures, With and Without Glass Fiber Reinforcement	Materiale Plastice	0025-5289	2016	53(3)	481-484	0.593	1.593
1.19	Maries, G.R.E., Chira, D., Bungau, C., Costea, T., Moldovan, L.	Determining the Influence of the Processing Temperature by Injection and of the Subsequent Pressure on the Surface's Hardness and Indentation Modulus of the Products Made of HDPE, PMMA, PC plus ABS through Nanoindentation - G-Series Basic Hardness Modulus at a Depth Method	Materiale Plastice	0025-5289	2017	54(2)	214-220	0.593	1.593
1.20	Novac, O.C., Maries, G.R.E., Chira, D., Novac, M.	Studying the Influence of Temperatures, Used for Processing ABS, PA 6.6 and POM, on Certain Electrical Properties, when Injection Moulding Items for the Automotive Industry, by Methods Employed for Determining Relative Permittivity and the Dielectric Dissipation Factor	Materiale Plastice	0025-5289	2017	54(2)	274-280	0.593	1.593

1.21	Novac, O.C., Maries, G.R.E., Chira, D., Novac, M.	Study concerning the influence of the grinding percentage on some electrical properties of PA 6.6, POM and ABS by methods for determining relative permittivity and the dielectric dissipation factor	Materiale Plastice	0025-5289	2017	54(3)	453-460	0.593	1.593
1.22	Bravo, A., Toubal, L., Koffi, D., Erchiqui, F.	Gear fatigue life and thermomechanical behavior of novel green and bio-composite materials VS high-performance thermoplastics	Polymer Testing	0142-9418	2018	66	403-414	4.282	5.282
1.23	Maries, GRE; Bungau, C; Chira, D; Costea, T; Mosteanu, DE	Study on the Influence of the Grind Percentage Over the Surface Hardness and Modulus of Elasticity of Parts Made of ABS, P6.6 and POM through Nanoindentation	Materiale Plastice	0025-5289	2019	56(1)	65-70	0.593	1.593
1.24	Nedelcu, D; Cojocaru, V ; Micu, LM ; Florea, D; Hluscu, M	Using of Polymers for Rapid Prototyping of an Axial Microturbine Runner and Wicked Gates	Materiale Plastice	0025-5289	2019	56(2)	454-459	0.593	1.593
1.25	Feinberg, AM ; Davydovich, O; Lloyd, EM; Ivanoff, DG ; Shiang, B ; Sottos, NR; Moore, JS	Triggered Transience of Plastic Materials by a Single Electron Transfer Mechanism	ACS CENTRAL SCIENCE	2374-7943	2020	6(2)	266-273	14.553	15.553
1.26	Chen, FB ; Gao, F ; Zhong, J; Shen, L ; Lin, YJ	Fusion of biobased vinylogous urethane vitrimers with distinct mechanical properties	MATERIALS CHEMISTRY FRONTIERS	2052-1537	2020	4(9)	2723-2730	6.482	7.482
2	**E. Linul, L. Marsavina**	**Prediction of fracture toughness for open cell polyurethane foams by finite element micromechanical analysis**	**Iranian Polymer Journal**	**1026-1265**	**2011**	**20(9)**	**736-746**	**1.707**	
2.1	Marsavina, Liviu; Constantinescu, Dan M.	Failure and Damage in Cellular Materials	FAILURE AND DAMAGE ANALYSIS OF ADVANCED MATERIALS Book Series: CISM Courses and Lectures	0254-1971	2015	560	119-190	0.000	1.000
2.2	Andersons, J., Cābulis, U., Stiebra, L., Kirpļuks, M., Spārniņš, E.	Modeling the mode I fracture toughness of anisotropic low-density rigid PUR and PIR foams	International Journal of Fracture	0376-9429	2017	205(1)	111-118	2.374	3.374
2.3	Jelitto, H., Schneider, G.A.	A geometric model for the fracture toughness of porous materials	Acta Materialia	1359-6454	2018	151	443-453	8.203	9.203
3	**M. Birsan, T. Sadowski, L. Marsavina, E. Linul, D. Pietras**	**Mechanical behavior of sandwich composite beams made of foams and functionally graded materials**	**International Journal of Solids and Structures**	**0020-7683**	**2013**	**50**	**519-530**	**3.213**	
3.1	Bîrsan, M., Sadowski, T., Pietras, D.	Thermoelastic deformations of cylindrical multi-layered shells using a direct approach	Journal of Thermal Stresses	0149-5739	2013	36 (8)	749-789	3.280	4.280
3.2	Gajewski, J., Sadowski, T.	Sensitivity analysis of crack propagation in pavement bituminous layered structures using a hybrid system integrating Artificial Neural Networks and Finite Element Method	Computational Materials Science	0927-0256	2014	82	114-117	3.300	4.300
3.3	Ramezani, M., Neitzert, T.	Influence of humidity on creep response of sandwich beam with a viscoelastic soft core	Acta Mechanica	0001-5970	2014	225(1)	277-297	2.698	3.698

3.4	Azwan, S. , Abdi, B. , Yahya, M.Y. , Ayob, A.	Quasi-static flexural and indentation behavior of glass fiber reinforced polymer composite sandwich panel	Advanced Materials Research	1022-6680	2014	845	320-323	0.000	1.000
3.5	Sadowski, T., Bîrsan, M., Pietras, D.	Multilayered and FGM structural elements under mechanical and thermal loads. Part I: Comparison of finite elements and analytical models	Archives of Civil and Mechanical Engineering	1644-9665	2015	15 (4)	1180-1192	4.369	5.369
3.6	Sadowski, T., Marsavina, L., Craciun, E.-M.	On the problem of cracking in 2-phase ceramic matrix composite materials	Advanced Structured Materials	1869-8433	2016	60	367-378	0.000	1.000
3.7	Gajewski, J., Golewski, P., Sadowski, T.	Geometry optimization of a thin-walled element for an air structure using hybrid system integrating artificial neural network and finite element method	Composite Structures	0263-8223	2017	159	589-599	5.407	6.407
3.8	Baba, B.O.	Curved sandwich composites with layer-wise graded cores under impact loads	Composite Structures	0263-8223	2017	159	1-11	5.407	6.407
3.9	Abramovich, H.	Introduction to composite materials	Stability and Vibrations of Thin-Walled Composite Structures	978-008100429-6; 978-008100410-4	2017	DOI: 10.1016/B978-0-08-100410-4.00001-6	1-47	0.000	1.000
3.10	Zou, G., Dergachova, N.	Stress analysis of functional gradient strip due to transient thermal heat	ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik	0044-2267	2018	98(1)	134-146	1.603	2.603
3.11	Sadowski, T., Craciun, E., Marsavina, L.	Brittle behavior of ceramic matrix composites made of 2 different phases	AIP Conference Proceedings	0094-243X	2018	1932	30036	0.000	1.000
3.12	Postek, E., Sadowski, T.	Dynamic pulse sensitivity of WC/Co composite	Composite Structures	0263-8223	2018	203	498-512	5.407	6.407
3.13	Weeger, O., Yeung, S.-K., Dunn, M.L.	Fully isogeometric modeling and analysis of nonlinear 3D beams with spatially varying geometric and material parameters	Computer Methods in Applied Mechanics and Engineering	0045-7825	2018	342	95-115	6.756	7.756
3.14	Golewski, P.; Sadowski, T.	NUMERICAL AND LABORATORY TESTS OF ALUMINUM PROFILE CONNECTION USING THE "POPULAR LOCK"	ARCHIVES OF METALLURGY AND MATERIALS	1733-3490	2019	64(1)	339-346	0.767	1.767
3.15	Sadowski, T.; Nowicki, M.; Golewski, P.	THE INFLUENCE OF THE USE OF FASTENERS WITH DIFFERENT STIFFNESS IN HYBRID JOINTS SUBJECTED TO COMPLEX MECHANICAL LOADS	ARCHIVES OF METALLURGY AND MATERIALS	1733-3490	2019	64(4)	1263-1268	0.767	1.767
3.16	Sadowski, T.; Nowicki, M.	Damage of thin-walled box beams with omega cross-section joined by adhesive layers subjected to bending deformation process	IOP Conference Series-Materials Science and Engineering	1757-8981	2019	613	12052	0.000	1.000
3.17	Kim, Yun Young	An evaluation technique for high-frequency dynamic behavior of a sandwich microcantilever beam	JOURNAL OF SANDWICH STRUCTURES & MATERIALS	1099-6362	2019	21(3)	1133-1149	5.497	6.497
3.18	Postek, Eligiusz; Sadowski, Tomasz	Impact model of WC/Co composite	Composite Structures	0263-8223	2019	213	231-242	5.407	6.407

3.19	Pietras, Daniel; Sadowski, Tomasz	A numerical model for description of mechanical behaviour of a Functionally Graded Autoclaved Aerated Concrete created on the basis of experimental results for homogenous Autoclaved Aerated Concretes with different porosities	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2019	204	839-848	6.141	7.141
3.20	Golewski, Przemyslaw; Sadowski, Tomasz	The Influence of TBC Aging on Crack Propagation Due to Foreign Object Impact	Materials	1996-1944	2019	12(9)	1488	3.623	4.623
3.21	Postek, Eligiusz; Sadowski, Tomasz	Temperature Effects during Impact Testing of a Two-Phase Metal-Ceramic Composite Material	Materials	1996-1944	2019	12(10)	1629	3.623	4.623
3.22	Burlayenko, V. N.; Pietras, D.; Sadowski, T.	Influence of geometry, elasticity properties and boundary conditions on the Mode I purity in sandwich composites	Composite Structures	0263-8223	2019	223	110942	5.407	6.407
3.23	Tian, WL; Fu, MW] ; Qi, LH ; Chao, XJ ; Liang, JH	Interphase model for FE prediction of the effective thermal conductivity of the composites with imperfect interfaces	INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER	0017-9310	2019	145	118796	5.584	6.584
3.24	Golewski, P.; Sadowski, T.	Description of thermal protection against heat transfer of carbon fiber reinforced plastics (CFRP) coated by stiffened ceramic mat (TBC)	Composite Structures	0263-8223	2019	229	111489	5.407	6.407
3.25	Margaretta, DO; Amalia, N ; Utami, FD ; Viridi, S ; Abdullah, M	Second-order phase transition and universality of self-buckled elastic slender columns	JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE	1658-3655	2019	13(1)	1128-1136	2.688	3.688
3.26	Golewski, Przemyslaw; Rusinek, Alexis; Sadowski, Tomasz	Material Characterization of PMC/TBC Composite Under High Strain Rates and Elevated Temperatures	Materials	1996-1944	2020	13(1)	167	3.623	4.623
3.27	Postek, E.; Sadowski, T.	HIGH-VELOCITY IMPACT OF 2-PHASE WC/Co COMPOSITE PLATE - BEGINNING OF THE PROCESS	ARCHIVES OF METALLURGY AND MATERIALS	1733-3490	2020	65(1)	265-274	0.767	1.767
3.28	Postek, Eligiusz; Sadowski, Tomasz	Thermomechanical effects during impact testing of WC/Co composite material	Composite Structures	0263-8223	2020	241	112054	5.407	6.407
3.29	Pozorski, Zbigniew; Wojciechowski, Szymon	The Influence of Symmetrical Boundary Conditions on the Structural Behaviour of Sandwich Panels Subjected to Torsion	SYMMETRY-BASEL	2073-8994	2020	12(12)	2093	2.713	3.713
3.30	Pulok, Mohammad Khairul Habib; Rahman, M. Shafiqur; Akanda, Md. Abdus Salam	Numerical analyses of stress and deformation in sandwich-structured composites	JOURNAL OF STRAIN ANALYSIS FOR ENGINEERING DESIGN	0309-3247	2020	56(6)	339-358	1.541	2.541
3.31	Alphonse, Mathew; Raja, V. K. Bupesh; Krishna, V. Gopala; et al.	Mechanical behavior of sandwich structures with varying core material ? A review	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	44	3751-3759	0.000	1.000

3.32	Sadowski, T.; Pietras, D.	Estimation of mechanical response of 2-phase oxide ceramic composites under high strain rate	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	45	4286-4291	0.000	1.000
3.33	Golewski, Przemyslaw; Sadowski, Tomasz; Rusinek, Alexis	The SHPB tests for GFRP composites subjected to three levels of strain rates	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	45	4275-4279	0.000	1.000
3.34	Postek, E.; Sadowski, T.; Boniecki, M.	Impact of brittle composites: Peridynamics modelling	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	45	4268-4274	0.000	1.000
3.35	Golewski, Przemyslaw; Sadowski, Tomasz; Pietras, Daniel; et al.	The influence of aging in salt chamber on strength of aluminum-CFRP single lap joints	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	45	4264-4267	0.000	1.000
3.36	Sadowski, Tomasz; Losiewicz, Kamil; Boniecki, Marek; et al.	Assessment of mechanical properties by nano- and microindentation of alumina/zirconia composites	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	45	4196-4201	0.000	1.000
3.37	Liu, Jun; Hao, Congkuan; Ye, Wenbin; et al.	Application of a new semi-analytic method in bending behavior of functionally graded material sandwich beams	MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES	1539-7734	2021	194	106218	2.286	3.286
3.38	Salem, Talal; Jiao, Pengcheng; Zaabar, Imen; et al.	Functionally Graded Materials Beams Subjected to Bilateral Constraints: Structural Instability and Material Topology	INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES	0020-7403	2021	194	106218	5.329	6.329
3.39	Birsan, Mircea; Pietras, Daniel; Sadowski, Tomasz	Determination of effective stiffness properties of multilayered composite beams	CONTINUUM MECHANICS AND THERMODYNAMICS	0935-1175	2021	33(4)	1781-1803	3.822	4.822
3.40	Postek, Eligiusz; Sadowski, Tomasz	Impact model of the Al2O3/ZrO2 composite by peridynamics	Composite Structures	0263-8223	2021	271	114071	5.407	6.407
3.41	rinh, Minh-Chien; Kim, Seung-Eock	Deterministic and stochastic thermomechanical nonlinear dynamic responses of functionally graded sandwich plates	Composite Structures	0263-8223	2021	274	114359	5.407	6.407
4	**L. Marsavina, E. Linul, T. Voiconi, T. Sadowski**	**A comparison between dynamic and static fracture toughness of polyurethane foams**	**Polymer Testing**	**0142-9418**	**2013**	**32**	**673-680**	**3.275**	
4.1	J. Aboudi, M. Ryvkin	Dynamic overshooting in 2D periodic materials with square voids caused by sudden flaw appearance	International Journal of Solids and Structures	0020-7683	2014	51(13)	2345-2359	3.900	4.900
4.2	Yan, R., Wang, R., Lou, C.-W., Lin, J.-H.	Comparison of tensile and compressive characteristics of intra/interply hybrid laminates reinforced high-density flexible foam composites	Journal of Applied Polymer Science	0021-8995	2015	132 (6)	41438	3.125	4.125
4.3	Shin, B.Y., Kim, J.	Controlled remodeling of hydrogel networks and subsequent crosslinking: A strategy for preparation of alginate hydrogels with ultrahigh density and enhanced mechanical properties	Macromolecular Chemistry and Physics	022-1352	2015	216 (8)	914-921	2.527	3.527
4.4	Koohbor, B., Mallon, S., Kidane, A., Lu, W.-Y.	The deformation and failure response of closed-cell PMDI foams subjected to dynamic impact loading	Polymer Testing	0142-9418	2015	44	112-124	4.282	5.282

4.5	Salavati, H., Alizadeh, Y., Berto, F.	Fracture Assessment of Notched Bainitic Functionally Graded Steels under Mixed Mode (I + II) Loading	Physical Mesomechanics	1029-9599	2015	18 (4)	307-325	1.850	2.850
4.6	Yan, Ruosi; Wang, Rui; Lou, Ching-Wen; et al.	Quasi-static and dynamic mechanical responses of hybrid laminated composites based on high-density flexible polyurethane foam	COMPOSITES PART B-ENGINEERING	359-8368	2015	83	253-263	9.078	10.078
4.7	Boldiš, M., Gašparík, M., Gaff, M., Ruman, D.	Compression set of PU foam mattresses with self-clamping joints and sandwich structure	Wood Research	1336-4561	2016	61 (6)	1003-1015	1.139	2.139
4.8	Gren, K; Szatkowski, P; Chlopek, J	CHARACTERISTICS OF FAILURE MECHANISMS AND SHEAR STRENGTH OF SANDWICH COMPOSITES	Composites Theory and Practice	2084-6096	2016	16(4)	255-259	0.000	1.000
4.9	Şerban, D.-A., Weissenborn, O., Geller, S., Marşavina, L., Gude, M.	Evaluation of the mechanical and morphological properties of long fibre reinforced polyurethane rigid foams	Polymer Testing	0142-9418	2016	49	121-127	4.282	5.282
4.10	Ryvkin, M., Aboudi, J.	Transient problem for semi-infinite crack in periodically voided materials	Engineering Fracture Mechanics	0013-7944	2016	162	218-231	4.406	5.406
4.11	Chandra, S., Sharma, S., Ali, H., Mane, J.V., Naik, Y.P., Chavan, V., Manjunath, B.S., Patel, R.J.	Effect of γ irradiation on the impact response of rigid polyurethane foam	Journal of Polymer Engineering	0334-6447	2016	36 (8)	829-835	1.367	2.367
4.12	Sadowski, T., Golewski, P.	Modelling and experimental testing of hybrid joints made of: Aluminium adherends, adhesive layers and rivets for aerospace applications	Archives of Metallurgy and Materials	1733-3490	2017	62 (3)	1577-1583	0.767	1.767
4.13	Pietras, D., Sadowski, T.	Parametric study of geometry effect on response to applied loadings of metallic honeycomb structures by virtual testing of mesoscale models	Archives of Metallurgy and Materials	1733-3490	2018	63(2)	953-961	0.767	1.767
4.14	Sadowski, T., Craciun, E., Marsavina, L.	Brittle behavior of ceramic matrix composites made of 2 different phases	AIP Conference Proceedings	0094-243X	2018	1932	30036	0.000	1.000
4.15	Al-Refaie, A., Aldwairi, R., Chen, T.	Optimizing performance of rigid polyurethane foam using FGP models	Journal of Ambient Intelligence and Humanized Computing	1868-5137	2018	9(2)	351-366	7.104	8.104
4.16	Tian, H., Yao, Y., Zhang, S., Wang, Y., Xiang, A.	Enhanced thermal stability and flame resistance of rigid polyurethane-imide foams by varying copolymer composition	Polymer Testing	0142-9418	2018	67	68-74	4.282	5.282
4.17	Postek, E., Sadowski, T.	Distributed microcracking process of WC/Co cermet under dynamic impulse compressive loading	Composite Structures	0263-8223	2018	194	494-508	5.407	6.407
4.18	S Chen, P Isaksson	An experimental analysis of the defect sensitivity of solid foams	Theoretical and Applied Fracture Mechanics	0167-8442	2018	96	768-774	4.017	5.017
4.19	Tan, L., Jones, J.A., Barnett, A.C., Zhang, H., Moore, J.Z., Zhang, Q.	Force Model for Ultrasonic Needle Insertion	Experimental Techniques	0732-8818	2018	42(5)	499-508	1.167	2.167

4.20	Mao, H., He, B., Guo, W., Hua, L., Yang, Q.	Effects of Nano-CaCO3 content on the crystallization, mechanical properties, and cell structure of PP nanocomposites in microcellular injection molding	Polymers	2073-4360	2018	10(10)	1160	4.329	5.329
4.21	Wang, H., Li, T.-T., Wu, L., Lou, C.-W., Lin, J.-H.	Multifunctional, polyurethane-based foam composites reinforced by a fabric structure: Preparation, mechanical, acoustic, and EMI shielding properties	Materials	1996-1944	2018	11(11)	2085	3.623	4.623
4.22	Tan, C.J., Andriyana, A., Ang, B.C., Chagnon, G.	Inelastic deformation of highly aligned dry-spun thermoplastic polyurethane elastomer microfibres	Materials Research Express	2053-1591	2018	5(12)	125301	1.620	2.620
4.23	Collins, C.J., Boyer, M., Crenshaw, T.D., Ploeg, H.-L.	Design of a surrogate for evaluation of methods to predict bone bending stiffness	Journal of the Mechanical Behavior of Biomedical Materials	1751-6161	2018	88	346-351	3.902	4.902
4.24	Li, Ting-Ting; Ling, Lei; Wang, Xiaoxiao; et al.	Mechanical, acoustic, and thermal performances of shear thickening fluid-filled rigid polyurethane foam composites: Effects of content of shear thickening fluid and particle size of silica	JOURNAL OF APPLIED POLYMER SCIENCE	0021-8995	2019	136(18)	47359	3.125	4.125
4.25	Zhu, Yuxuan; Luo, Guoqiang; Zhang, Ruizhi; et al.	Investigation of the Constitutive Model of W/PMMA Composite Microcellular Foams	POLYMERS	2073-4360	2019	11(7)	1136	4.329	5.329
4.26	Yeo, Seon Ju; Oh, Min Jun; Yoo, Pil J.	Structurally Controlled Cellular Architectures for High-Performance Ultra-Lightweight Materials	ADVANCED MATERIALS	0935-9648	2019	31(34)	1803670	30.849	31.849
4.27	Arab, Ali; Sktani, Zhwan Dilshad Ibrahim; Zhou, Qiang; et al.	Effect of MgO Addition on the Mechanical and Dynamic Properties of Zirconia Toughened Alumina (ZTA) Ceramics	Materials	1996-1944	2019	12(15)	2440	3.623	4.623
4.28	Soltaninezhad, S.; Salavati, H.; Goharrizi, A. Soltani	Ductile fracture assessment of high-density polyethylene (HDPE-PE100) weakened by an inclined double keyhole notch	THEORETICAL AND APPLIED FRACTURE MECHANICS	0167-8442	2019	104	102349	4.017	5.017
4.29	Doyle, Lucia; Weidlich, Ingo; Illguth, Marcus	Anisotropy in Polyurethane Pre-Insulated Pipes	POLYMERS	2073-4360	2019	11(12)	2074	4.329	5.329
4.30	Andami, Hosein; Toopchi-Nezhad, Hamid	Performance assessment of rigid polyurethane foam core sandwich panels under blast loading	INTERNATIONAL JOURNAL OF PROTECTIVE STRUCTURES	2041-4196	2020	11(1)	109-130	0.000	1.000
4.31	Lei, Zhen; Zhao, Mingsheng	Experimental Study on the Dynamic Behavior of Running Crack Affected by Defect Shape and Filling Material	SHOCK AND VIBRATION	1070-9622	2020	2020	8495058	1.543	2.543
4.32	Oh, Jung-Hwan; Kim, Ji-Seok; Van Hiep Nguyen; et al.	Auxetic graphene oxide-porous foam for acoustic wave and shock energy dissipation	COMPOSITES PART B-ENGINEERING	1359-8368	2020	186	107817	9.078	10.078
4.33	Wang, Yonghui; Zhang, Boyi; Lu, Jingyi; et al.	Quasi-static crushing behaviour of the energy absorbing connector with polyurethane foam and multiple pleated plates	ENGINEERING STRUCTURES	0141-0296	2020	211	110404	4.471	5.471
4.34	Taghavimehr, Mehrnoosh; Famili, Mohammad Hossein Navid; Shirsavar, Mehran Abbasi	Effect of nanoparticle network formation on electromagnetic properties and cell morphology of microcellular polymer nanocomposite foams	POLYMER TESTING	0142-9418	2020	86	106469	4.282	5.282

4.35	Jelitto, H.; Schneider, G. A.	Extended cubic fracture model for porous materials and the dependence of the fracture toughness on the pore size	Materialia	2589-1529	2020	12	100761	0.000	1.000
4.36	Doyle, Lucia; Weidlich, Ingo	Effects of thermal and mechanical cyclic loads on polyurethane pre-insulated pipes	FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES	8756-758X	2020	44(1)	156-168	3.459	4.459
4.37	Tomin, Marton; Kmetty, Akos	Evaluating the cell structure-impact damping relation of cross-linked polyethylene foams by falling weight impact tests	JOURNAL OF APPLIED POLYMER SCIENCE	0021-8995	2021	138(11)	e49999	3.125	4.125
4.38	Zhou, Wu; Huang, Jinxin; Huang, Wei; et al.	Dynamic fracture testing of polymethyl-methacrylate (PMMA) single-edge notched beam	POLYMER TESTING	0142-9418	2020	91	106833	4.282	5.282
4.39	Alizadeh, Y.; Salavati, H.; Mohammadi, H.	Fracture Assessment of Notched Severely Plastic Deformed 7075 Al Alloy under Mode I Loading	PHYSICAL MESOMECHANICS	1029-9599	2020	23(6)	584-592	1.850	2.850
4.40	Miralbes, R.; Ranz, D.; Pascual, F. J.; et al.	Characterization of additively manufactured triply periodic minimal surface structures under compressive loading	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2020	DOI: 10.1080/15376494.2020.1842948	DOI: 10.1080/15376494.2020.1842948	4.030	5.030
4.41	Pietras, D.; Aliha, MRM.; Sadowski, T.	Mode III fracture toughness testing and numerical modeling for aerated autoclaved concrete using notch cylinder specimen subjected to torsion	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	45	4326-4329	0.000	1.000
4.42	Chen, Guoliang; Liu, Jian; Zhang, Wei; et al.	Lignin-Based Phenolic Foam Reinforced by Poplar Fiber and Isocyanate-Terminated Polyurethane Prepolymer	POLYMERS	2073-4360	2021	13(7)	1068	4.329	5.329
4.43	Ejegu, Hermela; Kumar, Bipin; Gupta, Priyanka	Behavior of Elastic Therapeutic Tapes under Dynamic and Static Conditions	ADVANCES IN MATERIALS SCIENCE AND ENGINEERING	1687-8434	2021	2021	6671712	1.726	2.726
4.44	Bhagavathula, K. B.; Meredith, C. S.; Ouellet, S.; et al.	Density, Microstructure, and Strain-Rate Effects on the Compressive Response of Polyurethane Foams	EXPERIMENTAL MECHANICS	0014-4851	2021	DOI: 10.1007/s11340-021-00772-z	DOI: 10.1007/s11340-021-00772-z	2.808	3.808
5	**L. Marsavina, D.M. Constantinescu, E. Linul, D.A. Apostol, T. Voiconi, T. Sadowski**	**Refinements on fracture toughness of PUR foams**	**Engineering Fracture Mechanics**	**0013-7944**	**2014**	**129**	**54-66**	3.426	
5.1	Berto, F., Campagnolo, A.	Three-dimensional cracked discs under anti-plane loading and effects of the boundary conditions A review of recent developments	International Journal of Structural Integrity	1757-9864	2015	6 (4)	541-564	0	1.000

5.2	arsavina, Liviu; Constantinescu, Dan M.	Failure and Damage in Cellular Materials	FAILURE AND DAMAGE ANALYSIS OF ADVANCED MATERIALS Book Series: CISM Courses and Lectures	0254-1971	2015	560	119-190	0	1.000
5.3	Campagnolo, A.; Berto, F.; Lazzarin, P.	The effects of different boundary conditions on three-dimensional cracked discs under anti-plane loading	EUROPEAN JOURNAL OF MECHANICS A-SOLIDS	0997-7538	2015	50	76-86	4.22	5.220
5.4	Andersons, J., Kirpluks, M., Stiebra, L., Cabulis, U.	The effect of a circular hole on the tensile strength of neat and filled rigid PUR foams	Theoretical and Applied Fracture Mechanics	0167-8442	2015	78	8-14	4.017	5.017
5.5	Negru, R., Marsavina, L., Filipescu, H., Căplescu, C., Voiconi, T.	Assessment of brittle fracture for PUR materials using local strain energy density and theory of critical distances	Theoretical and Applied Fracture Mechanics	0167-8442	2015	79	62-69	4.017	5.017
5.6	A. Piccotin, L. Marsavina, F. Berto, R. Negru	Fracture parameters determination of polyurethane materials for application of SED criteria to notched components	Procedia Structural Integrity	2452-3216	2016	2	1861-1869	0	1.000
5.7	Boldiš, M., Gašparík, M., Gaff, M., Ruman, D.	Compression set of PU foam mattresses with self-clamping joints and sandwich structure	Wood Research	1336-4561	2016	61 (6)	1003-1015	1.139	2.139
5.8	Chandra, S., Sharma, S., Ali, H., Mane, J.V., Naik, Y.P., Chavan, V., Manjunath, B.S., Patel, R.J.	Effect of γ irradiation on the impact response of rigid polyurethane foam	Journal of Polymer Engineering	0334-6447	2016	36 (8)	829-835	1.367	2.367
5.9	F. Berto, L. Marsavina, S.M.J. Razavi, M.R. Ayatollahi	On the fracture behavior of polyurethane notched components	Procedia Structural Integrity	2452-3216	2017	3	144-152	0.000	1.000
5.10	Dehghany, M., Saeidi Googarchin, H., Aliha, M.R.M.	The role of first non-singular stress terms in mixed mode brittle fracture of V-notched components: an experimental study	Fatigue and Fracture of Engineering Materials and Structures	8756-758X	2017	40(4)	623-641	3.459	4.459
5.11	M. Peron, S.M.J. Razavi, F. Berto, J. Torgersen, L. Marsavina	Local strain energy density for the fracture assessment of polyurethane specimens weakened by notches of different shape	FRATTURA ED INTEGRITA STRUTTURALE	1971-8993	2017	42	214-222	0	1.000
5.12	Golewski, G.L.	Improvement of fracture toughness of green concrete as a result of addition of coal fly ash. Characterization of fly ash microstructure	Materials Characterization	1044-5803	2017	134	335-346	4.342	5.342
5.13	Pietras, D., Sadowski, T.	Parametric study of geometry effect on response to applied loadings of metallic honeycomb structures by virtual testing of mesoscale models	Archives of Metallurgy and Materials	1733-3490	2018	63(2)	953-961	0.767	1.767
5.14	Marsavina, Liviu; Pop, Octavian; Pepelan, Raluca	Mark tracking technique for experimental determination of fracture parameters	Procedia Structural Integrity	2452-3216	2018	13	1867-1872	0	1.000
5.15	Negru, R., Serban, D.A., Pop, C., Marsavina, L.	Notch effect assessment in a PUR material using a ring shaped specimen	Theoretical and Applied Fracture Mechanics	0167-8442	2018	97	500-506	4.017	5.017

5.16	Pascual, B.S., Vallejos, S., Ramos, C., Sanz, M.T., Ruiz, J.A.R., García, F.C., García, J.M.	Sensory polymeric foams as a tool for improving sensing performance of sensory polymers	Sensors (Switzerland)	1424-8220	2018	18(12)	4378	3.576	4.576
5.17	Funari, M.F., Greco, F., Lonetti, P., Spadea, S.	A numerical model based on ALE formulation to predict crack propagation in sandwich structures	FRATTURA ED INTEGRITA STRUTTURALE	1971-8993	2018	13(47)	277-293	0	1.000
5.18	Golewski, P.; Sadowski, T.	NUMERICAL AND LABORATORY TESTS OF ALUMINUM PROFILE CONNECTION USING THE "POPULAR LOCK"	ARCHIVES OF METALLURGY AND MATERIALS	1733-3490	2019	64(1)	339-346	0.767	1.767
5.19	Golewski, P.; Sadowski, T.	APPLICATION OF THERMO-BIMATERIAL EFFECT IN DESIGNING OF SNAP-FIT JOINTS	ARCHIVES OF METALLURGY AND MATERIALS	1733-3490	2019	64(3)	1095-+	0.767	1.767
5.20	Sadowski, T.; Nowicki, M.	Damage of thin-walled box beams with omega cross-section joined by adhesive layers subjected to bending deformation process	IOP Conference Series-Materials Science and Engineering	1757-8981	2019	613	12052	0	1.000
5.21	Postek, Eligiusz; Sadowski, Tomasz	Impact model of WC/Co composite	Composite Structures	0263-8223	2019	213	231-242	5.407	6.407
5.22	Hou, Cheng; Jin, Xiaochao; Fan, Xueling; et al.	A generalized maximum energy release rate criterion for mixed mode fracture analysis of brittle and quasi-brittle materials	Theoretical and Applied Fracture Mechanics	0167-8442	2019	100	78-85	4.017	5.017
5.23	Golewski, Przemyslaw; Sadowski, Tomasz	The Influence of TBC Aging on Crack Propagation Due to Foreign Object Impact	MATERIALS	1996-1944	2019	12(9)	1488	3.623	4.623
5.24	Postek, Eligiusz; Sadowski, Tomasz	Temperature Effects during Impact Testing of a Two-Phase Metal-Ceramic Composite Material	MATERIALS	1996-1944	2019	12(10)	1629	3.623	4.623
5.25	Zuo, Jian-Ping; Li, Yu-Lin; Liu, Cunhui; et al.	Meso-fracture mechanism and its fracture toughness analysis of Longmaxi shale including different angles by means of M-SENB tests	ENGINEERING FRACTURE MECHANICS	0013-7944	2019	215	178-192	4.406	5.406
5.26	Zhu, Yuxuan; Luo, Guoqiang; Zhang, Ruizhi; et al.	Investigation of the Constitutive Model of W/PMMA Composite Microcellular Foams	POLYMERS	2073-4360	2019	11(7)	1136	4.329	5.329
5.27	Aliha, M. R. M.; Ghazi, Hussein; Ataei, Farkhondeh	Experimental fracture resistance study for cracked bovine femur bone samples	FRATTURA ED INTEGRITA STRUTTURALE	1971-8993	2019	50	602-612	0	1.000
5.28	Doyle, Lucia; Weidlich, Ingo; Illguth, Marcus	Anisotropy in Polyurethane Pre-Insulated Pipes	POLYMERS	2073-4360	2019	11(12)	2074	4.329	5.329
5.29	Xu, Zhenpeng; Ha, Chan Soo; Kadam, Ruthvik; et al.	Additive manufacturing of two-phase lightweight, stiff and high damping carbon fiber reinforced polymer microlattices	ADDITIVE MANUFACTURING	2214-8604	2020	32	101106	10.998	11.998
5.30	Du, Bin; Liu, Qian; Shi, Yu; et al.	The Effect of Fe(3)O(4)Nanoparticle Size on Electrical Properties of Nanofluid Impregnated Paper and Trapping Analysis	MOLECULES	1420-3049	2020	25(16)	3566	4.412	5.412

5.31	Doyle, Lucia; Weidlich, Ingo	Effects of thermal and mechanical cyclic loads on polyurethane pre-insulated pipes	FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES	8756-758X	2021	44(1)	156-168	3.459	4.459
5.32	Pietras, D.; Aliha, MRM.; Sadowski, T.	Mode III fracture toughness testing and numerical modeling for aerated autoclaved concrete using notch cylinder specimen subjected to torsion	MATERIALS TODAY-PROCEEDINGS	2214-7853	2020	45	4326-4329	0.000	1.000
5.33	Chen, Guoliang; Liu, Jian; Zhang, Wei; et al.	Lignin-Based Phenolic Foam Reinforced by Poplar Fiber and Isocyanate-Terminated Polyurethane Prepolymer	POLYMERS	2073-4360	2021	13(7)	1068	4.329	5.329
5.34	Funari, Marco Francesco; Spadea, Saverio; Lonetti, Paolo; et al.	On the elastic and mixed-mode fracture properties of PVC foam	Theoretical and Applied Fracture Mechanics	0167-8442	2021	112	102924	4.017	5.017
5.35	Wang, Wei; Zhao, Yixin; Sun, Zhuang; et al.	Effects of bedding planes on the fracture characteristics of coal under dynamic loading	ENGINEERING FRACTURE MECHANICS	0013-7944	2021	250	107761	4.406	5.406
5.36	Saed, Seyed Ataollah; Karimi, Hamid Reza; Rad, Sina Mousavi; et al.	Full range I/II fracture behavior of asphalt mixtures containing RAP and rejuvenating agent using two different 3-point bend type configurations	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2021	314	125590	6.141	7.141
6	**D.A. Șerban, E. Linul, T. Voiconi, L. Marsavina, N. Modler**	**Numerical evaluation of two-dimensional micromechanical structures of anisotropic cellular materials: case study for polyurethane rigid foams**	**Iranian Polymer Journal**	**1026-1265**	**2015**	**24**	**515-529**	**1.707**	
6.1	Kausar, Ayesha	Physical properties and shape memory behavior of thermoplastic polyurethane/poly(ethylene-alt-maleic anhydride) blends and graphene nanoplatelet composite	Iranian Polymer Journal	1026-1265	2016	25(11)	945-955	1.899	2.899
6.2	Serban, Dan-Andrei; Negru, Radu; Filipescu, Hannelore; et al.	Investigations on the influence of the triaxial state of stress on the failure of polyurethane rigid foams	CONTINUUM MECHANICS AND THERMODYNAMICS	0935-1175	2020	DOI: 10.1007/s00161-020-00924-x	DOI: 10.1007/s00161-020-00924-x	3.822	4.822
6.3	Serban, Dan Andrei; Negru, Radu; Sarandan, Sorin; et al.	Numerical and experimental investigations on the mechanical properties of cellular structures with open Kelvin cells	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2021	28(13)	1367-1376	4.03	5.030
7	**L. Marsavina, E. Linul, T. Voiconi, D. M. Constantinescu, D. A. Apostol**	**On the crack path under mixed mode loading on PUR foams**	**FRATTURA ED INTEGRITA STRUTTURALE**	**1971-8993**	**2015**	**34**	**387-396**	**0**	
7.1	Funari, M.F., Greco, F., Lonetti, P., Spadea, S.	A numerical model based on ALE formulation to predict crack propagation in sandwich structures	FRATTURA ED INTEGRITA STRUTTURALE	1971-8993	2019	13(47)	277-293	0	1.000
7.2	Razavi, Seyed Mohammad Javad; Berto, Filippo	A new fixture for fracture tests under mixed mode I/II/III loading	FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES	8756-758X	2019	42(9)	1874-1888	3.459	4.459

8	**E. Linul and L. Marsavina**	**Assesment of sandwich beams with rigid polyurethane foam core using failure-mode maps**	**Proceedings of the Romanian Academy – Series A**	**1454-9069**	**2015**	**16(4)**	**522-530**	**1.294**	
8.1	Gaidukova, G., Ivdre, A., Fridrihsone, A., Verovkins, A., Cabulis, U., Gaidukovs, S.	Polyurethane rigid foams obtained from polyols containing bio-based and recycled components and functional additives	Industrial Crops and Products	0926-6690	2017	102	133-143	5.645	6.645
8.2	Mirițoiu, C.M., Burada, C.O., Stănescu, M.M., Bolcu, A.	Dynamic and static behaviour of composite sandwich platbands with kevlar honeycomb core | [Comportamentul dinamic şi static al platbandelor compozite sandwich cu miez din fagure de kevlar]	Revista Romana de Materiale/ Romanian Journal of Materials	1583-3186	2018	48(1)	101-107	0.563	1.563
8.3	Aslan, M; Guler, O; Alver, U	The investigation of the mechanical properties of sandwich panel composites with different surface and core materials	Pamukkale University Journal of Engineering Sciences-Pamukkale Universitesi Muhendislik Bilimleri Dergisi	1300-7009	2018	24(6)	1062-1068	0.000	1.000
8.4	Członka, S., Bertino, M.F., Strzelec, K.	Rigid polyurethane foams reinforced with industrial potato protein	Polymer Testing	0142-9418	2018	68	135-145	4.282	5.282
8.5	Członka, S., Bertino, M.F., Strzelec, K., Strąkowska, A., Masłowski, M.	Rigid polyurethane foams reinforced with solid waste generated in leather industry	Polymer Testing	0142-9418	2018	69	225-237	4.282	5.282
8.6	Mao, H., He, B., Guo, W., Hua, L., Yang, Q.	Effects of Nano-CaCO3 content on the crystallization, mechanical properties, and cell structure of PP nanocomposites in microcellular injection molding	Polymers	2073-4360	2018	10(10)	1160	4.329	5.329
8.7	Margaretta, DO; Amalia, N ; Utami, FD ; Viridi, S ; Abdullah, M	Second-order phase transition and universality of self-buckled elastic slender columns	JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE	1658-3655	2019	13(1)	1128-1136	2.688	3.688
8.8	Fernandes, Fabio A. O.; Pereira, Antonio B.; Guimaraes, Bernardo; et al.	Laser Welding of Transmitting High-Performance Engineering Thermoplastics	Polymers	2073-4360	2019	12(2)	402	4.329	5.329
8.9	Li, Zhigang; Wei, Xinpei; Gao, Zhipeng; et al.	Manufacturing and mechanical characterisation of polyurethane resin based sandwich composites for three-dimensional fabric reinforcement	MATERIALS TODAY COMMUNICATIONS	2352-4928	2020	24	101046	3.383	4.383
8.10	Zeng, Xiaoyan; Tang, Ting; An, Jiaxuan; et al.	Integrated preparation and properties of polyurethane-based sandwich structure composites with foamed core layer	POLYMER COMPOSITES	0272-8397	2021	42(9)	4549-4559	3.171	4.171
9	**L. Marsavina, D.M. Constantinescu, E. Linul, T. Voiconi,D.A. Apostol**	**Shear and mode II fracture of PUR foams**	**Engineering Failure Analysis**	**1350-6307**	**2015**	**28**	**465-476**	**2.897**	
9.1	Serrano, Angel; Borreguero, Ana M.; Garrido, Ignacio; et al.	The role of microstructure on the mechanical properties of polyurethane foams containing thermoregulating microcapsules	Polymer Testing	0142-9418	2017	60	274-282	4.282	5.282

9.2	Jamaaoui, Amine; Pop, Octavian; Dubois, Frederic; et al.	Wedge Splitting Test on Douglas genotypes using an integrated mixed-mode approach	Theoretical and Applied Fracture Mechanics	0167-8442	2017	91	44-51	4.017	5.017
9.3	Golewski, G.L.	Improvement of fracture toughness of green concrete as a result of addition of coal fly ash. Characterization of fly ash microstructure	Materials Characterization	1044-5803	2017	134	335-346	4.342	5.342
9.4	Marsavina, Liviu; Pop, Octavian; Pepelan, Raluca	Mark tracking technique for experimental determination of fracture parameters	Procedia Structural Integrity	2452-3216	2018	13	1867-1872	0	1.000
9.5	Long, S., Yao, X., Wang, H., Zhang, X.	Failure analysis and modeling of foam sandwich laminates under impact loading	Composite Structures	0263-8223	2018	197	10-20	5.407	6.407
9.6	Golewski, G.L.	Evaluation of morphology and size of cracks of the Interfacial Transition Zone (ITZ) in concrete containing fly ash (FA)	Journal of Hazardous Materials	0304-3894	2018	357	298-304	10.588	11.588
9.7	Negru, R., Serban, D.A., Pop, C., Marsavina, L.	Notch effect assessment in a PUR material using a ring shaped specimen	Theoretical and Applied Fracture Mechanics	0167-8442	2018	97	500-506	4.017	5.017
9.8	Pirmohammad, S., Hojjati Mengharpey, M.	A new mixed mode I/II fracture test specimen: Numerical and experimental studies	Theoretical and Applied Fracture Mechanics	0167-8442	2018	97	204-214	4.017	5.017
9.9	He, J., Xie, D., Xue, Q., Zhan, Y.	Seawater effects on static loads and interlayer cracking performance for polyvinyl chloride foam-cored sandwich composites	Advances in Mechanical Engineering	1687-8132	2018	10(11)	1687814018807342	1.316	2.316
9.10	Oskui, A.E., Soltani, N.	Characterization of elastic-plastic fracture toughness of AM60 Mg alloy under mixed-mode loading conditions	Engineering Fracture Mechanics	0013-7944	2018	204	388-403	4.406	5.406
9.11	Demirel, Samet; Ergun Tuna, Busra	Constant-Fatigue Performance of Different Polyurethane Foams for Sitting Purposes	KASTAMONU UNIVERSITY JOURNAL OF FORESTRY FACULTY	1303-2399	2019	19(2)	225-234	0	1.000
9.12	Golewski, Grzegorz Ludwik	A new principles for implementation and operation of foundations for machines: A review of recent advances	STRUCTURAL ENGINEERING AND MECHANICS	1225-4568	2019	71(3)	317-327	3.524	4.524
9.13	Ayatollahi, M. R.; Bahrami, B.; Mirzaei, A. M.; et al.	Effects of support friction on mode I stress intensity factor and fracture toughness in SENB testing	Theoretical and Applied Fracture Mechanics	0167-8442	2019	103	102288	4.017	5.017
9.14	Qiu, Dacheng; He, Yannan; Yu, Zhiqiang	Investigation on Compression Mechanical Properties of Rigid Polyurethane Foam Treated under Random Vibration Condition: An Experimental and Numerical Simulation Study	MATERIALS	1996-1944	2019	12(20)	3385	3.623	4.623
9.15	Doyle, Lucia; Weidlich, Ingo; Illguth, Marcus	Anisotropy in Polyurethane Pre-Insulated Pipes	POLYMERS	2073-4360	2019	11(12)	2074	4.329	5.329

9.16	Yoshihara, Hiroshi; Maruta, Makoto	Measurement of the Shear Properties of Extruded Polystyrene Foam by In-Plane Shear and Asymmetric Four-Point Bending Tests	POLYMERS	2073-4360	2020	12(1)	47	4.329	5.329
9.17	Wu, Liwei; Wang, Jing; Jiang, Qian; et al.	Low-velocity impact behavior of flexible sandwich composite with polyurethane grid sealing shear thickening fluid core	JOURNAL OF SANDWICH STRUCTURES & MATERIALS	1099-6362	2020	22(4)	1274-1291	5.497	6.497
9.18	Jelitto, H.; Schneider, G. A.	Extended cubic fracture model for porous materials and the dependence of the fracture toughness on the pore size	Materialia	2589-1529	2020	12	100761	0.000	1.000
9.19	Belda, Ricardo; Megias, Raquel; Feito, Norberto; et al.	Some Practical Considerations for Compression Failure Characterization of Open-Cell Polyurethane Foams Using Digital Image Correlation	Sensors (Switzerland)	1424-8220	2020	20(15)	4141	3.576	4.576
9.20	Doyle, Lucia; Weidlich, Ingo	Effects of thermal and mechanical cyclic loads on polyurethane pre-insulated pipes	FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES	8756-758X	2020	44(1)	156-168	3.459	4.459
9.21	Xiongzhou, Yuan; Yuze, Tian; Qinglin, Liu; et al.	K-Ic and K-IIc measurement for hot mix asphalt mixtures at low temperature: Experimental and theoretical study using the semicircular bend specimen with different thicknesses	FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES	8756-758X	2021	44(3)	832-846	3.459	4.459
9.22	Mahmoudi, Mohsen; Behin, Jamshid	Detrimental effect of industrial toluene organic impurities on the density of rigid polyurethane foam and their removal	KOREAN JOURNAL OF CHEMICAL ENGINEERING	0256-1115	2021	38(1)	204-214	3.309	4.309
9.23	Belda, Ricardo; Palomar, Marta; Marco, Miguel; et al.	Open cell polyurethane foam compression failure characterization and its relationship to morphometry	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	0928-4931	2021	120	111754	7.328	8.328
9.24	Ahmed, M. Muneer; Dhakal, H. N.; Zhang, Z. Y.; et al.	Enhancement of impact toughness and damage behaviour of natural fibre reinforced composites and their hybrids through novel improvement techniques: A critical review	Composite Structures	0263-8223	2021	259	113496	5.407	6.407
9.25	Kim, Myung-Sung; Kim, Jeong-Dae; Kim, Jeong-Hyeon; et al.	Mechanical Performance Degradation of Glass Fiber-reinforced Polyurethane Foam Subjected to Repetitive Low-energy Impact	INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES	0020-7403	2021	194	106188	5.329	6.329
9.26	Marco, Miguel; Belda, Ricardo; Henar Miguelez, Maria; et al.	Numerical analysis of mechanical behaviour of lattice and porous structures	Composite Structures	0263-8223	2021	261	113292	5.407	6.407
9.27	Saed, Seyed Ataollah; Karimi, Hamid Reza; Rad, Sina Mousavi; et al.	Full range I/II fracture behavior of asphalt mixtures containing RAP and rejuvenating agent using two different 3-point bend type configurations	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2021	314	125590	6.141	7.141
10	**R. Negru, L. Marsavina, T. Voiconi, E. Linul,H. Filipescu, G. Belgiu**	**Application of TCD for brittle fracture of notched PUR materials**	**Theoretical and Applied Fracture Mechanics**	**0167-8442**	**2015**	**80**	**87-95**	**3.021**	

10.1	Negru, R., Marsavina, L., Filipescu, H., Căplescu, C., Voiconi, T.	Assessment of brittle fracture for PUR materials using local strain energy density and theory of critical distances	Theoretical and Applied Fracture Mechanics	0167-8442	2015	79	62-69	4.017	5.017
10.2	Ayatollahi, M.R., Torabi, A.R., Rahimi, A.S.	Brittle fracture assessment of engineering components in the presence of notches: a review	Fatigue & Fracture of Engineering Materials & Structures	8756-758X	2016	39(3)	267-291	3.459	4.459
10.3	Fuentes, J. D.; Cicero, S.; Procopio, I.	Some default values to estimate the critical distance and their effect on structural integrity assessments	Theoretical and Applied Fracture Mechanics	0167-8442	2017	90	204-212	4.017	5.017
10.4	Saboori, B., Torabi, A.R., Keshavarz Mohammadian, S.	Experimental and stress-based theoretical studies on mixed mode I/III fracture of round-tip V-notched Polystyrene specimens	Theoretical and Applied Fracture Mechanics	0167-8442	2018	95	283-305	4.017	5.017
10.5	S Chen, P Isaksson	An experimental analysis of the defect sensitivity of solid foams	Theoretical and Applied Fracture Mechanics	0167-8442	2018	96	768-774	4.017	5.017
10.6	Ahmed, A.A., Susmel, L.	A material length scale–based methodology to assess static strength of notched additively manufactured polylactide (PLA)	Fatigue and Fracture of Engineering Materials and Structures	8756-758X	2018	41(10)	2071-2098	3.459	4.459
10.7	Negru, R., Serban, D.A., Pop, C., Marsavina, L.	Notch effect assessment in a PUR material using a ring shaped specimen	Theoretical and Applied Fracture Mechanics	0167-8442	2018	97	500-506	4.017	5.017
10.8	Suknev, S. V.	TCD-based criteria for quasi-brittle fracture of materials and structures	Procedia Structural Integrity	2452-3216	2019	20	30-36	0	1.000
10.9	Chen, S., Isaksson, P.	A note on the defect sensitivity of brittle solid foams	Engineering Fracture Mechanics	0013-7944	2019	206	541-550	4.406	5.406
10.10	Ahmed, Adnan A.; Susmel, Luca	Static assessment of plain/notched polylactide (PLA) 3D-printed with different infill levels: Equivalent homogenised material concept and Theory of Critical Distances	Theoretical and Applied Fracture Mechanics	0167-8442	2019	42(4)	883-904	4.017	5.017
10.11	Hou, Cheng; Jin, Xiaochao; Fan, Xueling; et al.	A generalized maximum energy release rate criterion for mixed mode fracture analysis of brittle and quasi-brittle materials	Theoretical and Applied Fracture Mechanics	0167-8442	2019	100	78-85	4.017	5.017
10.12	He, Yannan; Wu, Jiacheng; Qiu, Dacheng; et al.	Experimental and numerical analyses of thermal failure of rigid polyurethane foam	MATERIALS CHEMISTRY AND PHYSICS	0254-0584	2019	233	378-389	4.094	5.094
10.13	Suknev, S., V	Application of the Theory of Critical Distances to quasi-brittle fracture with a developed process zone	Procedia Structural Integrity	2452-3216	2020	28	903-909	0	1.000
10.14	Rahimi, A. S.; Ayatollahi, M. R.; Torabi, A. R.	Elastic-plastic damage prediction in notched epoxy resin specimens under mixed mode I/II loading using two virtual linear elastic failure criteria	INTERNATIONAL JOURNAL OF DAMAGE MECHANICS	1056-7895	2020	29(7)	1100-1116	5.029	6.029
10.15	Suknev, S. V.	Brittle and Quasi-Brittle Fracture of Geomaterials with Circular Hole in Nonuniform Compression	JOURNAL OF MINING SCIENCE	1062-7391	2020	56(2)	174-183	0.456	1.456

10.16	Sun, Bin	A continuum damage mechanics method for fracture simulation of quasi-brittle materials	Fatigue and Fracture of Engineering Materials and Structures	8756-758X	2020	43(8)	1837-1850	3.031	4.031
10.17	Jelitto, H.; Schneider, G. A.	Extended cubic fracture model for porous materials and the dependence of the fracture toughness on the pore size	Materialia	2589-1529	2020	12	100761	0.000	1.000
10.18	Serban, Dan-Andrei; Negru, Radu; Filipescu, Hannelore; et al.	Investigations on the influence of the triaxial state of stress on the failure of polyurethane rigid foams	CONTINUUM MECHANICS AND THERMODYNAMICS	0935-1175	2020	DOI: 10.1007/s00161-020-00924-x	DOI: 10.1007/s00161-020-00924-x	3.822	4.822
10.19	Torabi, A. R.; Jabbari, M.; Akbardoost, J.	Mixed mode notch fracture toughness assessment of quasi-brittle polymeric specimens at different scales	Theoretical and Applied Fracture Mechanics	0167-8442	2020	109	102682	4.017	5.017
10.20	Justo, J.; Castro, J.; Cicero, S.	Application of the Theory of Critical Distances for the Fracture Assessment of a Notched Limestone Subjected to Different Temperatures and Mixed Mode with Predominant Mode I Loading Conditions	ROCK MECHANICS AND ROCK ENGINEERING	0723-2632	2021	54(5)	2335-2354	6.730	7.730
10.21	Suknev, S., V	Application of the Finite Fracture Mechanics Approach to Assess the Failure of a Quasi-Brittle Material with a Circular Hole	MECHANICS OF SOLIDS	0025-6544	2021	56(3)	301-311	0.452	1.452
10.22	Suknev, S., V	Extending the theory of critical distances to quasi-brittle fracture	Theoretical and Applied Fracture Mechanics	0167-8442	2021	114	102996	4.017	5.017
11	**D. A. Şerban, T. Voiconi, E. Linul, L. Marsavina, N. Modler**	**Viscoelastic properties of PUR foams: Impact excitation and dynamic mechanical analysis**	**Materiale Plastice**	**0025-5289**	**2015**	**52(4)**	**537-541**	**1.517**	
11.1	Marinescu, M; Butu, L; Borda, C; Arsene, D; Butu, M	The Influence of Composite Polymeric Materials Topology Over the Shearing Modulus Using Virtual Instruments	Materiale Plastice	0025-5289	2018	55(4)	524-530	0.593	1.593
11.2	Serban, Dan-Andrei; Negru, Radu; Filipescu, Hannelore; et al.	Investigations on the influence of the triaxial state of stress on the failure of polyurethane rigid foams	CONTINUUM MECHANICS AND THERMODYNAMICS	0935-1175	2020	DOI: 10.1007/s00161-020-	DOI: 10.1007/s00161-020-	3.822	4.822
11.3	Serban, Dan-Andrei; Furtos, Gabriel; Marsavina, Liviu; et al.	Numerical modelling of the mechanical behaviour of wood fibre-reinforced geopolymers	CONTINUUM MECHANICS AND THERMODYNAMICS	0935-1175	2020	DOI: 10.1007/s00161-	DOI: 10.1007/s00161-	3.822	4.822
12	**J. Kovácik, J. Jerz, N. Mináriková, L. Marsavina, E. Linul**	**Scaling of compression strength in disordered solids: metallic foams**	**FRATTURA ED INTEGRITA STRUTTURALE**	**1971-8993**	**2016**	**36**	**55-62**	**0**	
12.1	Kovacik, J.; Orovcik, L.; Jerz, J.	High-temperature compression of closed cell aluminium foams	KOVOVE MATERIALY-METALLIC MATERIALS	0023-432X	2016	54(6)	429-440	1.068	2.068

12.2	Timac, G.; Gulsoy, H. O.	Ni-718 superalloy foam processed by powder space-holder technique: Microstructural and mechanical characterization	KOVOVE MATERIALY-METALLIC MATERIALS	0023-432X	2017	55(4)	273-278	1.068	2.068
12.3	Hughes, David; Amalu, Emeka H.; Pak, Tannaz; et al.	Effect of Relative Density on Compressive Load Response of Crumpled Aluminium Foil Mesh	MATERIALS	1996-1944	2019	12(23)	4018	3.623	4.623
12.4	Mareeva, Olga; Ermilov, Vladimir; Snezhko, Vera; et al.	Impact of the reinforced metal structure on the mechanical properties foamed aluminium composites at the load	CURVED AND LAYERED STRUCTURES	2353-7396	2021	8(1)	318-326	0	1.000
12.5	Opiela, Kamil C.; Zielinski, Tomasz G.; Dvorak, Tomas; et al.	Perforated closed-cell aluminium foam for acoustic absorption	APPLIED ACOUSTICS	0003-682X	2021	174	107706	2.639	3.639
12.6	Farahani, MohammadReza; Elahi, S. Hossein; Ashtiani, H. R. Rezaei	Effect of Silicon Content on Mechanical Properties and Progressive Collapse Behavior of Closed-cell Aluminum Foams	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS	0972-2815	2021	74(12)	3145-3154	1.499	2.499
12.7	Kovacik, Jaroslav; Nosko, Martin; Minarikova, Natalia; et al.	Closed-Cell Powder Metallurgical Aluminium Foams Reinforced with 3 vol.% SiC and 3 vol.% Graphite	PROCESSES	2227-9717	2021	9(11)	2031	2.847	3.847
13	**L. Marsavina, J. Kovacik, E. Linul**	**Experimental validation of micromechanical models for brittle aluminium alloy foam**	**Theoretical and Applied Fracture Mechanics**	**0167-8442**	**2016**	**83**	**11--18**	**3.021**	
13.1	Kovacik, J.; Orovcik, L.; Jerz, J.	High-temperature compression of closed cell aluminium foams	KOVOVE MATERIALY-METALLIC MATERIALS	0023-432X	2016	54(6)	429-440	1.068	2.068
13.2	Orovcik, L.; Nosko, M.; Kovacik, J.; et al.	Effects of chemical composition on the pore structure and heat treatment on the deformation of PM aluminium foams 6061 and 7075	KOVOVE MATERIALY-METALLIC MATERIALS	0023-432X	2016	54(6)	463-470	1.068	2.068
13.3	Amaro, Ana M.; Neto, Maria A.; Cirne, Jose S.; et al.	Mechanical Characterization of Different Aluminium Foams at High Strain Rates	MATERIALS	1996-1944	2019	12(9)	1428	3.623	4.623
13.4	Al-Sahlani, Kadhim; Kisi, Erich; Fiedler, Thomas	Impact of particle strength and matrix ductility on the deformation mechanism of metallic syntactic foam	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2019	786	292-299	5.316	6.316
13.5	Kramberger, J.; Necemer, B.; Glodez, S.	Assessing the cracking behavior of auxetic cellular structures by using both a numerical and an experimental approach	Theoretical and Applied Fracture Mechanics	0167-8442	2019	101	17-24	4.017	5.017
13.6	Bahceci, Ersin; Ozcatalbas, Yusuf	Experimental Verification of Cell Shape-Collapse Relationships in Metallic Foams by Photoelasticity Method	JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI	1302-0900	2019	22(4)	1101-1110	0	1.000
13.7	Yang, Xudong; An, Tao; Wu, Ziqing; et al.	The effect of outer tube on quasi -static compression behavior of aluminum foam -filled tubes	COMPOSITE STRUCTURES	0263-8223	2020	245	112357	5.407	6.407
13.8	Badkul, Anshul; Saxena, Sanjeev; Mondal, D. P.	A numerical solution to accurately predict deformation behaviour of metallic foam material up -to densification region for the possible use in composite structures	COMPOSITE STRUCTURES	0263-8223	2020	246	112419	5.407	6.407

13.9	Song, Jiafeng; Xu, Shucai; Xu, Lihan; et al.	Experimental study on the crashworthiness of bio-inspired aluminum foam-filled tubes under axial compression loading	THIN-WALLED STRUCTURES	0263-8231	2020	155	106937	4.442	5.442
13.10	Hammarberg, Samuel; Larsson, Simon; Kajberg, Jorgen; et al.	Numerical evaluation of lightweight ultra high strength steel sandwich for energy absorption	SN APPLIED SCIENCES	2523-3963	2020	2(11)	1876	0	1.000
13.11	Zhang, Yao; Lu, Zixing; Yang, Zhenyu; et al.	Fracture behavior of fibrous network materials: Crack insensitivity and toughening mechanism	INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES	0020-7403	2020	188	105910	5.329	6.329
13.12	Zhang, Zhi-jia; Huang, Lei; Li, Bin-chao; et al.	Design of a novel multi-walled tube-reinforced aluminum foam for energy absorption	COMPOSITE STRUCTURES	0263-8223	2021	276	114584	5.407	6.407
14	**D.A. Apostol, F. Stuparu,D.M. Constantinescu,L. Marsavina,E. Linul**	**Crack Length Influence on Stress Intensity Factors for the Asymmetric Four-point Bending Testing of a Polyurethane Foam**	**Materiale Plastice**	**0025-5289**	**2016**	**53(2)**	**280-282**	**1.248**	
14.1	Apostol, DA; Constantinescu, DM; Stuparu, F	Characterization and Damage Assessment of Polyurethane Foams Subjected to Compression Testing	Materiale Plastice	0025-5289	2016	53(3)	454-457	0.593	1.593
14.2	Saed, Seyed Ataollah; Karimi, Hamid Reza; Rad, Sina Mousavi; et al.	Full range I/II fracture behavior of asphalt mixtures containing RAP and rejuvenating agent using two different 3-point bend type configurations	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2021	314	125590	6.141	7.141
15	**L. Marsavina, D.M. Constantinescu, E. Linul, F.A. Stuparu, D.A. Apostol**	**Experimental and numerical crack paths in PUR foams**	**Engineering Fracture Mechanics**	**0013-7944**	**2016**	**167**	**68-83**	**3.426**	
15.1	Matvienko, Y. G.; Morozov, E. M.	Two basic approaches in a search of the crack propagation angle	Fatigue & Fracture of Engineering Materials & Structures	8756-758X	2017	40(8)	1191-1200	3.459	4.459
15.2	B Bahrami, MR Ayatollahi. AR Torabi	Predictions of fracture load, crack initiation angle, and trajectory for V-notched Brazilian disk specimens under mixed mode I/II loading with negative mode I contributions	International Journal of Damage Mechanics	1056-7895	2018	27(8)	1173-1191	5.029	6.029
15.3	Pirmohammad, S., Hojjati Mengharpey, M.	A new mixed mode I/II fracture test specimen: Numerical and experimental studies	Theoretical and Applied Fracture Mechanics	0167-8442	2018	97	204-214	4.017	5.017
15.4	Pascual, B.S., Vallejos, S., Ramos, C., Sanz, M.T., Ruiz, J.A.R., García, F.C., García, J.M.	Sensory polymeric foams as a tool for improving sensing performance of sensory polymers	Sensors (Switzerland)	1424-8220	2018	18(12)	4378	3.576	4.576
15.5	He, Yannan; Wu, Jiacheng; Qiu, Dacheng; et al.	Experimental and numerical analyses of thermal failure of rigid polyurethane foam	MATERIALS CHEMISTRY AND PHYSICS	0254-0584	2019	233	378-389	4.094	5.094
15.6	Grbovic, Aleksandar; Kastratovic, Gordana; Sedmak, Aleksandar; et al.	Fatigue crack paths in light aircraft wing spars	INTERNATIONAL JOURNAL OF FATIGUE	0142-1123	2019	123	96-104	5.186	6.186

15.7	Razavi, Seyed Mohammad Javad; Berto, Filippo	A new fixture for fracture tests under mixed mode I/II/III loading	FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES	8756-758X	2019	42(9)	1874-1888	3.459	4.459
15.8	Grbovic, Aleksandar; Kastratovic, Gordana; Sedmak, Aleksandar; et al.	Determination of optimum wing spar cross section for maximum fatigue life	INTERNATIONAL JOURNAL OF FATIGUE	0142-1123	2019	127	305-311	5.186	6.186
15.9	Jiang, Lanxin; Yang, Bing; Xiao, Shoune; et al.	Simulation Study of Adhesive Material for Sandwich Panel under Edgewise Compression Condition	MATERIALS	1996-1944	2020	13(6)	1391	3.623	4.623
15.10	Dukic, D.; Grbovic, A.; Kastratovic, G.; et al.	Stress intensity factors numerical calculations for two penny shaped cracks in the elastic solid	ENGINEERING FAILURE ANALYSIS	350-6307	2020	112	104507	3.114	4.114
15.11	Ayatollahi, Majid R.; Bahadori, Robab; Bahrami, Bahador; et al.	Crack bifurcation in sharp V-notches	Theoretical and Applied Fracture Mechanics	0167-8442	2020	110	102790	4.017	5.017
15.12	Belda, Ricardo; Palomar, Marta; Marco, Miguel; et al.	Open cell polyurethane foam compression failure characterization and its relationship to morphometry	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	0928-4931	2021	120	111754	7.328	8.328
15.13	Funari, Marco Francesco; Spadea, Saverio; Lonetti, Paolo; et al.	On the elastic and mixed-mode fracture properties of PVC foam	Theoretical and Applied Fracture Mechanics	0167-8442	2021	112	102924	4.017	5.017
16	**E. Linul, D.A. Şerban, L. Marsavina, J. Kovacik**	**Low-cycle fatigue behaviour of ductile closed-cell aluminium alloy foams**	**Fatigue and Fracture of Engineering Materials and Structures**	**8756-758X**	**2017**	**40**	**597-604**	**3.031**	
16.1	Fan, Xueling; Zhao, Modi; Wang, Tiejun	Experimental investigation of the fatigue crack propagation in a closed-cell aluminum alloy foam	MATERIALS SCIENCE AND ENGINEERING A	0921-5093	2017	708	424-431	5.234	6.234
16.2	Hu, Yang; Fang, Qin-Zhi; Sha, Bao-Lin; et al.	Effect of the large cells on the fatigue properties of closed-cell aluminum alloy foam	COMPOSITE STRUCTURES	0263-8223	2018	200	59-68	5.407	6.407
16.3	Necemer, Branko; Vesenjak, Matej; Glodez, Srecko	Fatigue of Cellular Structures - a Review	STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING	0039-2480	2019	65(9)	525-536	1.554	2.554
16.4	Yang, Xudong; Hu, Qi; Du, Juan; et al.	Compression fatigue properties of open-cell aluminum foams fabricated by space-holder method	INTERNATIONAL JOURNAL OF FATIGUE	0142-1123	2019	121	272-280	5.186	6.186
16.5	Yao, Cheng; Hu, Zhengfei; Mo, Fan; et al.	Fabrication and Fatigue Behavior of Aluminum Foam Sandwich Panel via Liquid Diffusion Welding Method	METALS	2075-4701	2019	9(5)	582	2.351	3.351
16.6	Jigh, Behrang Hamidi Ghaleh; Hosseini-Toudeshky, Hossein; Farsi, Mohammad Ali	Low cycle fatigue analyses of open-celled aluminum foam under compression-compression loading using experimental and microstructure finite element analysis	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2019	797	231-236	5.316	6.316

16.7	Yang, Xudong; Hu, Qi; Li, Weiting; et al.	Compression-compression fatigue performance of aluminium matrix composite foams reinforced by carbon nanotubes	FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES	8756-758X	2020	43(4)	744-756	3.459	4.459
16.8	Ulbin, M.; Kramberger, J.; Glodez, S.	Low-cycle fatigue analysis of closed-cell aluminium foam using a homogenised material model	MECHANICS OF MATERIALS	0167-6636	2020	145	103397	3.266	4.266
16.9	Sun, SongSong	A new stress field intensity model and its application in component high cycle fatigue research	PLOS ONE	1932-6203	2020	15(7)	e0235323	3.24	4.240
16.10	Yang, Xudong; An, Tao; Wu, Ziqing; et al.	The effect of outer tube on quasi -static compression behavior of aluminum foam -filled tubes	COMPOSITE STRUCTURES	0263-8223	2020	245	112357	5.407	6.407
16.11	Movahedi, Nima; Orbulov, Imre Norbert; Kemeny, Alexandra; et al.	Fatigue characterization of functionally graded ZA27 alloy syntactic foams	MATERIALS SCIENCE AND ENGINEERING A	0921-5093	2020	798	140255	5.234	6.234
16.12	Liu, Ming; Ren, Taolin; Gao, Chenghui	Correspondence Relationship between the Maximum Tensile Stress and Cycle Number during the Initial Stage of Low-Cycle Fatigue Test	JOURNAL OF TESTING AND EVALUATION	0090-3973	2021	49(3)	-1570 1585	1.264	2.264
16.13	Parveez, Bisma; Jamal, Nur Ayuni; Maleque, Abdul; et al.	Review on advances in porous Al composites and the possible way forward	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	2238-7854	2021	14	-2017 2038	5.039	6.039
16.14	Ibin, M.; Glodez, S.	Fatigue analysis of closed-cell aluminium foam using different material models	TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHIN	003-6326	2021	31(9)	2787-2796	2.917	3.917
16.15	Moreno, Edgardo; Viespoli, Luigi Mario; Johanson, Audun; et al.	Effect of geometrical irregularities on fatigue of lead sheathing for submarine high voltage power cable applications	INTERNATIONAL JOURNAL OF FATIGUE	0142-1123	2021	151	106399	5.186	6.186
17	**E. Linul, L. Marsavina, J. Kováčik**	**Collapse mechanisms of metal foam matrix composites under static and dynamic loading conditions, Materials Science &Engineering A,**	**Materials Science and Engineering: A**	**0921-5093**	**2017**	**690**	**214-224**	**4.652**	
17.1	Ran, X., Sun, H.-W., Wang, L.-D., Wu, Y.-M.	Interface associativity and energy absorption capability of anti-vibration porous Al-MM alloy core with iron alloy skin structures	JOURNAL OF IRON AND STEEL RESEARCH INTERNATIONAL	1006-706X	2017	24(7)	730-736	1.263	2.263
17.2	Jing, L., Su, X., Yang, F., Ma, H., Zhao, L.	Compressive strain rate dependence and constitutive modeling of closed-cell aluminum foams with various relative densities	Journal of Materials Science	0022-2461	2018	53(20)	14739-14757	4.22	5.220
17.3	Zhang, J., Zhang, Y., Fan, J., Fang, Q., Long, Y.	Mesoscopic investigation of layered graded metallic foams under dynamic compaction	Advances in Structural Engineering	1369-4332	2018	21(14)	2081-2098	1.8	2.800
17.4	Byakova, Alexandra; Gnyloskurenko, Svyatoslav; Vlasov, Andrey; et al.	Effect of Cell Wall Ductility and Toughness on Compressive Response and Strain Rate Sensitivity of Aluminium Foam	ADVANCES IN MATERIALS SCIENCE AND ENGINEERING	1687-8434	2019	2019	3474656	1.726	2.726

17.5	Garcia-Martin, R., Bautista-De Castro, Á., Sánchez-Aparicio, L.J., Fueyo, J., Gonzalez-Aguilera, D.	Combining digital image correlation and probabilistic approaches for the reliability analysis of composite pressure vessels	Archives of Civil and Mechanical Engineering	1644-9665	2019	19(1)	224-239	4.369	5.369
17.6	Sharma, Varun; Grujovic, Nenad; Zivic, Fatima; et al.	Influence of Porosity on the Mechanical Behavior during Uniaxial Compressive Testing on Voronoi-Based Open-Cell Aluminium Foam	MATERIALS	1996-1944	2019	12(7)	1041	3.623	4.623
17.7	Hughes, David; Amalu, Emeka H.; Pak, Tannaz; et al.	Effect of Relative Density on Compressive Load Response of Crumpled Aluminium Foil Mesh	MATERIALS	1996-1944	2019	12(13)	4018	3.623	4.623
17.8	Razborsek, Bostjan; Gotlih, Janez; Karner, Timi; et al.	The Influence of Machining Parameters on the Surface Porosity of a Closed-Cell Aluminium Foam	STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING	0039-2480	2020	66(1)	29-37	1.554	2.554
17.9	Guo, Lu; Mao, Renwei; Li, Shiqiang; et al.	The load-carrying capacity of sandwich beams in different collapse mechanisms	JOURNAL OF SANDWICH STRUCTURES & MATERIALS	1099-6362	2020	UNSP 10996362 20920113	UNSP 10996362 20920113	5.497	6.497
17.10	Jagadeesh, G. V.; Gangi Setti, Srinivasu	A review on micromechanical methods for evaluation of mechanical behavior of particulate reinforced metal matrix composites	Journal of Materials Science	0022-2461	2020	55(23)	9848-9882	4.22	5.220
17.11	Heidari Ghaleh, M.; Ehsani, N.; Baharvandi, H. R.	Compressive Properties of A356 Closed-Cell Aluminum Foamed with a CaCO3 Foaming Agent Without Stabilizer Particles	METALS AND MATERIALS INTERNATIONAL	1598-9623	2020	0.1007/s12540-020-00807-5	0.1007/s12540-020-00807-5	3.642	4.642
17.12	Marx, Jacob; Rabiei, Afsaneh	Tensile properties of composite metal foam and composite metal foam core sandwich panels	JOURNAL OF SANDWICH STRUCTURES & MATERIALS	1099-6362	2020	10996362 20942880	10996362 20942880	5.497	6.497
17.13	Song, Jiafeng; Xu, Shucai; Xu, Lihan; et al.	Experimental study on the crashworthiness of bio-inspired aluminum foam-filled tubes under axial compression loading	THIN-WALLED STRUCTURES	0263-8231	2020	155	106937	4.442	5.442
17.14	Zhang, Wei; Qin, Qinghua; Li, Jianfeng; et al.	A comparison of structural collapse of fully clamped and simply supported hybrid composite sandwich beams with geometrically asymmetric face sheets	COMPOSITES PART B-ENGINEERING	1359-8368	2020	201	108398	9.078	10.078
17.15	Pulok, Mohammad Khairul Habib; Rahman, M. Shafiqur; Akanda, Md. Abdus Salam	Numerical analyses of stress and deformation in sandwich-structured composites	JOURNAL OF STRAIN ANALYSIS FOR ENGINEERING DESIGN	0309-3247	2020	DOI: 10.1177/0309324720976621	DOI: 10.1177/0309324720976621	1.541	2.541
17.16	Bunjan, Ivana; Grilec, Kresimir; Coric, Danko	Investigation and Statistical Evaluation of Reinforced Aluminum Foams	PROCESSES	2227-9717	2021	9(2)	315	2.847	3.847

17.17	Opiela, Kamil C.; Zielinski, Tomasz G.; Dvorak, Tomas; et al.	Perforated closed-cell aluminium foam for acoustic absorption	APPLIED ACOUSTICS	0003-682X	2021	174	107706	2.639	3.639
17.18	Wang, Erdong; Sun, Guangyong; Zheng, Gang; et al.	On multiaxial failure behavior of closed-cell aluminum foams under medium strain rates	THIN-WALLED STRUCTURES	0263-8231	2021	160	107278	4.442	5.442
17.19	Movahedi, Nima; Vesenjak, Matej; Belova, Irina, V; et al.	Dynamic compression of functionally-graded metal syntactic foams	COMPOSITE STRUCTURES	0263-8223	2021	261	113308	5.407	6.407
17.20	Bellini, Costanzo; Borrelli, Rosario; Di Cocco, Vittorio; et al.	Bending properties of titanium lattice structures produced by electron beam melting process	FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES	8756-758X	2021	44(7)	1961-1970	3.459	4.459
17.21	Kim, Youngwoo; Moon, Chanhee; Nematollahi, Omid; et al.	Time-Resolved PIV Measurements and Turbulence Characteristics of Flow Inside an Open-Cell Metal Foam	MATERIALS	1996-1944	2021	14(13)	3566	3.623	4.623
17.22	Ma, Quanjin; Rejab, M. R. M.; Siregar, J. P.; et al.	A review of the recent trends on core structures and impact response of sandwich panels	JOURNAL OF COMPOSITE MATERIALS	0021-9983	2021	55(18)	2513-2555	2.591	3.591
17.23	Zhang, Boyi; Zhang, Jian; Wang, Li; et al.	Bending behavior of cenosphere aluminum matrix syntactic foam-filled circular tubes	ENGINEERING STRUCTURES	0141-0296	2021	243	112650	4.471	5.471
18	**E. Linul, D. A. Şerban, L. Marsavina, T. Sadowski**	**Assessment of collapse diagrams of rigid polyurethane foams under dynamic loading conditions**	**Archives of Civil and Mechanical Engineering**	**1644-9665**	**2017**	**17(3)**	**457-466**	**3.672**	
18.1	Wang, H., Li, T.-T., Wu, L., Lou, C.-W., Lin, J.-H.	Multifunctional, polyurethane-based foam composites reinforced by a fabric structure: Preparation, mechanical, acoustic, and EMI shielding properties	Materials	1996-1944	2018	11(11)	2085	3.623	4.623
18.2	Realinho, Vera; Arencon, David; Antunes, Marcelo; et al.	Effects of a Phosphorus Flame Retardant System on the Mechanical and Fire Behavior of Microcellular ABS	POLYMERS	2073-4360	2019	11(1)	30	4.329	5.329
18.3	Hoang, Cuong N.; Pham, Chi T.; Dang, Thu M.; et al.	Novel Oligo-Ester-Ether-Diol Prepared by Waste Poly(ethylene terephthalate) Glycolysis and Its Use in Preparing Thermally Stable and Flame Retardant Polyurethane Foam	POLYMERS	2073-4360	2019	11(2)	236	4.329	5.329
18.4	He, Yannan; Wu, Jiacheng; Qiu, Dacheng; et al.	Experimental and numerical analyses of thermal failure of rigid polyurethane foam	MATERIALS CHEMISTRY AND PHYSICS	0254-0584	2019	233	378-389	4.094	5.094
18.5	Wu, Jiacheng; He, Yannan; Yu, Zhiqiang	Failure mechanism of rigid polyurethane foam under high temperature vibration condition by experimental and finite element method	JOURNAL OF APPLIED POLYMER SCIENCE	0021-8995	2020	137(6)	48343	3.125	4.125
18.6	Li, Ting-Ting; Wang, Hongyang; Huang, Shih-Yu; et al.	Bioinspired foam composites resembling pomelo peel: Structural design and compressive, bursting and cushioning properties	COMPOSITES PART B-ENGINEERING	1359-8368	2019	172	290-298	9.078	10.078
18.7	Qiu, Dacheng; He, Yannan; Yu, Zhiqiang	Investigation on Compression Mechanical Properties of Rigid Polyurethane Foam Treated under Random Vibration Condition: An Experimental and Numerical Simulation Study	Materials	1996-1944	2019	12(20)	3385	3.623	4.623

18.8	Del Rosso, Stefano; Iannucci, Lorenzo	On the Compressive Response of Polymeric Cellular Materials	Materials	1996-1944	2020	13(2)	457	3.623	4.623
18.9	Wang, Juan; Li, Xun; Fang, Hongyuan; et al.	Statistical Characteristics of Polymer Grouting Material Microstructure	ADVANCES IN CIVIL ENGINEERING	1687-8086	2020	2020	8847494	1.924	2.924
18.10	Abbasi, Mohammad; Nia, Ali Alavi	High-velocity impact behavior of sandwich structures with AL faces and foam cores-Experimental and numerical study	AEROSPACE SCIENCE AND TECHNOLOGY	270-9638	2020	105	106039	5.107	6.107
18.11	Liu, Yue; Rahimidehgolan, Foad; Altenhof, William	Anisotropic compressive behavior of rigid PVC foam at strain rates up to 200 s(-1)	POLYMER TESTING	0142-9418	2020	91	106836	4.282	5.282
18.12	Miralbes, R.; Ranz, D.; Pascual, F. J.; et al.	Characterization of additively manufactured triply periodic minimal surface structures under compressive loading	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2020	DOI: 10.1080/15376494.2020.1842948	DOI: 10.1080/15376494.2020.1842948	4.030	5.030
18.13	Pietras, D.; Aliha, MRM.; Sadowski, T.	Mode III fracture toughness testing and numerical modeling for aerated autoclaved concrete using notch cylinder specimen subjected to torsion	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	45	4326-4329	0.000	1.000
18.14	He, Yannan; Wu, Jiacheng; Qiu, Dacheng; et al.	Construction of 3-D realistic representative volume element failure prediction model of high density rigid polyurethane foam treated under complex thermal-vibration conditions	INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES	0020-7403	2021	193	106164	5.329	6.329
18.15	Kim, Jin-Yeon; Kim, Jeong-Dae; Kim, Jeong-Hyeon; et al.	Effects of ultrasonic dispersion on nanoparticle based polyurethane foam reinforcement	POLYMER TESTING	0142-9418	2021	99	107210	4.282	5.282
18.16	Sun, Deqiang; Sun, Yujin; Ben, Jincui; et al.	Energy absorption characteristics of circular-celled honeycombs under in-plane quasi-static compressive loadings	INTERNATIONAL JOURNAL OF MATERIALS RESEARCH	862-5282	2021	112(7)	565-577	0.748	1.748
18.17	Serban, Dan Andrei; Negru, Radu; Sarandan, Sorin; et al.	Numerical and experimental investigations on the mechanical properties of cellular structures with open Kelvin cells	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2021	28(13)	1367-1376	4.03	5.030
18.18	Wang, Juan; Li, Xun; Wang, Cuixia; et al.	Quantitative analysis of the representative volume element of polymer grouting materials based on geometric homogenization	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2021	300	124223	6.141	7.141
18.19	Bhagavathula, K. B.; Meredith, C. S.; Ouellet, S.; et al.	Density, Microstructure, and Strain-Rate Effects on the Compressive Response of Polyurethane Foams	EXPERIMENTAL MECHANICS	0014-4851	2021	DOI: 10.1007/s11340-021-00772-z	DOI: 10.1007/s11340-021-00772-z	2.808	3.808
19	**L. Marsavina, F. Berto, R. Negru, D.A. Serban, E. Linul**	**An engineering approach to predict mixed mode fracture of PUR foams based on ASED and micromechanical modeling**	**Theoretical and Applied Fracture Mechanics**	**0167-8442**	**2017**	**91**	**148-154**	**4.017**	

19.1	Aliha, M.R.M., Berto, F., Mousavi, A., Razavi, S.M.J.	On the applicability of ASED criterion for predicting mixed mode I+II fracture toughness results of a rock material	Theoretical and Applied Fracture Mechanics	0167-8442	2017	92	198-204	4.017	5.017
19.2	Saboori, B., Torabi, A.R., Keshavarz Mohammadian, S.	Experimental and stress-based theoretical studies on mixed mode I/III fracture of round-tip V-notched Polystyrene specimens	Theoretical and Applied Fracture Mechanics	0167-8442	2017	95	283-305	4.017	5.017
19.3	Negru, R., Serban, D.A., Pop, C., Marsavina, L.	Notch effect assessment in a PUR material using a ring shaped specimen	Theoretical and Applied Fracture Mechanics	0167-8442	2018	97	500-506	4.017	5.017
19.4	Pirmohammad, S., Hojjati Mengharpey, M.	A new mixed mode I/II fracture test specimen: Numerical and experimental studies	Theoretical and Applied Fracture Mechanics	0167-8442	2018	97	204-214	4.017	5.017
19.5	Majidi, H.R., Razavi, S.M.J., Torabi, A.R.	Application of EMC-J criterion to fracture prediction of U-notched polymeric specimens with nonlinear behaviour	Fatigue and Fracture of Engineering Materials and Structures	8756-758X	2019	42(1)	352-362	3.459	4.459
19.6	Chen, S., Isaksson, P.	A note on the defect sensitivity of brittle solid foams	Engineering Fracture Mechanics	0013-7944	2019	206	541-550	4.406	5.406
19.7	Hou, Cheng; Jin, Xiaochao; Fan, Xueling; et al.	A generalized maximum energy release rate criterion for mixed mode fracture analysis of brittle and quasi-brittle materials	Theoretical and Applied Fracture Mechanics	0167-8442	2019	100	78-85	4.017	5.017
19.8	Salavati, H.; Mohammadi, H.	Ductile Failure Prediction of U-Notched Bainitic Functionally Graded Steel Specimens Using the Equivalent Material Concept Combined with the Averaged Strain Energy Density Criterion	PHYSICAL MESOMECHANICS	1029-9599	2019	22(3)	255-260	1.85	2.850
19.9	Al Rifaie, Mohammed; Mian, Ahsan; Srinivasan, Raghavan	Compression behavior of three-dimensional printed polymer lattice structures	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS	1464-4207	2019	233(8)	1574-1584	2.311	3.311
19.10	Heydari-Meybodi, Mahdi; Ayatollahi, Majid Reza; Berto, Filippo; et al.	Rupture assessment of rubber/clay nanocomposites containing a crack by means of an energy-based fracture criterion	Archives of Civil and Mechanical Engineering	1644-9665	2019	19(4)	1458-1467	4.369	5.369
19.11	Golewski, Grzegorz Ludwik	A new principles for implementation and operation of foundations for machines: A review of recent advances	STRUCTURAL ENGINEERING AND MECHANICS	1225-4568	2019	71(3)	317-327	3.524	4.524
19.12	Golewski, Grzegorz Ludwik	A novel specific requirements for materials used in reinforced concrete composites subjected to dynamic loads	COMPOSITE STRUCTURES	0263-8223	2019	223	110939	5.407	6.407
19.13	Salavati, H.; Mohammadi, H.; Alizadeh, Y.; et al.	3D fracture behaviour of graphite specimens weakened by V-notches with end holes under mixed mode (I plus II) loading	ENGINEERING FAILURE ANALYSIS	1350-6307	2019	104	682-689	3.114	4.114

19.14	Abolghasemzadeh, M.; Alizadeh, Y.; Mohammadi, H.	Fatigue Strength Reduction Factors Based on Strain Energy Density Applied to Sharp and Blunt Notches under Multiaxial Loading	PHYSICAL MESOMECHANICS	1029-9599	2020	23(1)	66-80	1.85	2.850
19.15	Namdar, Abdoullah	Prediction of the settlement of a pile and assessment seismic soil-pile interaction - An analytical investigation	Procedia Structural Integrity	452-3216	2020	28	311-322	0	1.000
19.16	Rahimi, A. S.; Ayatollahi, M. R.; Torabi, A. R.	Elastic-plastic damage prediction in notched epoxy resin specimens under mixed mode I/II loading using two virtual linear elastic failure criteria	INTERNATIONAL JOURNAL OF DAMAGE MECHANICS	1056-7895	2020	29(7)	1100-1116	5.029	6.029
19.17	Foti, Pietro; Ayatollahi, Majid R.; Berto, Filippo	Rapid strain energy density evaluation for V-notches under mode I loading conditions	ENGINEERING FAILURE ANALYSIS	1350-6307	2020	110	UNSP 104361	3.114	4.114
19.18	Sun, Bin	A continuum damage mechanics method for fracture simulation of quasi-brittle materials	Fatigue and Fracture of Engineering Materials and Structures	8756-758X	2020	43(8)	1837-1850	3.459	4.459
19.19	Jelitto, H.; Schneider, G. A.	Extended cubic fracture model for porous materials and the dependence of the fracture toughness on the pore size	Materialia	2589-1529	2020	12	100761	0.000	1.000
19.20	Serban, Dan-Andrei; Negru, Radu; Filipescu, Hannelore; et al.	Investigations on the influence of the triaxial state of stress on the failure of polyurethane rigid foams	CONTINUUM MECHANICS AND THERMODYNAMICS	0935-1175	2020	DOI: 10.1007/s00161-020-00924-x	DOI: 10.1007/s00161-020-00924-x	3.822	4.822
19.21	Hua, Wen; Huang, Jiuzhou; Pan, Xin; et al.	An extended maximum tangential strain energy density criterion considering T-stress for combined mode I-III brittle fracture	Fatigue and Fracture of Engineering Materials and Structures	8756-758X	2021	44(1)	169-181	3.459	4.459
19.22	Pourseifi, M.; Rahimi, A. S.	Failure prediction of multi-cracked ductile polymeric specimens under mixed mode I/II loading	Theoretical and Applied Fracture Mechanics	0167-8442	2020	109	102744	4.017	5.017
19.23	Funari, Marco Francesco; Spadea, Saverio; Lonetti, Paolo; et al.	On the elastic and mixed-mode fracture properties of PVC foam	Theoretical and Applied Fracture Mechanics	0167-8442	2021	112	102924	4.017	5.017
19.24	Namdar, Abdoullah	Nonlinear lateral displacement of the single pile-A seismic analytical investigation	ENGINEERING FAILURE ANALYSIS	1350-6307	2021	127	105509	3.114	4.114
19.25	Junik, Krzysztof; Snowacki, Kamil; Duda, Szymon; et al.	Impact of hardness on the fracture and tear characterization of rigid pur materials used in suspension systems of vehicles	ENGINEERING FAILURE ANALYSIS	1350-6307	2021	127	105510	3.114	4.114
19.26	Lin, Jia-Horng; Yu, Haiyang; Wang, Hongyang; et al.	Bionic micro-interface lattice foam-core composites: Manufacturing techniques, compression resistance, bursting strength, low-velocity impact, and dynamic cushion efficacy	POLYMERS FOR ADVANCED TECHNOLOGIES	1042-7147	2021	DOI: 10.1002/pat.5551	DOI: 10.1002/pat.5551	3.665	4.665

19.27	Saed, Seyed Ataollah; Karimi, Hamid Reza; Rad, Sina Mousavi; et al.	Full range I/II fracture behavior of asphalt mixtures containing RAP and rejuvenating agent using two different 3-point bend type configurations	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2021	314	125590	6.141	7.141
20	**E. Linul, L. Marsavina, J. Kovacik, T. Sadowski**	**Dynamic and quasi-static compression tests of closed-cell aluminium alloy foams**	**Proceedings of the Romanian Academy – Series A**	**1454-9069**	**2017**	**18(4)**	**361-369**	**1.294**	
20.1	Byakova, Alexandra; Gnyloskurenko, Svyatoslav; Vlasov, Andrey; et al.	Effect of Cell Wall Ductility and Toughness on Compressive Response and Strain Rate Sensitivity of Aluminium Foam	ADVANCES IN MATERIALS SCIENCE AND ENGINEERING	687-8434	2019	2019	3474656	1.726	2.726
20.2	Rajak, Dipen Kumar; Mahajan, Nikhil N.; Das, S.	Fabrication and investigation of influence of CaCO3 as foaming agent on Al-SiCp foam	MATERIALS AND MANUFACTURING PROCESSES	042-6914	2019	34(4)	379-384	4.616	5.616
20.3	Rajak, Dipen Kumar; Mahajan, Nikhil N.; Selyaraj, Senthil Kumaran	Fabrication and Experimental Investigation on Deformation Behaviour of AlSi10Mg Foam-Filled Mild Steel Tubes	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS	0972-2815	2020	73(3)	587-594	1.499	2.499
20.4	Heidari Ghaleh, M.; Ehsani, N.; Baharvandi, H. R.	Compressive Properties of A356 Closed-Cell Aluminum Foamed with a CaCO3 Foaming Agent Without Stabilizer Particles	METALS AND MATERIALS INTERNATIONAL	1598-9623	2020	27(10)	3856-3861	3.642	4.642
20.5	Strek, Anna M.; Lasowicz, Natalia; Kwiecien, Arkadiusz; et al.	Highly Dissipative Materials for Damage Protection against Earthquake-Induced Structural Pounding	Materials	1996-1944	2021	14(12)	3231	3.623	4.623
20.6	Grilec, Kresimir; Bunjan, Ivana; Jakovljevic, Suzana	The Influence of Applied Force on Aluminium Foams Energy Absorption	TEHNICKI VJESNIK-TECHNICAL GAZETTE	1330-3651	2021	28(4)	1388-1394	0.783	1.783
21	**N. Movahedi, E. Linul**	**Quasi-static compressive behavior of the ex-situ aluminum-alloy foam-filled tubes under elevated temperature conditions**	**Materials Letters**	**0167-577X**	**2017**	**206**	**182-184**	**3.204**	
21.1	Yan, L.L., Zhao, Z.Y., Han, B., Lu, T.J., Lu, B.H.	Tube enhanced foam: A novel way for aluminum foam enhancement	Materials Letters	0167-577X	2018	227	70-73	3.423	4.423
21.2	Zhao, Miao; Liu, Fei; Fu, Guang; et al.	Improved Mechanical Properties and Energy Absorption of BCC Lattice Structures with Triply Periodic Minimal Surfaces Fabricated by SLM	Materials	1996-1944	2018	11(12)	2411	3.623	4.623
21.3	Izzah, A. R. N.; Salwani, M. S.; Tan, S. W.; et al.	Effect of specimen geometry, quenching and trigger mechanism on crushing performance of single hat column	IOP Conference Series-Materials Science and Engineering	1757-8981	2019	469	12091	0.000	1.000
21.4	Zhang, Yunwei; Yan, Leilei; Zhang, Wanbo; et al.	Metallic tube-reinforced aluminum honeycombs: Compressive and bending performances	COMPOSITES PART B-ENGINEERING	1359-8368	2019	171	192-203	9.078	10.078
21.5	Lin, Yingfei; Zhang, Qiang; Liu, Tianlong; et al.	Sol-gel MgO coating on glass microspheres for inhibiting excessive interfacial reaction in Al-Mg matrix syntactic foam	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2019	798	59-66	5.316	6.316
21.6	Taraz Jamshidi, Youssef; Pourkamali Anaraki, Ali; Sadighi, Mojtaba; et al.	Micro-Structure Analysis of Quasi-Static Crushing and Low-Velocity Impact Behavior of Graded Composite Metallic Foam Filled Tube	METALS AND MATERIALS INTERNATIONAL	1598-9623	2019	27(5)	871-884	3.642	4.642

21.7	Zhuang, Chuanbing; Xu, Zhigang; Huang, Shangyu; et al.	In situ synthesis of a porous high-Mn and high-Al steel by a novel two-step pore-forming technique in vacuum sintering	JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY	1005-0302	2020	39	82-88	8.067	9.067
21.8	Lafta, Omar Abdulhasan; Fareed, Minah Mohammed; Bin Said, Md Radzai	Experimental and simulation study of mild steel response to lateral quasi-static compression	JOURNAL OF MECHANICAL ENGINEERING AND SCIENCES	2289-4659	2020	14(1)	6488-6496	0.000	1.000
21.9	Xu, Jiali; Yang, Xudong; He, Chunnian; et al.	Crushing behavior and energy absorption property of carbon nanotube-reinforced aluminum composite foam-filled 6061 aluminum alloy tubes	JOURNAL OF MATERIALS SCIENCE	0022-2461	2020	55(18)	7910-7926	4.220	5.220
21.10	Wang, Han; Su, Mingming; Hao, Hai	The quasi-static axial compressive properties and energy absorption behavior of ex-situ ordered aluminum cellular structure filled tubes	COMPOSITE STRUCTURES	0263-8223	2020	239	112039	5.407	6.407
21.11	Yan, L. L.; Yu, B.; Han, B.; et al.	Effects of aluminum foam filling on the low-velocity impact response of sandwich panels with corrugated cores	JOURNAL OF SANDWICH STRUCTURES & MATERIALS	1099-6362	2020	22(4)	929-947	5.497	6.497
21.12	Movahedi, Nima; Murch, Graeme E.; Belova, Irina V.; et al.	Manufacturing and compressive properties of tube-filled metal syntactic foams	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2020	822	153465	5.316	6.316
21.13	Yin, Dejun; Zheng, Jian; Xiong, Chao; et al.	Analytical, Numerical, and Experimental Investigations on Transverse Bending Responses of CFRP Square Tube Filled with Aluminum Foam	MATHEMATICAL PROBLEMS IN ENGINEERING	1024-123X	2020	2020	8764349	1.305	2.305
21.14	Zhang, Zhi-jia; Zhang, Qian-cheng; Zhang, De-zhi; et al.	Enhanced mechanical performance of brazed sandwich panels with high density square honeycomb-corrugation hybrid cores	THIN-WALLED STRUCTURES	0263-8231	2020	151	106757	4.442	5.442
21.15	Yang, Xudong; An, Tao; Wu, Ziqing; et al.	The effect of outer tube on quasi -static compression behavior of aluminum foam -filled tubes	COMPOSITE STRUCTURES	0263-8223	2020	245	112357	5.407	6.407
21.16	Tavares, M.; Weigand, J. M.; Vieira Jr, L. C. M.; et al.	Mechanical behavior of steel and aluminum foams at elevated temperatures. Local buckling based approach toward understanding of the material system behavior	INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES	0020-7403	2020	181	105754	5.329	6.329
21.17	Song, Jiafeng; Xu, Shucai; Xu, Lihan; et al.	Experimental study on the crashworthiness of bio-inspired aluminum foam-filled tubes under axial compression loading	THIN-WALLED STRUCTURES	0263-8231	2020	155	106937	4.442	5.442
21.18	Zhang, Yong; Yan, Xiaogang; Huang, Wenzhen; et al.	Experimental investigations on mechanical behavior of the carbon fiber tube reinforced polyurethane foam	THIN-WALLED STRUCTURES	0263-8231	2020	155	106899	4.442	5.442
21.19	Kemeny, Alexandra; Leveles, Borbala; Karoly, Dora	Functional aluminium matrix syntactic foams filled with lightweight expanded clay aggregate particles	MATERIALS TODAY-PROCEEDINGS	214-7853	2021	45	-4229 4232	0	1.000
21.20	Leveles, Borbala; Kemeny, Alexandra; Szijarto, Anna	Mechanical investigation of in-situ produced aluminium matrix syntactic foam-filled tubes	MATERIALS TODAY-PROCEEDINGS	214-7853	2021	45	4221-4224	0	1.000
21.21	Fu, Xinrong; Zhang, Xiong; Huang, Zhixin	Axial crushing of Nylon and Al/Nylon hybrid tubes by FDM 3D printing	COMPOSITE STRUCTURES	0263-8223	2021	256	113055	5.407	6.407

21.22	Wang, Li; Zhang, Boyi; Zhang, Jian; et al.	Deformation and energy absorption properties of cenosphere-aluminum syntactic foam-filled tubes under axial compression	THIN-WALLED STRUCTURES	0263-8231	2021	160	107364	4.442	5.442
21.23	Faidzi, M. K.; Abdullah, S.; Abdullah, M. F.; et al.	Review of current trends for metal-based sandwich panel: Failure mechanisms and their contribution factors	ENGINEERING FAILURE ANALYSIS	1350-6307	2021	123	105302	3.114	4.114
21.24	Abdelkader, Esraa M.; Nassar, Khaled; Melchor, Juan; et al.	Braiding Thermoplastic and Glass Fibers in Composite Dental Post Improves Their Mechanical Compatibility, In Vitro Experiment	MATERIALS	1996-1944	2021	14(9)	2294	3.623	4.623
21.25	Ali, A. K. M. Shafaat; Ahmed, Irfan	Electrical characterization of glass fiber reinforced polymer (GFRP) composites for future metasurface antenna applications	MATERIALS RESEARCH EXPRESS	053-1591	2021	8(6)	065201	1.62	2.620
21.26	Wu Mengjin; Jia Lixia; Lu Suling; et al.	Interfacial performance of high-performance fiber-reinforced composites improved by cold plasma treatment: A review	SURFACES AND INTERFACES	2468-0230	2021	24	101077	4.837	5.837
21.27	Wang, Tingting; Shao, Jianhua; Xu, Tao; et al.	Study on Axial Compression Properties of Aluminum Foam-filled Steel Tube Members After High Temperature	IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING	2228-6160	2021	DOI: 10.1007/s40996-021-00685-w	DOI: 10.1007/s40996-021-00685-w	1.465	2.465
21.28	uang, Yingjie; Zha, Wenke; Xue, Yingying; et al.	Compressive Behaviour of Aluminium Pyramidal Lattice Material-Filled Tubes	MATERIALS	1996-1944	2021	14(14)	3817	3.623	4.623
21.29	Shen, Guoyang; Wang, Xin; Li, Dong	Mechanical Properties Analysis on a Novel Negative Poisson's Ratio Voronoi Foam-Filled Corrugated Tube Under Impact Loading	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	0370-1972	2021	258(8)	2100128	1.71	2.710
21.30	Ejegu, Hermela; Kumar, Bipin; Gupta, Priyanka	Behavior of Elastic Therapeutic Tapes under Dynamic and Static Conditions	ADVANCES IN MATERIALS SCIENCE AND ENGINEERING	1687-8434	2021	2021	6671712	1.726	2.726
21.31	Xue, Yingying; Mu, Jianhui; Huang, Yingjie; et al.	Compressive mechanical properties of ex-situ auxetic composite-filled tubes	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	2238-7854	2021	14	1644-1654	5.039	6.039
22	**E. Linul, N. Movahedi, L. Marsavina**	**The temperature effect on the axial quasi-static compressive behavior of ex-situ aluminum foam-filled tubes**	**Composite Structures**	**0263-8223**	**2017**	**180**	**709-722**	**5.407**	
22.1	Qi, C., Sun, Y., Yang, S.	A comparative study on empty and foam-filled hybrid material double-hat beams under lateral impact	Thin-Walled Structures	0263-8231	2018	129	327-341	4.442	5.442
22.2	Golewski, G.L.	An assessment of microcracks in the Interfacial Transition Zone of durable concrete composites with fly ash additives	COMPOSITE STRUCTURES	0263-8223	2018	200	515-520	5.407	6.407
22.3	Golewski, Grzegorz Ludwik	A novel specific requirements for materials used in reinforced concrete composites subjected to dynamic loads	COMPOSITE STRUCTURES	0263-8223	2019	223	110939	5.407	6.407

22.4	Su, Mingming; Wang, Han; Hao, Hai	Axial and radial compressive properties of alumina-aluminum matrix syntactic foam filled thin-walled tubes	COMPOSITE STRUCTURES	0263-8223	2019	226	111197	5.407	6.407
22.5	Xu, Jiali; Yang, Xudong; He, Chunnian; et al.	Crushing behavior and energy absorption property of carbon nanotube-reinforced aluminum composite foam-filled 6061 aluminum alloy tubes	JOURNAL OF MATERIALS SCIENCE	0022-2461	2020	55(18)	7910-7926	4.220	5.220
22.6	Wang, Han; Su, Mingming; Hao, Hai	The quasi-static axial compressive properties and energy absorption behavior of ex-situ ordered aluminum cellular structure filled tubes	COMPOSITE STRUCTURES	0263-8223	2020	239	112039	5.407	6.407
22.7	Hosseini, A.; Rahmatabadi, D.; Hashemi, R.; et al.	Experimental and numerical assessment of energy absorption capacity of thin -walled Al 5083 tube produced by PTCAP process	TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA	1003-6326	2020	30(5)	1238-1248	2.917	3.917
22.8	Movahedi, Nima; Murch, Graeme E.; Belova, Irina V.; et al.	Manufacturing and compressive properties of tube-filled metal syntactic foams	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2020	822	153465	5.316	6.316
22.9	Wang, Yonghui; Zhang, Boyi; Lu, Jingyi; et al.	Quasi-static crushing behaviour of the energy absorbing connector with polyurethane foam and multiple pleated plates	ENGINEERING STRUCTURES	0141-0296	2020	211	110404	4.471	5.471
22.10	Yang, Xudong; An, Tao; Wu, Ziqing; et al.	The effect of outer tube on quasi -static compression behavior of aluminum foam -filled tubes	COMPOSITE STRUCTURES	0263-8223	2020	245	112357	5.407	6.407
22.11	Tavares, M.; Weigand, J. M.; Vieira Jr, L. C. M.; et al.	Mechanical behavior of steel and aluminum foams at elevated temperatures. Local buckling based approach toward understanding of the material system behavior	INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES	0020-7403	2020	181	105754	5.329	6.329
22.12	Kaczynski, Pawel; Ptak, Mariusz; Gawdzinska, Katarzyna	Energy absorption of cast metal and composite foams tested in extremely low and high-temperatures	MATERIALS & DESIGN	0264-1275	2020	196	109114	7.991	8.991
22.13	Salehi, M.; Mirbagheri, S. M. H.; Ramiani, A. Jafari	Efficient energy absorption of functionally-graded metallic foam-filled tubes under impact loading	TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA	1003-6326	2021	31(1)	92-110	2.917	3.917
22.14	Kemeny, Alexandra; Leveles, Borbala; Karoly, Dora	Functional aluminium matrix syntactic foams filled with lightweight expanded clay aggregate particles	MATERIALS TODAY-PROCEEDINGS	214-7853	2021	45	-4229 4232	0	1.000
22.15	Leveles, Borbala; Kemeny, Alexandra; Szijarto, Anna	Mechanical investigation of in-situ produced aluminium matrix syntactic foam-filled tubes	MATERIALS TODAY-PROCEEDINGS	214-7853	2021	45	4221-4224	0	1.000
22.16	Fu, Xinrong; Zhang, Xiong; Huang, Zhixin	Axial crushing of Nylon and Al/Nylon hybrid tubes by FDM 3D printing	COMPOSITE STRUCTURES	0263-8223	2021	256	113055	5.407	6.407

22.17	Wang, Li; Zhang, Boyi; Zhang, Jian; et al.	Deformation and energy absorption properties of cenosphere-aluminum syntactic foam-filled tubes under axial compression	THIN-WALLED STRUCTURES	0263-8231	2021	160	107364	4.442	5.442
22.18	Novak, Nejc; Al-Ketan, Oraib; Krstulovic-Opara, Lovre; et al.	Quasi-static and dynamic compressive behaviour of sheet TPMS cellular structures	COMPOSITE STRUCTURES	0263-8223	2021	266	113801	5.407	6.407
22.19	Wang, Tingting; Shao, Jianhua; Xu, Tao; et al.	Study on Axial Compression Properties of Aluminum Foam-filled Steel Tube Members After High Temperature	IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING	2228-6160	2021	DOI: 10.1007/s40996-021-00685-w	DOI: 10.1007/s40996-021-00685-w	1.465	2.465
22.20	Huang, Yingjie; Zha, Wenke; Xue, Yingying; et al.	Compressive Behaviour of Aluminium Pyramidal Lattice Material-Filled Tubes	MATERIALS	1996-1944	2021	14(14)	3817	3.623	4.623
23	**N. Movahedi, E. Linul, L. Marsavina**	**The Temperature Effect on the Compressive Behavior of Closed-Cell Aluminum-Alloy Foams**	**Journal of Materials Engineering and Performance**	**1059-9495**	**2018**	**27(1)**	**99-108**	**1.819**	
23.1	Wang, Ningzhen; Maire, Eric; Chen, Xiang; et al.	Compressive performance and deformation mechanism of the dynamic gas injection aluminum foams	MATERIALS CHARACTERIZATION	1044-5803	2019	147	11-20	4.342	5.342
23.2	Reis, P. N. B.; Amaro, A. M.; Neto, M. A.; et al.	Effect of Hostile Solutions on Composites Laminates Subjected to Low and High Velocity Impact Loads	FIBERS AND POLYMERS	1229-9197	2019	20(1)	158-164	2.153	3.153
23.3	Szlancsik, Attila; Katona, Balint; Karoly, Dora; et al.	Notch (In)Sensitivity of Aluminum Matrix Syntactic Foams	MATERIALS	1996-1944	2019	12(4)	574	3.623	4.623
23.4	Liang, Xiaolong; Luo, Hongjie; Mu, Yongliang; et al.	Quasi-static and Dynamic Compression of Aluminum Foam at Different Temperatures	Journal of Materials Engineering and Performance	1059-9495	2019	28(8)	4952-4963	1.819	2.819
23.5	Aakash, B. S.; Bi, Sirui; Shields, Michael D.; et al.	On the high-temperature crushing of metal foams	INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES	0020-7683	2019	174	18-27	3.9	4.900
23.6	Zhang, Ping; Wang, Youqiang; Yu, Xiao; et al.	The mechanical behaviors and energy absorption mechanisms of Al-Cu-Mn alloy under dynamic penetration at wide temperature ranges and large angles	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2020	815	152188	5.316	6.316
23.7	Zhai, Gangjun; Ding, Yue; Wang, Yin; et al.	Experimental investigation of the hydrostatic compression of a hollow glass microspheres/epoxy resin under high-pressure conditions at the full ocean depth	POLYMER COMPOSITES	0272-8397	2020	41(12)	5331-5342	3.171	4.171
23.8	Song, Jiafeng; Xu, Shucai; Xu, Lihan; et al.	Experimental study on the crashworthiness of bio-inspired aluminum foam-filled tubes under axial compression loading	THIN-WALLED STRUCTURES	0263-8231	2020	155	106937	4.442	5.442

23.9	Dehnavi, Armin; Ebrahimi, Gholam Reza; Golestanipour, Masoud	Effect of SiC particles on hot deformation behavior of closed-cell Al/SiC(p)composite foams	JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING	1678-5878	2020	42(11)	554	2.22	3.220
23.10	Yan, Leilei; Su, Pengbo; Han, Yagang; et al.	Effects of Aluminum Foam Filling on Compressive Strength and Energy Absorption of Metallic Y-Shape Cored Sandwich Panel	METALS	2075-4701	2020	10(12)	1670	2.351	3.351
23.11	Zhang, Zhi-jia; Zhang, Qian-cheng; Huang, Lei; et al.	Effect of elevated temperature on the out-of-plane compressive properties of nickel based pyramidal lattice truss structures with hollow trusses	THIN-WALLED STRUCTURES	0263-8231	2021	159	107247	4.442	5.442
23.12	Wang, Li; Zhang, Boyi; Zhang, Jian; et al.	Deformation and energy absorption properties of cenosphere-aluminum syntactic foam-filled tubes under axial compression	THIN-WALLED STRUCTURES	0263-8231	2021	160	107364	4.442	5.442
23.13	Hu, Yang; Fang, Qin-Zhi; Qian, Jiong	Effect of cell structure on the uniaxial compression properties of closed-cell foam materials	MATERIALS TODAY COMMUNICATIONS	2352-4928	2021	26	102104	3.383	4.383
23.14	Amir, Abd Latif; Ishak, Mohamad Ridzwan; Yidris, Noorfaizal; et al.	Potential of Honeycomb-Filled Composite Structure in Composite Cross-Arm Component: A Review on Recent Progress and Its Mechanical Properties	POLYMERS	2073-4360	2021	13(8)	1341	4.329	5.329
23.15	Wang, Tingting; Shao, Jianhua; Xu, Tao; et al.	Study on Axial Compression Properties of Aluminum Foam-filled Steel Tube Members After High Temperature	IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING	2228-6160	2021	DOI: 10.1007/s40996-021-00685-w	DOI: 10.1007/s40996-021-00685-w	1.465	2.465
23.16	An, Jintao; Chen, Changjun; Zhang, Min	Effect of CaCO3 content change on the production of closed-cell aluminum foam by selective laser melting	OPTICS AND LASER TECHNOLOGY	0030-3992	2021	141	107097	3.867	4.867
23.17	Liu, Baodong; Huang, Xinjie; Wang, Shuo; et al.	Performance of Polyvinyl Alcohol/Bagasse Fibre Foamed Composites as Cushion Packaging Materials	COATINGS	079-6412	2021	11(9)	1094	2.881	3.881
23.18	Jain, Hemant; Gupta, Gaurav; Mondal, D. P.; et al.	Effect of particle shape on microstructure and compressive response of 316L SS foam by space holder technique	MATERIALS CHEMISTRY AND PHYSICS	0254-0584	2021	271	124924	4.094	5.094
23.19	Mazzuca, Pietro; Firmo, J. P.; Correia, J. R.; et al.	Mechanical behaviour in shear and compression at elevated temperature of polyethylene terephthalate (PET) foam	JOURNAL OF BUILDING ENGINEERING	2352-7102	2021	42	102526	5.318	6.318
24	**E. Linul, D.A. Serban, L. Marsavina**	**Influence of cell topology on mode I fracture toughness of cellular structures**	**Physical Mesomechanics**	**1029-9599**	**2018**	**21(2)**	**178-186**	**1.368**	

24.1	Jiang, X., Wang, Z., Yang, Z., Zhang, F., You, F., Yao, C.	Structural design and sound absorption properties of nitrile butadiene rubber-polyurethane foam composites with stratified structure	Polymers	2073-4360	2018	10(9)	946	4.329	5.329
24.2	Smolin, Alexey Yu.; Eremina, Galina M.; Korostelev, Sergey Yu.	Modern Methods for Describing Pore Structure of Porous Materials: A Review	AIP Conference Proceedings	0094-243X	2019	2167	20343	0	1.000
24.3	Gharib, Mohammad Reza; Vaziri, Seyyed Amirreza; Memarbashi, Ramin	Experimental and numerical investigation of concrete properties effects on fracture toughness under complex loading	MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES	1539-7734	2020	48(3)	370-382	2.286	3.286
24.4	Du, Zhongpei; Yao, Dongxu; Xia, Yongfeng; et al.	The sound absorption properties of highly porous silicon nitride ceramic foams	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2020	820	153067	5.316	6.316
24.5	Li, Ting-Ting; Dai, Wenna; Huang, Shih-Yu; et al.	Spring-like sandwich foam composites reinforced by 3D Concave-Convex structured fabric: Manufacturing and low-velocity cushion response	COMPOSITES PART B-ENGINEERING	1359-8368	2020	197	108171	9.078	10.078
24.6	Oliveira, Pablo Resende; May, Michael; Panzera, Tulio Hallak; et al.	Improved sustainable sandwich panels based on bottle caps core	COMPOSITES PART B-ENGINEERING	1359-8368	2020	199	108165	9.078	10.078
25	**M. Taherishargh, E. Linul, S. Broxtermann, T. Fiedler**	**The mechanical properties of expanded perlite-aluminium syntactic foam at elevated temperatures**	**Journal of Alloys and Compounds**	**0925-8388**	**2018**	**737**	**590-596**	**5.316**	
25.1	Rajak, D.K., Kumaraswamidhas, L.A., Das, S.	Experimental fabrication and compression analysis characterization of LM30 Al alloy foam with 5wt% SiCp at room temperature	Materials Research Express	2053-1591	2018	5(6)	066526	1.62	2.620
25.2	Pan, L., Yang, Y., Ahsan, M.U., Luong, D.D., Gupta, N., Kumar, A., Rohatgi, P.K.	Zn-matrix syntactic foams: Effect of heat treatment on microstructure and compressive properties	Materials Science and Engineering A	0921-5093	2018	731	413-422	5.234	6.234
25.3	Birla, S., Mondal, D.P., Das, S., Kulshrestha, A., Ahirwar, S.L., Venkat, A.N.C., Kumar, R.	Influence of Cell Anisotropy and Relative Density on Compressive Deformation Responses of LM13-Cenosphere Hybrid Foam	Journal of Materials Engineering and Performance	1059-9495	2018	28(1)	1-11	1.819	2.819
25.4	Ren, Facai; Tang, Xiaoying	Mechanical properties of Grade 91 steel at high temperatures	Journal of Physics Conference Series	1742-6588	2019	1168	UNSP 022013	0	1.000
25.5	Szlancsik, Attila; Katona, Balint; Karoly, Dora; et al.	Notch (In)Sensitivity of Aluminum Matrix Syntactic Foams	Materials	1996-1944	2019	12(4)	574	3.623	4.623
25.6	Yang, Xudong; Hu, Qi; Du, Juan; et al.	Compression fatigue properties of open-cell aluminum foams fabricated by space-holder method	INTERNATIONAL JOURNAL OF FATIGUE	0142-1123	2019	121	272-280	5.186	6.186
25.7	Szlancsik, Attila; Katona, Balint; Kemeny, Alexandra; et al.	On the Filler Materials of Metal Matrix Syntactic Foams	Materials	1996-1944	2019	12(12)	2023	3.623	4.623

25.8	Liang, Xiaolong; Luo, Hongjie; Mu, Yongliang; et al.	Quasi-static and Dynamic Compression of Aluminum Foam at Different Temperatures	Journal of Materials Engineering and Performance	1059-9495	2019	28(8)	4952-4963	1.819	2.819
25.9	Orbulov, Imre Norbert; Kemeny, Alexandra; Filep, Adam; et al.	Compressive characteristics of bimodal aluminium matrix syntactic foams	COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING	1359-835X	2019	124	105479	7.664	8.664
25.10	Chernousov, Andrey A.; Chan, Ben Y. B.	Oxynitride dendritic strengthening in pre-melted aluminium flakes through controlled in situ nitridation	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2019	806	841-851	5.316	6.316
25.11	Aakash, B. S.; Bi, Sirui; Shields, Michael D.; et al.	On the high-temperature crushing of metal foams	INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES	0020-7683	2019	174	18-27	3.9	4.900
25.12	Razborsek, Bostjan; Gotlih, Janez; Karner, Timi; et al.	The Influence of Machining Parameters on the Surface Porosity of a Closed-Cell Aluminium Foam	STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING	0039-2480	2020	66(1)	29-37	1.554	2.554
25.13	S-de-la-Muela, A. M.; Cambronero, L. E. G.; Ruiz-Roman, J. M.	Molten Metal Infiltration Methods to Process Metal Matrix Syntactic Foams	METALS	2075-4701	2020	10(1)	149	2.351	3.351
25.14	Rao, D. W.; Yang, Y. W.; Huang, Y.; et al.	Microstructure and compressive properties of aluminum matrix syntactic foams containing Al2O3 hollow particles	KOVOVE MATERIALY-METALLIC MATERIALS	023-432X	2020	58(6)	395-407	1.068	2.068
25.15	Yang, Xudong; Hu, Qi; Li, Weiting; et al.	Compression-compression fatigue performance of aluminium matrix composite foams reinforced by carbon nanotubes	FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES	8756-758X	2020	43(4)	744-756	3.459	4.459
25.16	Xu, Jiali; Yang, Xudong; He, Chunnian; et al.	Crushing behavior and energy absorption property of carbon nanotube-reinforced aluminum composite foam-filled 6061 aluminum alloy tubes	JOURNAL OF MATERIALS SCIENCE	0022-2461	2020	55(18)	7910-7926	4.220	5.220
25.17	Wang, Han; Su, Mingming; Hao, Hai	The quasi-static axial compressive properties and energy absorption behavior of ex-situ ordered aluminum cellular structure filled tubes	COMPOSITE STRUCTURES	0263-8223	2020	239	112039	5.407	6.407
25.18	Movahedi, Nima; Murch, Graeme E.; Belova, Irina V.; et al.	Manufacturing and compressive properties of tube-filled metal syntactic foams	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2020	822	153465	5.316	6.316
25.19	Pan, Liwen; Rao, Dewang; Yang, Yiwang; et al.	Gravity casting of aluminum-Al2O3 hollow sphere syntactic foams for improved compressive properties	JOURNAL OF POROUS MATERIALS	1380-2224	2020	27(4)	1127-1137	2.496	3.496
25.20	Islam, M. A.; Kader, M. A.; Hazell, P. J.; et al.	Effects of impactor shape on the deformation and energy absorption of closed cell aluminium foams under low velocity impact	MATERIALS & DESIGN	0264-1275	2020	191	108599	7.991	8.991
25.21	Duarte, Isabel; Fiedler, Thomas; Krstulovic-Opara, Lovre; et al.	Brief Review on Experimental and Computational Techniques for Characterization of Cellular Metals	METALS	2075-4701	2020	10(6)	726	2.351	3.351

25.22	Oliveira, Mylena L.; Orlando, Diego; Mulinari, Daniella R.	Aluminum Powder Reinforced Polyurethane Foams Derived from Castor Oil	JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS	1574-1443	2020	30(12)	5157-5167	3.543	4.543
25.23	Orbulov, Imre Norbert; Szlancsik, Attila; Kemeny, Alexandra; et al.	Compressive mechanical properties of low-cost, aluminium matrix syntactic foams	COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING	1359-835X	2020	135	105923	7.664	8.664
25.24	Yang, Xudong; An, Tao; Wu, Ziqing; et al.	The effect of outer tube on quasi -static compression behavior of aluminum foam -filled tubes	COMPOSITE STRUCTURES	0263-8223	2020	245	112357	5.407	6.407
25.25	Tavares, M.; Weigand, J. M.; Vieira Jr, L. C. M.; et al.	Mechanical behavior of steel and aluminum foams at elevated temperatures. Local buckling based approach toward understanding of the material system behavior	INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES	0020-7403	2020	181	105754	5.329	6.329
25.26	Song, Jiafeng; Xu, Shucai; Xu, Lihan; et al.	Experimental study on the crashworthiness of bio-inspired aluminum foam-filled tubes under axial compression loading	THIN-WALLED STRUCTURES	0263-8231	2020	155	106937	4.442	5.442
25.27	Dehnavi, Armin; Ebrahimi, Gholam Reza; Golestanipour, Masoud	Effect of SiC particles on hot deformation behavior of closed-cell Al/SiC(p)composite foams	JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING	1678-5878	2020	42(11)	554	2.22	3.220
25.28	Yan, Leilei; Su, Pengbo; Han, Yagang; et al.	Effects of Aluminum Foam Filling on Compressive Strength and Energy Absorption of Metallic Y-Shape Cored Sandwich Panel	METALS	2075-4701	2020	10(12)	1670	2.351	3.351
25.29	Bolat, Cagin; Bilge, Gokhan; Goksenli, Ali	An Investigation on the Effect of Heat Treatment on the Compression Behavior of Aluminum Matrix Syntactic Foam Fabricated by Sandwich Infiltration Casting	MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS	1516-1439	2021	24(2)	DOI: 10.1590/1980-5373-MR-	1.524	2.524
25.30	Zhang, Zhi-jia; Zhang, Qian-cheng; Huang, Lei; et al.	Effect of elevated temperature on the out-of-plane compressive properties of nickel based pyramidal lattice truss structures with hollow trusses	THIN-WALLED STRUCTURES	0263-8231	2021	159	107247	4.442	5.442
25.31	Amir, Abd Latif; Ishak, Mohamad Ridzwan; Yidris, Noorfaizal; et al.	Potential of Honeycomb-Filled Composite Structure in Composite Cross-Arm Component: A Review on Recent Progress and Its Mechanical Properties	POLYMERS	2073-4360	2021	13(8)	1341	4.329	5.329
25.32	Bolat, Cagin; Akgun, Ismail Cem; Goksenli, Ali	EFFECT OF AGING HEAT TREATMENT ON COMPRESSIVE CHARACTERISTICS OF BIMODAL ALUMINUM SYNTACTIC FOAMS PRODUCED BY COLD CHAMBER DIE CASTING	INTERNATIONAL JOURNAL OF METALCASTING	1939-5981	2021	DOI: 10.1007/s40962-021-00629-0	DOI: 10.1007/s40962-021-00629-0	1.805	2.805

25.33	Zhang, Boyi; Zhang, Jian; Wang, Li; et al.	Bending behavior of cenosphere aluminum matrix syntactic foam-filled circular tubes	ENGINEERING STRUCTURES	0141-0296	2021	243	112650	4.471	5.471
25.34	Zhang, Zhi-jia; Huang, Lei; Li, Bin-chao; et al.	Design of a novel multi-walled tube-reinforced aluminum foam for energy absorption	COMPOSITE STRUCTURES	0263-8223	2021	276	114584	5.407	6.407
26	**E. Linul, N. Movahedi, L. Marsavina**	**On the Lateral Compressive Behavior of Empty and Ex-Situ Aluminum Foam-Filled Tubes at High Temperature**	**Materials**	**1996-1944**	**2018**	**11(4)**	**554**	**3.623**	
26.1	Papantoniou, Ioannis G.; Markopoulos, Angelos P.; Pantelis, Dimitrios I.; Manolakos, DE	Application of Aluminium Flakes in Fabrication of Open-Cell Aluminium Foams by Space Holder Method	Materials	1996-1944	2018	11(8)	1420	3.623	4.623
26.2	Yang, Zhihong; Chen, Nan; Qin, Xiaomei	Fabrication of Porous Al2O3 Ceramics with Submicron-Sized Pores Using a Water-Based Gelcasting Method	Materials	1996-1944	2018	11(9)	1784	3.623	4.623
26.3	Xu, Rui; Bouby, Celine; Zahrouni, Hamid; Ben Zineb, T; Hu, H; Potier-Ferry, M	A Multiscale Analysis on the Superelasticity Behavior of Architected Shape Memory Alloy Materials	Materials	1996-1944	2018	11(9)	1746	3.623	4.623
26.4	Ge, Tiejun; Tang, Kaihong; Yu, Yang; Tan, XP	Preparation and Properties of the 3-pentadecyl-phenol In Situ Modified Foamable Phenolic Resin	Polymers	2073-4360	2018	10(10)	1124	4.329	5.329
26.5	Dang, Alei; Zhao, Zhao; Tang, Chen; et al.	Effect of Phenolic Resin on Micropores Development in Carbon Foam with High Performance	Materials	1996-1944	2019	12(8)	1213	3.623	4.623
26.6	Stiapis, Christos S.; Skouras, Eugene D.; Burganos, Vasilis N.	Advanced Laguerre Tessellation for the Reconstruction of Ceramic Foams and Prediction of Transport Properties	Materials	1996-1944	2019	12(7)	1137	3.623	4.623
26.7	Liang, Minzu; Li, Xiangyu; Lin, Yuliang; et al.	Dynamic Compressive Behaviors of Two-Layer Graded Aluminum Foams under Blast Loading	Materials	1996-1944	2019	12(9)	1445	3.623	4.623
26.8	Szlancsik, Attila; Katona, Balint; Kemeny, Alexandra; et al.	On the Filler Materials of Metal Matrix Syntactic Foams	Materials	1996-1944	2019	12(12)	2023	3.623	4.623
26.9	Zhang, Ping; Wang, Youqiang; Yu, Xiao; et al.	The mechanical behaviors and energy absorption mechanisms of Al-Cu-Mn alloy under dynamic penetration at wide temperature ranges and large angles	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2020	815	152188	5.316	6.316
26.10	Wang, Linning; Liu, Yuan; Liang, Jingjing	Effect of Rejuvenation Heat Treatment on the Creep Property and Microstructural Evolution of a Ni-Base Superalloy	APPLIED SCIENCES-BASEL	2076-3417	2020	10(3)	1187	2.679	3.679

26.11	Xu, Jiali; Yang, Xudong; He, Chunnian; et al.	Crushing behavior and energy absorption property of carbon nanotube-reinforced aluminum composite foam-filled 6061 aluminum alloy tubes	JOURNAL OF MATERIALS SCIENCE	0022-2461	2020	55(18)	7910-7926	4.22	5.220
26.12	Movahedi, Nima; Orbulov, Imre Norbert; Kemeny, Alexandra; et al.	Fatigue characterization of functionally graded ZA27 alloy syntactic foams	MATERIALS SCIENCE AND ENGINEERING A	0921-5093	2020	798	140255	5.234	6.234
26.13	Linn, Renato V.; Oliveira, Branca F.	Mechanical characterization of axially compressed metallic foams containing periodic rectangular holes with FEM analysis and analytical considerations	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2020	DOI: 10.1080/15376494.2020.184	DOI: 10.1080/15376494.2020.184	4.030	5.030
26.14	Salehi, M.; Mirbagheri, S. M. H.; Ramiani, A. Jafari	Efficient energy absorption of functionally-graded metallic foam-filled tubes under impact loading	TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA	1003-6326	2021	31(1)	92-110	2.917	3.917
26.15	Liu, Dong; Zou, Longqing; Chang, Qianqian; et al.	Preparation and properties of rigid polyurethane foams added with graphene oxide-hollow glass microspheres hybrid	DESIGNED MONOMERS AND POLYMERS	1385-772X	2021	24(1)	208-21	2.65	3.650
26.16	Fu, Xinrong; Zhang, Xiong; Huang, Zhixin	Axial crushing of Nylon and Al/Nylon hybrid tubes by FDM 3D printing	COMPOSITE STRUCTURES	0263-8223	2021	256	113055	5.407	6.407
26.17	Wang, Li; Zhang, Boyi; Zhang, Jian; et al.	Deformation and energy absorption properties of cenosphere-aluminum syntactic foam-filled tubes under axial compression	THIN-WALLED STRUCTURES	0263-8231	2021	160	107364	4.442	5.442
26.18	Kahraman, Yasar; Akdikmen, Ortac	Experimental investigation on deformation behavior and energy absorption capability of nested steel tubes under lateral loading	ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH	215-0986	2021	24(2)	579-588	4.36	5.360
26.19	Wang, Tingting; Shao, Jianhua; Xu, Tao; et al.	Study on Axial Compression Properties of Aluminum Foam-filled Steel Tube Members After High Temperature	IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING	2228-6160	2021	DOI: 10.1007/s40996-021-00685-w	DOI: 10.1007/s40996-021-00685-w	1.465	2.465
26.20	Szlancsik, Attila; Orbulov, Imre Norbert	Compressive properties of metal matrix syntactic foams in uni- and triaxial compression	MATERIALS SCIENCE AND ENGINEERING A	0921-5093	2021	827	142081	5.234	6.234
27	**E. Linul, N. Movahedi, L. Marsavina**	**The temperature and anisotropy effect on compressive behavior of cylindrical closed-cell aluminum-alloy foams, Journal of Alloys and Compounds**	**Journal of Alloys and Compounds**	**0925-8388**	**2018**	**740**	**1172-1179**	**4.65**	
27.1	Rajak, D.K., Kumaraswamidhas, L.A., Das, S.	Experimental fabrication and compression analysis characterization of LM30 Al alloy foam with 5wt% SiCp at room temperature	Materials Research Express	2053-1591	2018	5(6)	066526	1.62	2.620

27.2	Hu, L., Ngai, T., Peng, H., Li, L., Zhou, F., Peng, Z.	Microstructure and properties of porous high-N Ni-free austenitic stainless steel fabricated by powder metallurgical route	Materials	1996-1944	2018	11(7)	1058	3.623	4.623
27.3	Yang, Z., Chen, N., Qin, X.	Fabrication of porous Al2 O3 ceramics with submicron-sized pores using a water-based gelcasting method	Materials	1996-1944	2018	11(9)	1784	3.623	4.623
27.4	Pascual, B.S., Vallejos, S., Ramos, C., Sanz, M.T., Ruiz, J.A.R., García, F.C., García, J.M.	Sensory polymeric foams as a tool for improving sensing performance of sensory polymers	Sensors (Switzerland)	1424-8220	2018	18(12)	4378	3.576	4.576
27.5	Zhao, Miao; Liu, Fei; Fu, Guang; et al.	Improved Mechanical Properties and Energy Absorption of BCC Lattice Structures with Triply Periodic Minimal Surfaces Fabricated by SLM	Materials	1996-1944	2018	11(12)	2411	3.623	4.623
27.6	Zhang, Bingbing; Hu, Shuangqi; Fan, Zhiqiang	Anisotropic Compressive Behavior of Functionally Density Graded Aluminum Foam Prepared by Controlled Melt Foaming Process	Materials	1996-1944	2018	11(12)	2470	3.623	4.623
27.7	Birla, S., Mondal, D.P., Das, S., Kulshrestha, A., Ahirwar, S.L., Venkat, A.N.C., Kumar, R.	Influence of Cell Anisotropy and Relative Density on Compressive Deformation Responses of LM13-Cenosphere Hybrid Foam	Journal of Materials Engineering and Performance	1059-9495	2018	28(1)	1-11	1.819	2.819
27.8	Szlancsik, Attila; Katona, Balint; Karoly, Dora; et al.	Notch (In)Sensitivity of Aluminum Matrix Syntactic Foams	Materials	1996-1944	2019	12(4)	574	3.623	4.623
27.9	Yang, Xudong; Hu, Qi; Du, Juan; et al.	Compression fatigue properties of open-cell aluminum foams fabricated by space-holder method	INTERNATIONAL JOURNAL OF FATIGUE	0142-1123	2019	121	272-280	5.186	6.186
27.10	Avalle, Massimiliano; Belingardi, Giovanni	A Mechanical Model of Cellular Solids for Energy Absorption	ADVANCED ENGINEERING MATERIALS	1438-1656	2019	21(4)	1800457	3.862	4.862
27.11	Wang, Han; Fu, Yu; Su, Mingming; et al.	Effect of structure design on compressive properties and energy absorption behavior of ordered porous aluminum prepared by rapid casting	MATERIALS & DESIGN	0264-1275	2019	167	107631	7.991	8.991
27.12	Sharma, Varun; Grujovic, Nenad; Zivic, Fatima; et al.	Influence of Porosity on the Mechanical Behavior during Uniaxial Compressive Testing on Voronoi-Based Open-Cell Aluminium Foam	MATERIALS	1996-1944	2019	12(7)	1041	3.623	4.623
27.13	Sharma, Varun; Zivic, Fatima; Grujovic, Nenad; et al.	Numerical Modeling and Experimental Behavior of Closed-Cell Aluminum Foam Fabricated by the Gas Blowing Method under Compressive Loading	MATERIALS	1996-1944	2019	12(10)	1582	3.623	4.623
27.14	Szlancsik, Attila; Katona, Balint; Kemeny, Alexandra; et al.	On the Filler Materials of Metal Matrix Syntactic Foams	MATERIALS	1996-1944	2019	12(12)	2023	3.623	4.623
27.15	Liang, Xiaolong; Luo, Hongjie; Mu, Yongliang; et al.	Quasi-static and Dynamic Compression of Aluminum Foam at Different Temperatures	Journal of Materials Engineering and Performance	1059-9495	2019	28(8)	4952-4963	1.819	2.819
27.16	Liu, Hu; Ding, Shirun; Ng, Bing Feng	Impact response and energy absorption of functionally graded foam under temperature gradient environment	COMPOSITES PART B-ENGINEERING	1359-8368	2019	172	516-532	9.078	10.078
27.17	Aakash, B. S.; Bi, Sirui; Shields, Michael D.; et al.	On the high-temperature crushing of metal foams	INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES	0020-7683	2019	174	18-27	3.9	4.900

27.18	Ren, Cheng-Xu; Hu, Zheng-Fei; Yao, Cheng; et al.	Experimental study on the quasi-static compression behavior of multilayer aluminum foam sandwich structure	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2019	810	UNSP 151860	5.316	6.316
27.19	Hughes, David; Amalu, Emeka H.; Pak, Tannaz; et al.	Effect of Relative Density on Compressive Load Response of Crumpled Aluminium Foil Mesh	MATERIALS	1996-1944	2019	12(23)	4018	3.623	4.623
27.20	Kemeny, A.; Katona, B.; Movahedi, N.; et al.	Fatigue tests of zinc aluminium matrix syntactic foams filled with expanded perlite	IOP Conference Series-Materials Science and Engineering	1757-8981	2020	903	12050	0	1.000
27.21	Zhang, Ping; Wang, Youqiang; Yu, Xiao; et al.	The mechanical behaviors and energy absorption mechanisms of Al-Cu-Mn alloy under dynamic penetration at wide temperature ranges and large angles	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2020	815	152188	5.316	6.316
27.22	Xu, Zhenpeng; Ha, Chan Soo; Kadam, Ruthvik; et al.	Additive manufacturing of two-phase lightweight, stiff and high damping carbon fiber reinforced polymer microlattices	ADDITIVE MANUFACTURING	2214-8604	2020	32	101106	10.998	11.998
27.23	Lei, Zhen; Zhao, Mingsheng	Experimental Study on the Dynamic Behavior of Running Crack Affected by Defect Shape and Filling Material	SHOCK AND VIBRATION	1070-9622	2020	2020	8495058	1.543	2.543
27.24	Mudassir, Mohammed; Tarlochan, Faris; Mansour, Mahmoud Ashraf	Nature-Inspired Cellular Structure Design for Electric Vehicle Battery Compartment: Application to Crashworthiness	APPLIED SCIENCES-BASEL	2076-3417	2020	10(13)	4532	2.679	3.679
27.25	Zhang, Yong; Yan, Xiaogang; Huang, Wenzhen; et al.	Experimental investigations on mechanical behavior of the carbon fiber tube reinforced polyurethane foam	THIN-WALLED STRUCTURES	0263-8231	2020	155	106899	4.442	5.442
27.26	Dehnavi, Armin; Ebrahimi, Gholam Reza; Golestanipour, Masoud	Effect of SiC particles on hot deformation behavior of closed-cell Al/SiC(p)composite foams	JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING	1678-5878	2020	42(11)	554	2.22	3.220
27.27	Hu, Yang; Fang, Qin-Zhi; Qian, Jiong	Effect of cell structure on the uniaxial compression properties of closed-cell foam materials	MATERIALS TODAY COMMUNICATIONS	2352-4928	2021	26	102104	3.383	4.383
27.28	Wang, Han; Su, Mingming; Hao, Hai	Compressive properties and energy absorption behavior of Mg17Al12/Al ordered structure composites	COMPOSITES PART B-ENGINEERING	1359-8368	2021	210	108688	9.078	10.078
27.29	Guo, Qian; Li, Wenbin; Yao, Wenjin; et al.	Mechanical Properties and Constitutive Model Applied to the High-Speed Impact of Aluminum Foam That Considers Its Meso-Structural Parameters	MATERIALS	1996-1944	2021	14(20)	6206	3.623	4.623
28	**N. Movahedi, E. Linul**	**Mechanical properties of Light Expanded Clay Aggregated (LECA) filled tubes**	**Materials Letters**	**0167-577X**	**2018**	**217**	**194-197**	**3.204**	

28.1	Garcia-Martin, R., Bautista-De Castro, Á., Sánchez-Aparicio, L.J., Fueyo, J., Gonzalez-Aguilera, D.	Combining digital image correlation and probabilistic approaches for the reliability analysis of composite pressure vessels	Archives of Civil and Mechanical Engineering	1644-9665	2019	19(1)	224-239	4.369	5.369
28.2	Ahmad, Muhammad Riaz; Chen, Bing; Shah, Syed Farasat Ali	Investigate the influence of expanded clay aggregate and silica fume on the properties of lightweight concrete	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2019	220	253-266	6.141	7.141
28.3	Ghorbani, Ali; Rabanifar, Hakimeh	The Effect of Lightweight Expanded Clay Aggregate on the Mitigation of Liquefaction in Shaking Table	GEOTECHNICAL AND GEOLOGICAL ENGINEERING	0960-3182	2021	39(3)	1861-1875	0	1.000
28.4	Ghahremani, Aysan; Manteghian, Mehrdad; Kazemzadeh, Hamid	Removing lead from aqueous solution by activated carbon nanoparticle impregnated on lightweight expanded clay aggregate	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2213-3437	2021	9(1)	104478	5.909	6.909
28.5	Movahedi, Nima; Vesenjak, Matej; Belova, Irina, V; et al.	Dynamic compression of functionally-graded metal syntactic foams	COMPOSITE STRUCTURES	0263-8223	2021	261	113308	5.407	6.407
28.6	Yin, Hanfeng; Tan, Dingwen; Wen, Guilin; et al.	Crashworthiness analysis and optimization design of TPMS-filled structure	INTERNATIONAL JOURNAL OF CRASHWORTHINESS	1358-8265	2021	DOI: 10.1080/13588265.2021.1959171	DOI: 10.1080/13588265.2021.1959171	2.055	3.055
28.7	Szlancsik, Attila; Orbulov, Imre Norbert	Compressive properties of metal matrix syntactic foams in uni- and triaxial compression	MATERIALS SCIENCE AND ENGINEERING A	0921-5093	2021	827	142081	5.234	6.234
29	**M.R.M. Aliha, E. Linul, A. Bahmani, L. Marsavina**	**Experimental and theoretical fracture toughness investigation of PUR foams under mixed mode I+III loading**	**Polymer Testing**	**0142-9418**	**2018**	**67**	**75-83**	**3.275**	
29.1	Ghouli, S., Ayatollahi, M.R., Bushroa, A.R.	Fracture characterization of ceria partially stabilized zirconia using the GMTSN criterion	Engineering Fracture Mechanics	0013-7944	2018	199	647-657	4.406	5.406
29.2	Kwon, DJ; Kim, JH; Park, SM; Kwon, IJ; Park, JM	Investigation of Compressive Strength and Foaming Characteristics of Acid Anhydride Epoxy Foam by Foaming Agent	COMPOSITES RESEARCH	2288-2111	2018	31(4)	133-138	0	1.000
29.3	Aliha, M.R.M., Razmi, A., Mousavi, A.	Fracture study of concrete composites with synthetic fibers additive under modes I and III using ENDB specimen	Construction and Building Materials	0950-0618	2018	190	612-622	6.141	7.141
29.4	Demirel, Samet; Ergun Tuna, Busra	Constant-Fatigue Performance of Different Polyurethane Foams for Sitting Purposes	KASTAMONU UNIVERSITY JOURNAL OF FORESTRY FACULTY	1303-2399	2019	19(2)	225-234	0	1.000
29.5	Aliha, M.R.M., Shaker, S., Keymanesh, M.R.	Low temperature fracture toughness study for bitumen under mixed mode I + II loading condition	Engineering Fracture Mechanics	0013-7944	2019	206	297-309	4.406	5.406
29.6	Li, J.; Xie, Y. J.; Zheng, X. Y.; et al.	Underlying fracture trends and triggering on Mode-II crack branching and kinking for quasi-brittle solids	Engineering Fracture Mechanics	0013-7944	2019	211	382-400	4.406	5.406

29.7	Gharib, Mohammad Reza; Vaziri, Seyyed Amirreza; Memarbashi, Ramin	Experimental and numerical investigation of concrete properties effects on fracture toughness under complex loading	MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES	1539-7734	2020	48(3)	370-382	2.286	3.286
29.8	Jin, Fan-Long; Zhao, Miao; Park, Mira; et al.	Recent Trends of Foaming in Polymer Processing: A Review	Polymers	2073-4360	2019	11(6)	953	4.329	5.329
29.9	Golewski, Grzegorz Ludwik	A new principles for implementation and operation of foundations for machines: A review of recent advances	STRUCTURAL ENGINEERING AND MECHANICS	1225-4568	2019	71(3)	317-327	3.524	4.524
29.10	Golewski, Grzegorz Ludwik	A novel specific requirements for materials used in reinforced concrete composites subjected to dynamic loads	COMPOSITE STRUCTURES	0263-8223	2019	223	110939	5.407	6.407
29.11	Aliha, M. R. M.; Ghazi, Hussein; Ataei, Farkhondeh	Experimental fracture resistance study for cracked bovine femur bone samples	FRATTURA ED INTEGRITA STRUTTURALE	1971-8993	2019	50	602-612	0	1.000
29.12	Qiu, Dacheng; He, Yannan; Yu, Zhiqiang	Investigation on Compression Mechanical Properties of Rigid Polyurethane Foam Treated under Random Vibration Condition: An Experimental and Numerical Simulation Study	MATERIALS	1996-1944	2019	12(20)	3385	3.623	4.623
29.13	Wang, Jian; Liu, Zhiyi; Bai, Song; et al.	Microstructure and Three-Point Bending Fatigue Behavior of Al-Cu-Mg-Ag Alloys with Various Mg Contents	Journal of Materials Engineering and Performance	1059-9495	2019	28(11)	6614-6625	1.819	2.819
29.14	Mousavi, S. S.; Aliha, M. R. M.; Imani, D. M.	On the use of edge cracked short bend beam specimen for PMMA fracture toughness testing under mixed-mode I/II	Polymer Testing	0142-9418	2020	81	106199	4.282	5.282
29.15	Emori, Kanako; Fushimi, Shugo; Miura, Tatsuma; et al.	FEM simulation of polymeric foam with random pore structure: Uniaxial compression with loading rate effect	Polymer Testing	0142-9418	2020	82	106303	4.282	5.282
29.16	Du, Zhongpei; Yao, Dongxu; Xia, Yongfeng; et al.	The sound absorption properties of highly porous silicon nitride ceramic foams	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2020	820	153067	5.316	6.316
29.17	Bahmani, A.; Aliha, M. R. M.; Sarbijan, M. Jebalbarezi; et al.	An extended edge-notched disc bend (ENDB) specimen for mixed-mode I plus II fracture assessments	INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES	0020-7683	2020	193	239-250	3.9	4.900
29.18	Zhang, Zhitao; Wang, Haijun; Yu, Shuyang	Numerical Simulation of Fracture Behavior of Brittle Solids under I/III Loading	ADVANCES IN CIVIL ENGINEERING	1687-8086	2020	2020	8612784	1.924	2.924
29.19	Hua, Wen; Huang, Jiuzhou; Pan, Xin; et al.	An extended maximum tangential strain energy density criterion considering T-stress for combined mode I-III brittle fracture	Fatigue and Fracture of Engineering Materials and Structures	8756-758X	2021	44(1)	169-181	3.459	4.459
29.20	Zhou, Xiaoping; Wang, Longfei; Shou, Yundong	Understanding the fracture mechanism of ring Brazilian disc specimens by the phase field method	INTERNATIONAL JOURNAL OF FRACTURE	0376-9429	2020	226(1)	17-43	2.374	3.374
29.21	Aliha, M. R. M.; Pour, Pegah Jafari Haghighat	Fracture resistance study for hot mix asphalt mixture under out of plane sliding mode	ENGINEERING FRACTURE MECHANICS	0013-7944	2020	238	107230	4.406	5.406

29.22	Miralbes, R.; Ranz, D.; Pascual, F. J.; et al.	Characterization of additively manufactured triply periodic minimal surface structures under compressive loading	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2020	DOI: 10.1080/15376494.2020.1842948	DOI: 10.1080/15376494.2020.1842948	4.030	5.030
29.23	Fakhri, Mansour; Siyadati, Sayyed Ali; Aliha, M. R. M.	Impact of freeze-thaw cycles on low temperature mixed mode I/II cracking properties of water saturated hot mix asphalt: An experimental study	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2020	261	119939	6.141	7.141
29.24	Najjar, Shima; Moghaddam, Abolfazl Mohammadzadeh; Sahaf, Ali; et al.	Low temperature fracture resistance of cement emulsified asphalt mortar under mixed mode I/III loading	THEORETICAL AND APPLIED FRACTURE MECHANICS	0167-8442	2020	110	102800	4.017	5.017
29.25	Bahmani, A.; Farahmand, F.; Janbaz, M. R.; et al.	On the comparison of two mixed-mode I plus III fracture test specimens	ENGINEERING FRACTURE MECHANICS	0013-7944	2021	241	107434	4.406	5.406
29.26	Golewski, Grzegorz Ludwik	On the special construction and materials conditions reducing the negative impact of vibrations on concrete structures	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	45	4344-4348	0	1.000
29.27	Pietras, D.; Aliha, MRM.; Sadowski, T.	Mode III fracture toughness testing and numerical modeling for aerated autoclaved concrete using notch cylinder specimen subjected to torsion	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	45	-4326 4329	0	1.000
29.28	Golewski, Grzegorz Ludwik	The Beneficial Effect of the Addition of Fly Ash on Reduction of the Size of Microcracks in the ITZ of Concrete Composites under Dynamic Loading	ENERGIES	1996-1073	2021	14(3)	668	3.004	4.004
29.29	Wiangkham, Attasit; Ariyarit, Atthaphon; Aengchuan, Prasert	Prediction of the mixed mode I/II fracture toughness of PMMA by an artificial intelligence approach	THEORETICAL AND APPLIED FRACTURE MECHANICS	0167-8442	2021	112	102910	4.017	5.017
29.30	Mirsayar, M. M.	On the effective critical distances in three-dimensional brittle fracture via a strain-based framework	ENGINEERING FRACTURE MECHANICS	0013-7944	2021	248	107740	4.406	5.406
29.31	Mousavi, Seyed Roohollah; Afshoon, Iman; Bayatpour, Mohammad Ali; et al.	Effect of waste glass and curing aging on fracture toughness of self-compacting mortars using ENDB specimen	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2021	282	122711	6.141	7.141
29.32	Gan, Zhiqiang; Pan, Xin; Tang, Huaizi; et al.	Experimental investigation on mixed mode I-III fracture characteristics of sandstone corroded by periodic acid solution	THEORETICAL AND APPLIED FRACTURE MECHANICS	0167-8442	2021	114	103034	4.017	5.017
29.33	Mohammad Aliha, Mohammad Reza; Ghesmati Kucheki, Hadi; Asadi, Mohammad Mahdi	On the use of different diametral compression cracked disc shape specimens for introducing mode III deformation	Fatigue and Fracture of Engineering Materials and Structures	8756-758X	2021	44(11)	3135-3151	3.459	4.459
29.34	Saed, Seyed Ataollah; Karimi, Hamid Reza; Rad, Sina Mousavi; et al.	Full range I/II fracture behavior of asphalt mixtures containing RAP and rejuvenating agent using two different 3-point bend type configurations	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2021	314	125590	6.141	7.141

30	J. Kovacik, L. Marsavina, E. Linul	Poisson's Ratio of Closed-Cell Aluminium Foams	Materials	1996-1944	2018	11(10)	1904	3.057	
30.1	Zhang, Bingbing; Hu, Shuangqi; Fan, Zhiqiang	Anisotropic Compressive Behavior of Functionally Density Graded Aluminum Foam Prepared by Controlled Melt Foaming Process	MATERIALS	1996-1944	2018	11(12)	2470	3.623	4.623
30.2	Dang, Alei; Zhao, Zhao; Tang, Chen; et al.	Effect of Phenolic Resin on Micropores Development in Carbon Foam with High Performance	MATERIALS	1996-1944	2019	12(8)	1213	3.623	4.623
30.3	Liang, Minzu; Li, Xiangyu; Lin, Yuliang; et al.	Dynamic Compressive Behaviors of Two-Layer Graded Aluminum Foams under Blast Loading	MATERIALS	1996-1944	2019	12(9)	1445	3.623	4.623
30.4	Sharma, Varun; Zivic, Fatima; Grujovic, Nenad; et al.	Numerical Modeling and Experimental Behavior of Closed-Cell Aluminum Foam Fabricated by the Gas Blowing Method under Compressive Loading	MATERIALS	1996-1944	2019	12(10)	1582	3.623	4.623
30.5	Szlancsik, Attila; Katona, Balint; Kemeny, Alexandra; et al.	On the Filler Materials of Metal Matrix Syntactic Foams	MATERIALS	1996-1944	2019	12(12)	2023	3.623	4.623
30.6	Navasa, Maria; Miao, Xing-Yuan; Frandsen, Henrik Lund	A fully-homogenized multiphysics model for a reversible solid oxide cell stack	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	0360-3199	2019	44(41)	23330-23347	5.816	6.816
30.7	Parashkevova, Ludmila	CHARACTERIZATION OF POROUS MEDIA BY A SIZE SENSITIVE HOMOGENIZATION APPROACH	JOURNAL OF THEORETICAL AND APPLIED MECHANICS-BULGARIA	0861-6663	2020	50(4)	338-353	0	1.000
30.8	Das, Sourav; Rajak, Dipen Kumar; Khanna, Sanjeev; et al.	Energy Absorption Behavior of Al-SiC-Graphene Composite Foam under a High Strain Rate	MATERIALS	1996-1944	2020	13(3)	783	3.623	4.623
30.9	Snarskii, Andrei A.; Shamonin, Mikhail; Yuskevich, Pavel	Effective Medium Theory for the Elastic Properties of Composite Materials with Various Percolation Thresholds	MATERIALS	1996-1944	2020	13(5)	1243	3.623	4.623
30.10	Golewski, Grzegorz Ludwik	Energy Savings Associated with the Use of Fly Ash and Nanoadditives in the Cement Composition	ENERGIES	1996-1073	2020	13(9)	2184	3.004	4.004
30.11	Golewski, Grzegorz Ludwik	Changes in the Fracture Toughness under Mode II Loading of Low Calcium Fly Ash (LCFA) Concrete Depending on Ages	MATERIALS	1996-1944	2020	13(22)	5241	3.623	4.623
30.12	Szostak, Bartosz; Golewski, Grzegorz Ludwik	Improvement of Strength Parameters of Cement Matrix with the Addition of Siliceous Fly Ash by Using Nanometric C-S-H Seeds	ENERGIES	1996-1073	2020	13(24)	6734	3.004	4.004
30.13	Golewski, Grzegorz Ludwik; Gil, Damian Marek	Studies of Fracture Toughness in Concretes Containing Fly Ash and Silica Fume in the First 28 Days of Curing	MATERIALS	1996-1944	2021	14(2)	319	3.623	4.623
30.14	Changdar, Anirban; Chakraborty, Shitanshu Shekhar	Laser processing of metal foam - A review	JOURNAL OF MANUFACTURING PROCESSES	1526-6125	2021	61	208-225	5.01	6.010
30.15	Kugler, St; Fotiu, P. A.; Murin, J.	A novel GBT-formulation for thin-walled FGM-beam-structures based on a reference beam problem	COMPOSITE STRUCTURES	0263-8223	2021	257	113158	5.407	6.407

30.16	Golewski, Grzegorz Ludwik	The Beneficial Effect of the Addition of Fly Ash on Reduction of the Size of Microcracks in the ITZ of Concrete Composites under Dynamic Loading	ENERGIES	1996-1073	2021	14(3)	668	3.004	4.004
30.17	Opiela, Kamil C.; Zielinski, Tomasz G.; Dvorak, Tomas; et al.	Perforated closed-cell aluminium foam for acoustic absorption	APPLIED ACOUSTICS	0003-682X	2021	174	107706	2.639	3.639
30.18	Hu, Yang; Fang, Qin-Zhi; Qian, Jiong	Effect of cell structure on the uniaxial compression properties of closed-cell foam materials	MATERIALS TODAY COMMUNICATIONS	2352-4928	2021	26	102104	3.383	4.383
30.19	Bolzoni, L.; Carson, J. K.; Yang, F.	Combinatorial structural-analytical models for the prediction of the mechanical behaviour of isotropic porous pure metals	ACTA MATERIALIA	1359-6454	2021	207	116664	8.203	9.203
30.20	Bikos, D.; Samaras, G.; Cann, P.; et al.	Effect of micro-aeration on the mechanical behaviour of chocolates and implications for oral processing	FOOD & FUNCTION	2042-6496	2021	12(11)	4864-4886	5.396	6.396
30.21	Strek, Anna M.; Lasowicz, Natalia; Kwiecien, Arkadiusz; et al.	Highly Dissipative Materials for Damage Protection against Earthquake-Induced Structural Pounding	MATERIALS	1996-1944	2021	14(12)	3231	3.623	4.623
30.22	Szostak, Bartosz; Golewski, Grzegorz Ludwik	Rheology of Cement Pastes with Siliceous Fly Ash and the CSH Nano-Admixture	MATERIALS	1996-1944	2021	14(13)	3640	3.623	4.623
30.23	Golewski, Grzegorz Ludwik	Evaluation of fracture processes under shear with the use of DIC technique in fly ash concrete and accurate measurement of crack path lengths with the use of a new crack tip tracking method	MEASUREMENT	0263-2241	2021	181	109632	3.927	4.927
30.24	Golewski, Grzegorz Ludwik	Green Concrete Based on Quaternary Binders with Significant Reduced of CO2 Emissions	ENERGIES	1996-1073	2021	14(15)	4558	3.004	4.004
30.25	Taylor, Spencer, V; Moustafa, Abdel R.; Cordero, Zachary C.	Interpenetrating Lattices with Tailorable Energy Absorption in Tension	ACTA MATERIALIA	1359-6454	2021	216	117115	8.203	9.203
30.26	Golewski, Grzegorz Ludwik; Szostak, Bartosz	Application of the C-S-H Phase Nucleating Agents to Improve the Performance of Sustainable Concrete Composites Containing Fly Ash for Use in the Precast Concrete Industry	MATERIALS	1996-1944	2021	14(21)	6514	3.623	4.623
31	**E. Linul, C. Vălean, P.A. Linul**	**Compressive behavior of aluminum microfibers reinforced semi-rigid polyurethane foams**	**Polymers**	**2073-4360**	**2018**	**10(12)**	**1298**	**4.329**	
31.1	Fei, Yanpei; Fang, Wei; Zhong, Mingqiang; et al.	Extrusion Foaming of Lightweight Polystyrene Composite Foams with Controllable Cellular Structure for Sound Absorption Application	Polymers	2073-4360	2019	11(1)	106	4.329	5.329
31.2	Hoang, Cuong N.; Pham, Chi T.; Dang, Thu M.; et al.	Novel Oligo-Ester-Ether-Diol Prepared by Waste Poly(ethylene terephthalate) Glycolysis and Its Use in Preparing Thermally Stable and Flame Retardant Polyurethane Foam	Polymers	2073-4360	2019	11(2)	236	4.329	5.329
31.3	Jin, Fan-Long; Zhao, Miao; Park, Mira; et al.	Recent Trends of Foaming in Polymer Processing: A Review	Polymers	2073-4360	2019	11(6)	953	4.329	5.329

31.4	Antunes, Marcelo; Ignacio Velasco, Jose	Polymeric Foams	Polymers	2073-4360	2019	11(7)	1179	4.329	5.329
31.5	Ji, Yangjie; Chen, Shuming; Cheng, Yabing	Synthesis and Acoustic Study of a New Tung Oil-Based Polyurethane Composite Foam with the Addition of Miscanthus Lutarioriparius	Polymers	2073-4360	2019	11(7)	1144	4.329	5.329
31.6	Xu, Pingping; Yu, Yuxiang; Chang, Miaomiao; et al.	Preparation and Characterization of Bio-oil Phenolic Foam Reinforced with Montmorillonite	Polymers	2073-4360	2019	11(9)	1471	4.329	5.329
31.7	Lai, Nanjun; Tang, Lei; Jia, Na; et al.	Feasibility Study of Applying Modified Nano-SiO2 Hyperbranched Copolymers for Enhanced Oil Recovery in Low-Mid Permeability Reservoirs	Polymers	2073-4360	2019	11(9)	1483	4.329	5.329
31.8	Margaretta, Desyana Olenka; Amalia, Nadya; Utami, Fisca Dian; et al.	Second-order phase transition and universality of self-buckled elastic slender columns	JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE	1658-3655	2019	13(1)	1128-1136	2.688	3.688
31.9	Yao, Lyu; Jiun, Yu Lih; Badri, Khairiah Haji; et al.	Characterization of Biomass-Reinforced Biopolyol-Based Polyurethane Foams	INTERNATIONAL JOURNAL OF NANOELECTRONICS AND MATERIALS	1985-5761	2020	13	95-105	0	1.000
31.10	Taghavimehr, Mehrnoosh; Famili, Mohammad Hossein Navid; Shirsavar, Mehran Abbasi	Effect of nanoparticle network formation on electromagnetic properties and cell morphology of microcellular polymer nanocomposite foams	POLYMER TESTING	0142-9418	2020	86	106469	4.282	5.282
31.11	Pilipovic, Ana; Ilincic, Petar; Petrusa, Jelena; et al.	Influence of Polymer Composites and Memory Foam on Energy Absorption in Vehicle Application	Polymers	2073-4360	2020	12(6)	1222	4.329	5.329
31.12	Oliveira, Mylena L.; Orlando, Diego; Mulinari, Daniella R.	Aluminum Powder Reinforced Polyurethane Foams Derived from Castor Oil	JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS	1574-1443	2020	30(12)	5157-5167	3.543	4.543
31.13	Walter, Mario; Friess, Fabian; Krus, Martin; et al.	Shape Memory Polymer Foam with Programmable Apertures	Polymers	2073-4360	2020	12(9)	1914	4.329	5.329
31.14	Cai, Jie-Hua; Huang, Ming-Lu; Chen, Xu-Dong; et al.	Thermo-expandable microspheres strengthened polydimethylsiloxane foam with unique softening behavior and high-efficient energy absorption	APPLIED SURFACE SCIENCE	0169-4332	2021	540	148364	6.707	7.707
31.15	Abdelkader, Esraa M.; Nassar, Khaled; Melchor, Juan; et al.	Braiding Thermoplastic and Glass Fibers in Composite Dental Post Improves Their Mechanical Compatibility, In Vitro Experiment	MATERIALS	1996-1944	2021	14(9)	2294	3.623	4.623
31.16	Yang, Xiaoyu; Verboven, Erik; Ju, Bing-feng; et al.	Comparative study of ultrasonic techniques for reconstructing the multilayer structure of composites	NDT & E INTERNATIONAL	0963-8695	2021	121	102460	3.739	4.739
31.17	Hafez, Islam; Tajvidi, Mehdi	Comprehensive Insight into Foams Made of Thermomechanical Pulp Fibers and Cellulose Nanofibrils via Microwave Radiation	ACS SUSTAINABLE CHEMISTRY & ENGINEERING	2168-0485	2021	9(30)	10113-10122	8.198	9.198
32	**L. Marsavina, O. Pop, E. Linul**	**Mechanical and fracture properties of particleboard**	**Frattura ed Integrità Strutturale**	**1971-8993**	**2019**	**47**	**266-276**	**0**	

32.1	Yoshihara, Hiroshi; Maruta, Makoto	Mode II fracture mechanics properties of solid wood measured by the tensile-and compressive-loading shear fracture tests	ENGINEERING FRACTURE MECHANICS	0013-7944	2019	213	72-88	4.406	5.406
32.2	Bertolin, Chiara; Karvan, Poorya; De Rosa, Andrea; et al.	Relation between fracture characteristics and moisture content along longitudinal direction in a naturally drying Scots pine	THEORETICAL AND APPLIED FRACTURE MECHANICS	0167-8442	2021	112	102911	4.017	5.017
32.3	Shahsavar, Sadra; Fakoor, Mandi; Berto, Filippo	Mixed mode I/II fracture criterion to anticipate cracked composite materials based on a reinforced kinked crack along maximum shear stress path	STEEL AND COMPOSITE STRUCTURES	1229-9367	2021	39(6)	765-779	5.733	6.733
33	**M. Vodă, C. Codrean, D. Chicot, V.A. Serban, I.D. Utu, E. Linul, D. Buzdugan**	**Characterization of brazed joints by electrical resistance spot brazing with Ni-based amorphous self-flux alloys**	**Journal of Manufacturing Processes**	**1526-6125**	**2019**	**37**	**617-627**	**4.086**	
33.1	Zhou, Lei; Zhu, Shiliang; Zheng, Wenjia; et al.	Constant current induction brazing process optimization of AgCdO15-Cu electrical contact	Journal of Manufacturing Processes	1526-6125	2020	51	122-129	5.01	6.010
33.2	Xu, Yuxin; Qiu, Xiaoming; Su, Jinlong; et al.	Brazing of tungsten heavy alloy and Fe-Ni-Co based superalloy by a novel Cu-Ti based amorphous filler	MATERIALIA	2589-1529	2021	17	101113	0	1.000
33.3	Vardanjani, M. Jafari; Senkara, J.	Effect of Multi-Pulsed Current Mechanism on Shunting Current in Resistance Spot Welding (RSW) of AA-2219 Sheets	EXPERIMENTAL TECHNIQUES	0732-8818	2021	DOI: 10.1007/s 40799- 021- 00504-x	DOI: 10.1007/s 40799- 021- 00504-x	1.167	2.167
33.4	Zhang, Zhaoyang; Wu, Yucheng; Xu, Kun; et al.	A study on steady-state magnetic field in the surface morphology and internal stress of electrodeposited amorphous Ni-Fe-P alloy based on laser irradiation	SURFACE & COATINGS TECHNOLOGY	0257-8972	2021	425	127677	4.158	5.158
34	**E. Linul, L. Marşavina, P.A. Linul, J. Kovacik**	**Cryogenic and high temperature compressive properties of Metal Foam Matrix Composites**	**Composite Structures**	**0263-8223**	**2019**	**209**	**490-498**	**5.407**	
34.1	Pascual, B.S., Vallejos, S., Ramos, C., Sanz, M.T., Ruiz, J.A.R., García, F.C., García, J.M.	Sensory polymeric foams as a tool for improving sensing performance of sensory polymers	Sensors (Switzerland)	1424-8220	2018	18(12)	4378	3.576	4.576
34.2	Zhao, Miao; Liu, Fei; Fu, Guang; et al.	Improved Mechanical Properties and Energy Absorption of BCC Lattice Structures with Triply Periodic Minimal Surfaces Fabricated by SLM	MATERIALS	1996-1944	2018	11(12)	2411	3.057	4.057
34.3	Bagheri, Ali; Buj-Corral, Irene; Ferrer Ballester, Miquel; et al.	Determination of the Elasticity Modulus of 3D-Printed Octet-Truss Structures for Use in Porous Prosthesis Implants	MATERIALS	1996-1944	2018	11(12)	2420	3.057	4.057
34.4	Szlancsik, Attila; Katona, Balint; Karoly, Dora; et al.	Notch (In)Sensitivity of Aluminum Matrix Syntactic Foams	MATERIALS	1996-1944	2019	12(4)	574	3.057	4.057
34.5	Szlancsik, Attila; Katona, Balint; Kemeny, Alexandra; et al.	On the Filler Materials of Metal Matrix Syntactic Foams	MATERIALS	1996-1944	2019	12(12)	2023	3.057	4.057

34.6	Liang, Xiaolong; Luo, Hongjie; Mu, Yongliang; et al.	Quasi-static and Dynamic Compression of Aluminum Foam at Different Temperatures	Journal of Materials Engineering and Performance	1059-9495	2019	28(8)	4952-4963	1.819	2.819
34.7	Golewski, Grzegorz Ludwik	A new principles for implementation and operation of foundations for machines: A review of recent advances	STRUCTURAL ENGINEERING AND MECHANICS	1225-4568	2019	71(3)	317-327	3.524	4.524
34.8	Lin, Yingfei; Zhang, Qiang; Liu, Tianlong; et al.	Sol-gel MgO coating on glass microspheres for inhibiting excessive interfacial reaction in Al-Mg matrix syntactic foam	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2019	798	59-66	5.316	6.316
34.9	Golewski, Grzegorz Ludwik	A novel specific requirements for materials used in reinforced concrete composites subjected to dynamic loads	COMPOSITE STRUCTURES	0263-8223	2019	223	110939	5.407	6.407
34.10	Lin, Yingfei; Zhang, Qiang; Chang, Jing; et al.	Microstructural characterization and compression mechanical response of glass hollow spheres/Al syntactic foams with different Mg additions	MATERIALS SCIENCE AND ENGINEERING A	0921-5093	2019	766	138338	5.234	6.234
34.11	Doroszko, M.; Seweryn, A.	Pore-scale numerical modelling of large deformation behaviour of sintered porous metals under compression using computed microtomography	MECHANICS OF MATERIALS	0167-6636	2020	141	103259	3.266	4.266
34.12	Bisht, Ankur; Gangil, Brij Esh; Patel, Vinay Kumar	Selection of blowing agent for metal foam production: A review	JOURNAL OF METALS MATERIALS AND MINERALS	0857-6149	2020	30(1)	1-10	0	1.000
34.13	Yang, Xudong; Hu, Qi; Li, Weiting; et al.	Compression-compression fatigue performance of aluminium matrix composite foams reinforced by carbon nanotubes	FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES	1059-9495	2020	43(4)	744-756	3.459	4.459
34.14	Das, Sourav; Rajak, Dipen Kumar; Khanna, Sanjeev; et al.	Energy Absorption Behavior of Al-SiC-Graphene Composite Foam under a High Strain Rate	MATERIALS	1996-1944	2020	13(3)	783	3.623	4.623
34.15	Xu, Jiali; Yang, Xudong; He, Chunnian; et al.	Crushing behavior and energy absorption property of carbon nanotube-reinforced aluminum composite foam-filled 6061 aluminum alloy tubes	JOURNAL OF MATERIALS SCIENCE	0022-2461	2020	55(18)	7910-7926	4.220	5.220
34.16	Bai, Guangzhu; Zhang, Yongjian; Dai, Jingjie; et al.	Mechanical Properties of Cu-B/Diamond Composites Prepared by Gas Pressure Infiltration	Journal of Materials Engineering and Performance	1059-9495	2020	29(5)	3107-3119	1.819	2.819
34.17	Heidari Ghaleh, M.; Ehsani, N.; Baharvandi, H. R.	Compressive Properties of A356 Closed-Cell Aluminum Foamed with a CaCO3 Foaming Agent Without Stabilizer Particles	METALS AND MATERIALS INTERNATIONAL	1598-9623	2020	27(10)	3856-3861	3.642	4.642
34.18	Yang, Xudong; An, Tao; Wu, Ziqing; et al.	The effect of outer tube on quasi -static compression behavior of aluminum foam -filled tubes	COMPOSITE STRUCTURES	0263-8223	2020	245	112357	5.407	6.407
34.19	Kannan, Sathish; Pervaiz, Salman; Jahan, Muhammad Pervej; et al.	Cryogenic Drilling of AZ31 Magnesium Syntactic Foams	MATERIALS	1996-1944	2020	13(18)	4094	3.623	4.623
34.20	Zhai, Gangjun; Ding, Yue; Wang, Yin; et al.	Experimental investigation of the hydrostatic compression of a hollow glass microspheres/epoxy resin under high-pressure conditions at the full ocean depth	POLYMER COMPOSITES	0272-8397	2020	41(12)	5331-5342	3.171	4.171

34.21	Zhang, Yong; Yan, Xiaogang; Huang, Wenzhen; et al.	Experimental investigations on mechanical behavior of the carbon fiber tube reinforced polyurethane foam	THIN-WALLED STRUCTURES	0263-8231	2020	155	106899	4.442	5.442
34.22	Rezaei, Mohammad Reza; Albooyeh, Alireza; Shiraghaei, Hassan; et al.	Examination of microstructure evolution and strengthening mechanisms in an aluminum-based hybrid composite prepared through the spark plasma sintering method	METALLURGICAL RESEARCH & TECHNOLOGY	2271-3646	2020	117(6)	613	1.035	2.035
34.23	Bunjan, Ivana; Grilec, Kresimir; Coric, Danko	Investigation and Statistical Evaluation of Reinforced Aluminum Foams	PROCESSES	2227-9717	2021	9(2)	315	2.847	3.847
34.24	Wang, Li; Zhang, Boyi; Zhang, Jian; et al.	Deformation and energy absorption properties of cenosphere-aluminum syntactic foam-filled tubes under axial compression	THIN-WALLED STRUCTURES	0263-8231	2021	160	107364	4.442	5.442
34.25	Marzavan, S.	EFG method in numerical analysis of foam materials	MECHANICS OF TIME-DEPENDENT MATERIALS	1385-2000	2021	DOI: 10.1007/s11043-021-09494-0	DOI: 10.1007/s11043-021-09494-0	2.143	3.143
34.26	John, Ajay Andrew Antony; Karibeeran, Shanmuga Sundaram; Natarajan, Pradeep	Design and Analysis of Topologically Ordered Open-Cell Metal Foams by Rapid Manufacturing	Journal of Materials Engineering and Performance	1059-9495	2021	30(9)	6549-6556	1.819	2.819
34.27	Novak, Nejc; Al-Ketan, Oraib; Krstulovic-Opara, Lovre; et al.	Quasi-static and dynamic compressive behaviour of sheet TPMS cellular structures	COMPOSITE STRUCTURES	0263-8223	2021	266	113801	5.407	6.407
34.28	Zhang, Zhi-jia; Huang, Lei; Li, Bin-chao; et al.	Design of a novel multi-walled tube-reinforced aluminum foam for energy absorption	COMPOSITE STRUCTURES	0263-8223	2021	276	114584	5.407	6.407
35	**D.K. Rajak, N.N. Mahajan, E. Linul**	**Crashworthiness performance and microstructural characteristics of foam-filled thin-walled tubes under diverse strain rate**	**Journal of Alloys and Compounds**	**0925-8388**	**2019**	**775**	**675-689**	**4.65**	
35.1	Taraz Jamshidi, Youssef; Pourkamali Anaraki, Ali; Sadighi, Mojtaba; et al.	Micro-Structure Analysis of Quasi-Static Crushing and Low-Velocity Impact Behavior of Graded Composite Metallic Foam Filled Tube	METALS AND MATERIALS INTERNATIONAL	1598-9623	2019	27(5)	871-884	3.642	4.642
35.2	Al-Shemmary, Hayder A. H.; Hashim, Fadhil; Salim, Sura	Collapse Behavior of Thin-walled Cylinder Tubes Under Quasi-Static Axial Loading	TECHNOLOGIES AND MATERIALS FOR RENEWABLE ENERGY, ENVIRONMENT AND SUSTAINABILITY (TMREES20) Book Series: AIP Conference Proceedings	0094-243X	2020	2307	020011	0.000	1.000
35.3	Das, Sourav; Rajak, Dipen Kumar; Khanna, Sanjeev; et al.	Energy Absorption Behavior of Al-SiC-Graphene Composite Foam under a High Strain Rate	MATERIALS	1996-1944	2020	13(3)	783	3.623	4.623

35.4	Rajak, Dipen Kumar; Mahajan, Nikhil N.; Selyaraj, Senthil Kumaran	Fabrication and Experimental Investigation on Deformation Behaviour of AlSi10Mg Foam-Filled Mild Steel Tubes	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS	0972-2815	2020	73(3)	587-594	1.499	2.499
35.5	Wang, Han; Su, Mingming; Hao, Hai	The quasi-static axial compressive properties and energy absorption behavior of ex-situ ordered aluminum cellular structure filled tubes	COMPOSITE STRUCTURES	0263-8223	2020	239	112039	5.407	6.407
35.6	Li, Chengbing; Li, Chunxing; Wang, Yazhou	Compressive behavior and energy absorption capacity of unconstrained and constrained open-cell aluminum foams	ADVANCED COMPOSITES LETTERS	963-6935	2020	29	UNSP 2633366X 20923671	0.852	1.852
35.7	Lehmhus, Dirk; Weise, Joerg; Szlancsik, Attila; et al.	Fracture Toughness of Hollow Glass Microsphere-Filled Iron Matrix Syntactic Foams	MATERIALS	1996-1944	2020	13(11)	2566	3.623	4.623
35.8	Garai, Florian; Beres, Gabor; Weltsch, Zoltan	Development of tubes filled with aluminium foams for lightweight vehicle manufacturing	MATERIALS SCIENCE AND ENGINEERING A	0921-5093	2020	790	139743	5.234	6.234
35.9	Yang, Xudong; An, Tao; Wu, Ziqing; et al.	The effect of outer tube on quasi -static compression behavior of aluminum foam -filled tubes	COMPOSITE STRUCTURES	0263-8223	2020	245	112357	5.407	6.407
35.10	Salehi, M.; Mirbagheri, S. M. H.; Ramiani, A. Jafari	Deformation Behavior and Crashworthiness of Functionally Graded Metallic Foam-Filled Tubes Under Drop-Weight Impact Testing	METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE	1073-5623	2020	51(10)	5120-5138	2.556	3.556
35.11	Yadav, B. N.; Muchhala, Dilip; Sriram, S.; et al.	Study on activation energy and strain rate sensitivity of closed -cell aluminium hybrid composite foam	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2020	832	154860	5.316	6.316
35.12	Salehi, M.; Mirbagheri, S. M. H.; Ramiani, A. Jafari	Efficient energy absorption of functionally-graded metallic foam-filled tubes under impact loading	TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA	1003-6326	2021	31(1)	92-110	2.917	3.917
35.13	Kemeny, Alexandra; Leveles, Borbala; Karoly, Dora	Functional aluminium matrix syntactic foams filled with lightweight expanded clay aggregate particles	MATERIALS TODAY-PROCEEDINGS	214-7853	2021	45	-4229 4232	0	1.000
35.14	Leveles, Borbala; Kemeny, Alexandra; Szijarto, Anna	Mechanical investigation of in-situ produced aluminium matrix syntactic foam-filled tubes	MATERIALS TODAY-PROCEEDINGS	214-7853	2021	45	4221-4224	0	1.000
35.15	Liu, Dong; Zou, Longqing; Chang, Qianqian; et al.	Preparation and properties of rigid polyurethane foams added with graphene oxide-hollow glass microspheres hybrid	DESIGNED MONOMERS AND POLYMERS	1385-772X	2021	24(1)	208-215	2.65	3.650
35.16	Bunjan, Ivana; Grilec, Kresimir; Coric, Danko	Investigation and Statistical Evaluation of Reinforced Aluminum Foams	PROCESSES	2227-9717	2021	9(2)	315	2.847	3.847
35.17	Liu, Chen-xi; Qi, Ge; Li, Pin	Crashworthy characteristics of sustainable thin-walled tubes: A study on recycled beverage cans	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2021	DOI: 10.1080/15376494.2021.1891588	DOI: 10.1080/15376494.2021.1891588	4.03	5.030

35.18	Wang, Li; Zhang, Boyi; Zhang, Jian; et al.	Deformation and energy absorption properties of cenosphere-aluminum syntactic foam-filled tubes under axial compression	THIN-WALLED STRUCTURES	0263-8231	2021	160	107364	4.442	5.442
35.19	Hu, Yang; Fang, Qin-Zhi; Qian, Jiong	Effect of cell structure on the uniaxial compression properties of closed-cell foam materials	MATERIALS TODAY COMMUNICATIONS	2352-4928	2021	26	102104	3.383	4.383
35.20	Sathishkumar, T. P.; Satheeshkumar, S.; Bhuvaneshkumar, K.; et al.	Crashworthiness characterization of jute fiber woven mat reinforced epoxy composite tube for structural application using Taguchi's method	INTERNATIONAL JOURNAL OF CRASHWORTHINESS	1358-8265	2021	DOI: 10.1080/13588265.2021.1926861	DOI: 10.1080/13588265.2021.1926861	2.055	3.055
35.21	Zhang, Boyi; Zhang, Jian; Wang, Li; et al.	Bending behavior of cenosphere aluminum matrix syntactic foam-filled circular tubes	ENGINEERING STRUCTURES	0141-0296	2021	243	112650	4.471	5.471
35.22	Szlancsik, Attila; Orbulov, Imre Norbert	Compressive properties of metal matrix syntactic foams in uni- and triaxial compression	MATERIALS SCIENCE AND ENGINEERING A	0921-5093	2021	827	142081	5.234	6.234
36	**D.I. Stoia, E. Linul, L. Marsavina**	**Influence of Manufacturing Parameters on Mechanical Properties of Porous Materials by Selective Laser Sintering**	**Materials**	**1996-1944**	**2019**	**12(6)**	**871**	**3.057**	
36.1	Stoia, Dan Ioan; Marsavina, Liviu	Effect of Aluminum Particles on the Fracture Toughness of Polyamide-based Parts Obtained by Selective Laser Sintering (SLS)	Procedia Structural Integrity Volume	2452-3216	2019	18	163-169	0	1.000
36.2	Dang, Alei; Zhao, Zhao; Tang, Chen; et al.	Effect of Phenolic Resin on Micropores Development in Carbon Foam with High Performance	MATERIALS	1996-1944	2019	12(8)	1213	3.623	4.623
36.3	Arab, Ali; Sktani, Zhwan Dilshad Ibrahim; Zhou, Qiang; et al.	Effect of MgO Addition on the Mechanical and Dynamic Properties of Zirconia Toughened Alumina (ZTA) Ceramics	MATERIALS	1996-1944	2019	12(15)	2440	3.623	4.623
36.4	Lopez, David Moises Baca; Ahmad, Rafiq	Tensile Mechanical Behaviour of Multi-Polymer Sandwich Structures via Fused Deposition Modelling	Polymers	2073-4360	2020	12(3)	651	4.329	5.329
36.5	Bochnia, Jerzy; Blasiak, Slawomir	Stress Relaxation and Creep of a Polymer-Aluminum Composite Produced through Selective Laser Sintering	Polymers	2073-4360	2020	12(4)	830	4.329	5.329
36.6	Yao, Bibo; Li, Zhenhua; Zhu, Fei	Effect of powder recycling on anisotropic tensile properties of selective laser sintered PA2200 polyamide	EUROPEAN POLYMER JOURNAL	0014-3057	2020	141	110093	4.598	5.598
36.7	Marsalek, Pavel; Sotola, Martin; Rybansky, David; et al.	Modeling and Testing of Flexible Structures with Selected Planar Patterns Used in Biomedical Applications	MATERIALS	1996-1944	2021	14(1)	140	3.623	4.623
36.8	Ryndzionek, Roland; Sienkiewicz, Lukasz; Michna, Michal; et al.	Design Evolution of the Ultrasonic Piezoelectric Motor Using Three Rotating Mode Actuators	IEEE ACCESS	2169-3536	2021	9	79416-79423	3.367	4.367

36.9	Brito Guaricela, Joffre Luis; Ahrens, Carlos Henrique; de Oliveira Barra, Guilherme Mariz; et al.	Evaluation of poly(vinylidene fluoride)/carbon black composites, manufactured by selective laser sintering	POLYMER COMPOSITES	0272-8397	2021	42(5)	2457-2468	3.171	4.171
36.10	Stoia, Dan Ioan; Vigaru, Cosmina; Opris, Carmen; et al.	Properties and Medical Applications of Biocompatible Polyamide in Additive Manufacturing	MATERIALE PLASTICE	2668-8220	2021	58(1)	113-120	0.593	1.593
36.11	Tomanik, Magdalena; Zmudzinska, Matylda; Wojtkow, Magdalena	Mechanical and Structural Evaluation of the PA12 Desktop Selective Laser Sintering Printed Parts Regarding Printing Strategy	3D PRINTING AND ADDITIVE MANUFACTURING	2329-7662	2021	8(4)	271-279	5.449	6.449
36.12	Alamos, Fernando J.; Ramos-Grez, Jorge A.; Valenzuela, Loreto M.	Effect of laser scanning angle and atmospheric oxygen on mechanical properties and microstructural morphology of selective laser-sintered aluminum-filled polyamide monolayers	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	0268-3768	2021	114(11-12)	-3449 3458	3.226	4.226
36.13	Derban, Paula; Negrea, Romeo; Rominu, Mihai; et al.	Influence of the Printing Angle and Load Direction on Flexure Strength in 3D Printed Materials for Provisional Dental Restorations	MATERIALS	1996-1944	2021	14(12)	3376	3.623	4.623
36.14	Pacurar, Razvan; Berce, Petru; Petrilak, Anna; et al.	Selective Laser Melting of PA 2200 for Hip Implant Applications: Finite Element Analysis, Process Optimization, and Morphological and Mechanical Characterization	MATERIALS	1996-1944	2021	14(15)	4240	3.623	4.623
36.15	Kafle, Abishek; Luis, Eric; Silwal, Raman; et al.	3D/4D Printing of Polymers: Fused Deposition Modelling (FDM), Selective Laser Sintering (SLS), and Stereolithography (SLA)	Polymers	2073-4360	2021	13(18)	3101	4.329	5.329
36.16	Xie, Dongxu; Dittmeyer, Roland	Correlations of laser scanning parameters and porous structure properties of permeable materials made by laser-beam powder-bed fusion	ADDITIVE MANUFACTURING	2214-8604	2021	47	102261	10.998	11.998
36.17	Shekarchizadeh, Navid; Laudato, Marco; Manzari, Luca; et al.	Parameter identification of a second-gradient model for the description of pantographic structures in dynamic regime	ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND PHYSIK	0044-2275	2021	72(6)	190	1.934	2.934
36.18	Porter, Daniel A.; Prima, Matthew A. Di; Badhe, Yutika; et al.	Nylon lattice design parameter effects on additively manufactured structural performance	JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS	1751-6161	2021	125	104869	3.902	4.902
37	**M.R.M. Aliha, S.S. Mousavi, A. Bahmani, E. Linul, L. Marsavina**	**Crack initiation angles and propagation paths in polyurethane foams under mixed modes I/II and I/III loading**	**Theoretical and Applied Fracture Mechanics**	**0167-8442**	**2019**	**101**	**152-161**	**4.017**	
37.1	Golewski, Grzegorz Ludwik	Estimation of the optimum content of fly ash in concrete composite based on the analysis of fracture toughness tests using various measuring systems	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2019	213	142-155	6.141	7.141

37.2	Bahrami, Bahador; Ayatollahi, Majid R.; Sedighi, Iman; et al.	An insight into mode II fracture toughness testing using SCB specimen	FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES	8756-758X	2019	42(9)	1991-1999	3.459	4.459
37.3	Torabi, A. R.; Kalantari, M. H.; Aliha, M. R. M.; et al.	Pure mode II fracture analysis of dissimilar Al-Al and Al-Cu friction stir welded joints using the generalized MTS criterion	THEORETICAL AND APPLIED FRACTURE MECHANICS	0167-8442	2019	104	102369	4.017	5.017
37.4	Kiss, Balazs; Szekrenyes, Andras	Fracture and mode mixity analysis of shear deformable composite beams	ARCHIVE OF APPLIED MECHANICS	0939-1533	2019	89(12)	2485-2506	1.976	2.976
37.5	Mousavi, S. S.; Aliha, M. R. M.; Imani, D. M.	On the use of edge cracked short bend beam specimen for PMMA fracture toughness testing under mixed-mode I/II	POLYMER TESTING	0142-9418	2020	81	106199	4.282	5.282
37.6	Li, Yifan; Pavier, Martyn J.; Coules, Harry	A new specimen for mixed mode I/II fracture of brittle and quasi-brittle materials	Procedia Structural Integrity	2452-3216	2020	28	1140-1147	0	1.000
37.7	Sedighi, Iman; Ayatollahi, Majid R.; Bahrami, Bahador	A statistical approach on the support type effect on mode I fracture toughness determined using semi-circular bend (SCB) specimen	ENGINEERING FRACTURE MECHANICS	0013-7944	2020	226	106891	4.406	5.406
37.8	Mousavi, A.; Aliha, M. R. M.; Imani, D. M.	Effects of biocompatible Nanofillers on mixed-mode I and II fracture toughness of PMMA base dentures	JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS	1751-6161	2020	103	103566	3.902	4.902
37.9	Poapongsakorn, Piyamon; Wiangkham, Attasit; Aengchuan, Prasert; et al.	Time-dependent fracture of epoxy resin under mixed-mode I/III loading	THEORETICAL AND APPLIED FRACTURE MECHANICS	0167-8442	2020	106	102445	4.017	5.017
37.10	Bahmani, A.; Aliha, M. R. M.; Sarbijan, M. Jebalbarezi; et al.	An extended edge-notched disc bend (ENDB) specimen for mixed-mode I plus II fracture assessments	INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES	0020-7683	2020	193	239-250	3.9	4.900
37.11	Wei, Yanni; Sun, Fu; Li, Hui; et al.	The Microstructure and Mechanical Properties of Multipass Friction Stir-Welded Al/Cu Lap Joints and Interface Transfer during Butt Joining of Thick Plates	ADVANCED ENGINEERING MATERIALS	1438-1656	2020	2000346	2000346	3.862	4.862
37.12	Zhu, Chuanqi; Wang, Lei; Han, Xiangang	State Judgement Model of the Coal and Rock Medium and Its Engineering Application	ADVANCES IN CIVIL ENGINEERING	1687-8086	2020	2020	4670876	1.924	2.924
37.13	Jelitto, H.; Schneider, G. A.	Extended cubic fracture model for porous materials and the dependence of the fracture toughness on the pore size	Materialia	2589-1529	2020	12	100761	0.000	1.000
37.14	Wang, Fei; Zhu, Zheming; Wang, Meng; et al.	Investigation of Mixed-Mode I/II Fracture under Impact Loading Using Split-Hopkinson Pressure Bar	APPLIED SCIENCES-BASEL	2076-3417	2020	10(20)	7149	2.679	3.679

37.15	Zeinedini, A.; Moradi, M. H.; Taghibeigi, H.; et al.	On the mixed mode I/II/III translaminar fracture toughness of cotton/epoxy laminated composites	THEORETICAL AND APPLIED FRACTURE MECHANICS	0167-8442	2020	109	102760	4.017	5.017
37.16	Pourseifi, M.; Rahimi, A. S.	Failure prediction of multi-cracked ductile polymeric specimens under mixed mode I/II loading	Theoretical and Applied Fracture Mechanics	0167-8442	2020	109	102744	4.017	5.017
37.17	Fakoor, Mahdi; Khezri, Mina S.	A micromechanical approach for mixed mode I/II failure assessment of cracked highly orthotropic materials such as wood	THEORETICAL AND APPLIED FRACTURE MECHANICS	0167-8442	2020	109	102740	4.017	5.017
37.18	Aliha, M. R. M.; Pour, Pegah Jafari Haghighat	Fracture resistance study for hot mix asphalt mixture under out of plane sliding mode	ENGINEERING FRACTURE MECHANICS	0013-7944	2020	238	107230	4.406	5.406
37.19	Fakhri, Mansour; Siyadati, Sayyed Ali; Aliha, M. R. M.	Impact of freeze-thaw cycles on low temperature mixed mode I/II cracking properties of water saturated hot mix asphalt: An experimental study	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2020	261	119939	6.141	7.141
37.20	Najjar, Shima; Moghaddam, Abolfazl Mohammadzadeh; Sahaf, Ali; et al.	Low temperature fracture resistance of cement emulsified asphalt mortar under mixed mode I/III loading	THEORETICAL AND APPLIED FRACTURE MECHANICS	0167-8442	2020	110	102800	4.017	5.017
37.21	Yuan, H.; Xie, Y. J.	Disturbance effects of weak Mode-II loading on K-based Mode-I fracture toughness test	THEORETICAL AND APPLIED FRACTURE MECHANICS	0167-8442	2020	110	102822	4.017	5.017
37.22	Xiongzhou, Yuan; Yuze, Tian; Qinglin, Liu; et al.	K-Ic and K-IIc measurement for hot mix asphalt mixtures at low temperature: Experimental and theoretical study using the semicircular bend specimen with different thicknesses	FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES	8756-758X	2021	44(3)	832-846	3.459	4.459
37.23	Li, Yifan; Dong, Shiming; Pavier, Martyn J.	Experimental and numerical analysis of mixed mode I/III fracture of sandstone using three-point bending specimens	STRUCTURAL ENGINEERING AND MECHANICS	1225-4568	2020	76(6)	725-736	3.524	4.524
37.24	Pietras, D.; Aliha, MRM.; Sadowski, T.	Mode III fracture toughness testing and numerical modeling for aerated autoclaved concrete using notch cylinder specimen subjected to torsion	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	45	4326-4329	0.000	1.000
37.25	Li, Youzhen; Dai, Feng; You, Wei; et al.	An asymmetric semi-circular bend method for investigating fracture behavior of brittle rocks under dynamic mixed mode I/II loading	REVIEW OF SCIENTIFIC INSTRUMENTS	0034-6748	2021	92(3)	035112	1.523	2.523
37.26	Guo, Qinglin; Chen, Zhipeng; Liu, Pengfei; et al.	Influence of basalt fiber on mode I and II fracture properties of asphalt mixture at medium and low temperatures	THEORETICAL AND APPLIED FRACTURE MECHANICS	0167-8442	2021	112	102884	4.017	5.017

37.27	Funari, Marco Francesco; Spadea, Saverio; Lonetti, Paolo; et al.	On the elastic and mixed-mode fracture properties of PVC foam	THEORETICAL AND APPLIED FRACTURE MECHANICS	0167-8442	2021	112	102924	4.017	5.017
37.28	Gan, Zhiqiang; Pan, Xin; Tang, Huaizi; et al.	Experimental investigation on mixed mode I-III fracture characteristics of sandstone corroded by periodic acid solution	THEORETICAL AND APPLIED FRACTURE MECHANICS	0167-8442	2021	114	103034	4.017	5.017
37.29	Jen, Ming-Hwa R.; Chang, Che-Kai; Wu, Ying-Hui	Mechanical behavior and fatigue life prediction of fiber metal laminates with inclined edge cracks at elevated temperatures	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2021	DOI: 10.1080/15376494.2021.1973625	DOI: 10.1080/15376494.2021.1973625	4.03	5.030
37.30	Zhang, Nan; Hedayat, Ahmadreza; Sosa, Hector Gelber Bolanos; et al.	Mechanical and fracture behaviors of compacted gold mine tailings by semi-circular bending tests and digital image correlation	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2021	306	124841	6.141	7.141
37.31	Aliha, M. R. M.; Samareh-Mousavi, S. S.; Mirsayar, M. M.	Loading rate effect on mixed mode I/II brittle fracture behavior of PMMA using inclined cracked SBB specimen	INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES	0020-7683	2021	232	111177	3.9	4.900
37.32	Saed, Seyed Ataollah; Karimi, Hamid Reza; Rad, Sina Mousavi; et al.	Full range I/II fracture behavior of asphalt mixtures containing RAP and rejuvenating agent using two different 3-point bend type configurations	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2021	314	125590	6.141	7.141
38	**E. Linul, D. Lell, N. Movahedi, C. Codrean, T. Fiedler**	**Compressive properties of Zinc Syntactic Foams at elevated temperatures**	**Composites Part B**	**1359-8368**	**2019**	**167**	**122-134**	**9.078**	
38.1	Szlancsik, Attila; Katona, Balint; Karoly, Dora; et al.	Notch (In)Sensitivity of Aluminum Matrix Syntactic Foams	Materials	1996-1944	2019	12(4)	574	3.623	4.623
38.2	Szlancsik, Attila; Katona, Balint; Kemeny, Alexandra; et al.	On the Filler Materials of Metal Matrix Syntactic Foams	Materials	1996-1944	2019	12(12)	2023	3.623	4.623
38.3	Liang, Xiaolong; Luo, Hongjie; Mu, Yongliang; et al.	Quasi-static and Dynamic Compression of Aluminum Foam at Different Temperatures	Journal of Materials Engineering and Performance	1059-9495	2019	28(8)	4952-4963	1.819	2.819
38.4	Orbulov, Imre Norbert; Kemeny, Alexandra; Filep, Adam; et al.	Compressive characteristics of bimodal aluminium matrix syntactic foams	COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING	1359-835X	2019	124	105479	7.664	8.664
38.5	Movahedi, Nima; Conway, Stephen; Belova, Irina V.; et al.	Influence of particle arrangement on the compression of functionally graded metal syntactic foams	MATERIALS SCIENCE AND ENGINEERING A	0921-5093	2019	764	138242	5.234	6.234
38.6	Aakash, B. S.; Bi, Sirui; Shields, Michael D.; et al.	On the high-temperature crushing of metal foams	INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES	0020-7683	2019	174	18-27	3.9	4.900
38.7	Szlancsik, A.; Kincses, D.; Orbulov, I. N.	Mechanical properties of AlSi10MnMg matrix syntactic foams filled with lightweight expanded clay particles	IOP Conference Series-Materials Science and Engineering	1757-8981	2020	903	012045	0	1.000
38.8	Kemeny, A.; Katona, B.; Movahedi, N.; et al.	Fatigue tests of zinc aluminium matrix syntactic foams filled with expanded perlite	IOP Conference Series-Materials Science and Engineering	1757-8981	2020	903	012050	0	1.000

38.9	Das, Sourav; Rajak, Dipen Kumar; Khanna, Sanjeev; et al.	Energy Absorption Behavior of Al-SiC-Graphene Composite Foam under a High Strain Rate	MATERIALS	1996-1944	2020	13(3)	783	3.623	4.623
38.10	Fiedler, Thomas; Movahedi, Nima; York, Lucas; et al.	Functionally-Graded Metallic Syntactic Foams Produced via Particle Pre-Compaction	METALS	2075-4701	2020	10(3)	314	2.351	3.351
38.11	Xu, Jiali; Yang, Xudong; He, Chunnian; et al.	Crushing behavior and energy absorption property of carbon nanotube-reinforced aluminum composite foam-filled 6061 aluminum alloy tubes	JOURNAL OF MATERIALS SCIENCE	0022-2461	2020	55(18)	7910-7926	4.220	5.220
38.12	Su, Mingming; Wang, Han; Hao, Hai; et al.	Compressive properties of expanded glass and alumina hollow spheres hybrid reinforced aluminum matrix syntactic foams	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2020	821	153233	5.316	6.316
38.13	Wang, Han; Su, Mingming; Hao, Hai	The quasi-static axial compressive properties and energy absorption behavior of ex-situ ordered aluminum cellular structure filled tubes	COMPOSITE STRUCTURES	0263-8223	2020	239	112039	5.407	6.407
38.14	Hosseini, A.; Rahmatabadi, D.; Hashemi, R.; et al.	Experimental and numerical assessment of energy absorption capacity of thin -walled Al 5083 tube produced by PTCAP process	TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA	1003-6326	2020	30(5)	1238-1248	2.917	3.917
38.15	Movahedi, Nima; Murch, Graeme E.; Belova, Irina V.; et al.	Manufacturing and compressive properties of tube-filled metal syntactic foams	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2020	822	153465	5.316	6.316
38.16	Yang, Fuming; Li, Mingzhe; Lu, Weiyi	Dent-inert post-buckling behavior of liquid nanofoam-filled tube	THIN-WALLED STRUCTURES	0263-8231	2020	151	106716	4.442	5.442
38.17	Islam, M. A.; Kader, M. A.; Hazell, P. J.; et al.	Effects of impactor shape on the deformation and energy absorption of closed cell aluminium foams under low velocity impact	MATERIALS & DESIGN	0264-1275	2020	191	108599	7.991	8.991
38.18	Li, Mingzhe; Barbat, Saeed; Baccouche, Ridha; et al.	Enhanced energy mitigation of thin-walled tube filled with liquid nanofoam under dynamic impact	Composites Part B	1359-8368	2020	193	108047	9.078	10.078
38.19	Orbulov, Imre Norbert; Szlancsik, Attila; Kemeny, Alexandra; et al.	Compressive mechanical properties of low-cost, aluminium matrix syntactic foams	COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING	1359-835X	2020	135	105923	7.664	8.664
38.20	Yang, Xudong; An, Tao; Wu, Ziqing; et al.	The effect of outer tube on quasi -static compression behavior of aluminum foam -filled tubes	COMPOSITE STRUCTURES	0263-8223	2020	245	112357	5.407	6.407
38.21	Tavares, M.; Weigand, J. M.; Vieira Jr, L. C. M.; et al.	Mechanical behavior of steel and aluminum foams at elevated temperatures. Local buckling based approach toward understanding of the material system behavior	INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES	0020-7403	2020	181	105754	5.329	6.329
38.22	Zhang, Yong; Yan, Xiaogang; Huang, Wenzhen; et al.	Experimental investigations on mechanical behavior of the carbon fiber tube reinforced polyurethane foam	THIN-WALLED STRUCTURES	0263-8231	2020	155	106899	4.442	5.442

38.23	Movahedi, Nima; Orbulov, Imre Norbert; Kemeny, Alexandra; et al.	Fatigue characterization of functionally graded ZA27 alloy syntactic foams	MATERIALS SCIENCE AND ENGINEERING A	0921-5093	2020	798	140255	5.234	6.234
38.24	Miralbes, R.; Ranz, D.; Pascual, F. J.; et al.	Characterization of additively manufactured triply periodic minimal surface structures under compressive loading	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2020	DOI: 10.1080/15376494.2020.184	DOI: 10.1080/15376494.2020.184	4.030	5.030
38.25	Broxtermann, S.; Su, M. M.; Hao, H.; et al.	Comparative study of stir casting and infiltration casting of expanded glass-aluminium syntactic foams	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2020	845	155415	5.316	6.316
38.26	Kemeny, Alexandra; Leveles, Borbala; Bubonyi, Tamas; et al.	Effect of particle size and volume ratio of ceramic hollow spheres on the mechanical properties of bimodal composite metal foams	COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING	1359-835X	2021	140	106152	7.664	8.664
38.27	Kincses, Domonkos Balazs; Karoly, Dora; Bukor, Csongor	Production and testing of syntactic metal foams with graded filler volume	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	45	4225-4228	0	1.000
38.28	Zhang, Zhi-jia; Zhang, Qian-cheng; Huang, Lei; et al.	Effect of elevated temperature on the out-of-plane compressive properties of nickel based pyramidal lattice truss structures with hollow trusses	THIN-WALLED STRUCTURES	0263-8231	2021	159	107247	4.442	5.442
38.29	Meng, Jin; Liu, Tian-Wei; Wang, Hai-Ying; et al.	Ultra-high energy absorption high-entropy alloy syntactic foam	Composites Part B	1359-8368	2021	207	108563	9.078	10.078
38.30	Wang, Li; Zhang, Boyi; Zhang, Jian; et al.	Deformation and energy absorption properties of cenosphere-aluminum syntactic foam-filled tubes under axial compression	THIN-WALLED STRUCTURES	0263-8231	2021	160	107364	4.442	5.442
38.31	Wang, Han; Su, Mingming; Hao, Hai	Compressive properties and energy absorption behavior of Mg17Al12/Al ordered structure composites	COMPOSITES PART B-ENGINEERING	1359-8368	2021	210	108688	9.078	10.078
38.32	Movahedi, Nima; Vesenjak, Matej; Belova, Irina, V; et al.	Dynamic compression of functionally-graded metal syntactic foams	COMPOSITE STRUCTURES	0263-8223	2021	261	113308	5.407	6.407
38.33	Sripathy, Akshay Padnuru; Handjaja, Cindy; Manakari, Vyasaraj; et al.	Development of Lightweight Magnesium/Glass Micro Balloon Syntactic Foams Using Microwave Approach with Superior Thermal and Mechanical Properties	METALS	2075-4701	2021	11(5)	827	2.351	3.351
38.34	Jung, Jeki; Kang, Joo-Hee; Kim, Su-Hyeon; et al.	Redox-reaction phenomenon in cenosphere reinforced aluminum alloy matrix syntactic foam	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2021	862	158686	5.316	6.316

38.35	Shukla, Amarish Kumar; Mondal, D. P.; Majumdar, J. Dutta	Metallurgical Characteristics, Compressive Strength, and Chemical Degradation Behavior of Aluminum-Cenosphere Composite Foam Developed by Spray Forming Route	Journal of Materials Engineering and Performance	1059-9495	2021	30(8)	5750-5762	1.819	2.819
38.36	Thiyagarajan, Raja; Senthil Kumar, M.	A Review on Closed Cell Metal Matrix Syntactic Foams: A Green Initiative towards Eco-Sustainability	MATERIALS AND MANUFACTURING PROCESSES	1042-6914	2021	36(12)	1333-1351	4.616	5.616
38.37	Huang, Wenzhan; Liu, Guangming; Li, Huaying; et al.	Compressive Properties and Failure Mechanisms of Gradient Aluminum Foams Prepared by a Powder Metallurgy Method	METALS	2075-4701	2021	11(9)	1337	2.351	3.351
38.38	Zhang, Boyi; Zhang, Jian; Wang, Li; et al.	Bending behavior of cenosphere aluminum matrix syntactic foam-filled circular tubes	ENGINEERING STRUCTURES	0141-0296	2021	243	112650	4.471	5.471
38.39	Movahedi, N.; Belova, I., V; Murch, G. E.; et al.	Functionally Graded Syntactic Foams with Layers of Dissimilar Metallic Matrices	Journal of Materials Engineering and Performance	1059-9495	2021	DOI: 10.1007/s11665-021-06289-9	DOI: 10.1007/s11665-021-06289-9	1.819	2.819
38.40	Szlancsik, Attila; Orbulov, Imre Norbert	Compressive properties of metal matrix syntactic foams in uni- and triaxial compression	MATERIALS SCIENCE AND ENGINEERING A	0921-5093	2021	827	142081	5.234	6.234
38.41	Zhang, Zhi-jia; Huang, Lei; Li, Bin-chao; et al.	Design of a novel multi-walled tube-reinforced aluminum foam for energy absorption	COMPOSITE STRUCTURES	0263-8223	2021	276	114584	5.407	6.407
39	**D.K. Rajak, D.D. Pagar, P.L. Menezes, E. Linul**	**Fiber-Reinforced Polymer composites: Manufacturing, properties, and applications**	**Polymers**	**2073-4360**	**2019**	**11(10)**	**1667**	**3.426**	
39.1	Adesina, O. T.; Jamiru, T.; Daniyan, I. A.; et al.	Mechanical property prediction of SPS processed GNP/PLA polymer nanocomposite using artificial neural network	COGENT ENGINEERING	2331-1916	2020	7(1)	1720894	0	1.000
39.2	Sutrisno, Widayani; Rahayu, Mitra; Adhika, Damar Rastri	Thermal Properties of Sago Fiber-Epoxy Composite	FIBERS	2079-6439	2020	8(1)	4	0	1.000
39.3	Alimi, Latifa; Chaoui, Kamel; Boukhezar, Skander; et al.	Structure and mechanical properties of PMMA/GF/Perlon composite for orthopedic prostheses	MATERIALS TODAY-PROCEEDINGS	2214-7853	2020	31(1)	S162-S167	0	1.000
39.4	Chervinskaya, A. S.; Dotsenko, O. A.; Potselueva, A. A.	Dielectric permeability of multiwall carbon nanotubes based composites, which are measured by a resonator method	Journal of Physics Conference Series	1742-6588	2020	1499	012022	0	1.000

39.5	Cosco, Francesco; Serratore, Giuseppe; Gagliardi, Francesco; et al.	Experimental Characterization of the Torsional Damping in CFRP Disks by Impact Hammer Modal Testing	Polymers	2073-4360	2020	12(2)	493	4.329	5.329
39.6	Azam, Farah Atiqah Abdul; Royan, Nishata Royan Rajendran; Yuhana, Nor Yuliana; et al.	Fabrication of Porous Recycled HDPE Biocomposites Foam: Effect of Rice Husk Filler Contents and Surface Treatments on the Mechanical Properties	Polymers	2073-4360	2020	12(2)	475	4.329	5.329
39.7	Teti, Roberto; Segreto, Tiziana; Caggiano, Alessandra; et al.	Smart Multi-Sensor Monitoring in Drilling of CFRP/CFRP Composite Material Stacks for Aerospace Assembly Applications	APPLIED SCIENCES-BASEL	2076-3417	2020	10(3)	758	2.679	3.679
39.8	Manuel Munoz-Guijosa, Juan; Zapata Martinez, Rodrigo; Martinez Cendrero, Adrian; et al.	Rapid Prototyping of Personalized Articular Orthoses by Lamination of Composite Fibers upon 3D-Printed Molds	MATERIALS	1996-1944	2020	13(4)	939	3.623	4.623
39.9	Zamal, Hasna Hena; Barba, David; Aissa, Brahim; et al.	Recovery of electro-mechanical properties inside self-healing composites through microencapsulation of carbon nanotubes	SCIENTIFIC REPORTS	2045-2322	2020	10(1)	2973	4.38	5.380
39.10	Vrettos, Katerina; Spyrou, Konstantinos; Georgakilas, Vasilios	Graphene Aerogel Growth on Functionalized Carbon Fibers	MOLECULES	1420-3049	2020	25(6)	1295	4.412	5.412
39.11	Sun, Ligang; Tie, Ying; Hou, Yuliang; et al.	Prediction of failure behavior of adhesively bonded CFRP scarf joints using a cohesive zone model	Engineering Fracture Mechanics	0013-7944	2020	228	106897	4.406	5.406
39.12	Pinto, Javier; Barroso-Solares, Suset; Magri, Davide; et al.	Melamine Foams Decorated with In-Situ Synthesized Gold and Palladium Nanoparticles	Polymers	2073-4360	2020	12(4)	934	4.329	5.329
39.13	Mirabedini, Azadeh; Ang, Andrew; Nikzad, Mostafa; et al.	Evolving Strategies for Producing Multiscale Graphene-Enhanced Fiber-Reinforced Polymer Composites for Smart Structural Applications	ADVANCED SCIENCE	2198-3844	2020	7(11)	1903501	16.806	17.806
39.14	Gupta, Ankit; Fidan, Ismail; Hasanov, Seymur; et al.	Processing, mechanical characterization, and micrography of 3D-printed short carbon fiber reinforced polycarbonate polymer matrix composite material	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	0268-3768	2020	107(7-8)	3185-3205	3.226	4.226
39.15	Hasan, K. M. Faridul; Horvath, Peter Gyoergy; Alpar, Tibor	Potential Natural Fiber Polymeric Nanobiocomposites: A Review	Polymers	2073-4360	2020	12(5)	1072	4.329	5.329
39.16	Zarehshi, A.; Gharehaghaji, A. A.; Asgharian Jeddi, A. A.	In situ fabrication of PAN nanofibrous composites for enhanced toughness	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE	0954-4062	2020	234(16)	3228-3240	1.762	2.762
39.17	Kumar, Santosh; Zindani, Divya; Bhowmik, Sumit	Investigation of Mechanical and Viscoelastic Properties of Flax- and Ramie-Reinforced Green Composites for Orthopedic Implants	Journal of Materials Engineering and Performance	1059-9495	2020	29(5)	-3161 3171	1.819	2.819

39.18	Equbal, Azhar; Shamim, Mohammad; Badruddin, Irfan Anjum; et al.	Application of the Combined ANN and GA for Multi-Response Optimization of Cutting Parameters for the Turning of Glass Fiber-Reinforced Polymer Composites	MATHEMATICS	2227-7390	2020	8(6)	947	2.258	3.258
39.19	Pilipovic, Ana; Ilincic, Petar; Petrusa, Jelena; et al.	Influence of Polymer Composites and Memory Foam on Energy Absorption in Vehicle Application	Polymers	2073-4360	2020	12(6)	1222	4.329	5.329
39.20	Alvarez-Alcon, Miguel; Lopez de Lacalle, Luis Norberto; Fernandez-Zacarias, Francisco	Multiple Sensor Monitoring of CFRP Drilling to Define Cutting Parameters Sensitivity on Surface Roughness, Cylindricity and Diameter	Materials	1996-1944	2020	13(12)	2796	3.623	4.623
39.21	Saadati, Yousef; Chatelain, Jean-Francois; Lebrun, Gilbert; et al.	A Study of the Interlaminar Fracture Toughness of Unidirectional Flax/Epoxy Composites	JOURNAL OF COMPOSITES SCIENCE	2504-477X	2020	4(2)	66	0.000	1.000
39.22	Kumar Rajak, Dipen; Pagar, Durgesh D.; Menezes, Pradeep L.; et al.	Friction-based welding processes: friction welding and friction stir welding	JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY	0169-4243	2020	34(24)	2613-2637	2.077	3.077
39.23	Sadritdinov, Aynur R.; Khusnullin, Aygiz G.; Psyanchin, Artur A.; et al.	PHYSICAL AND MECHANICAL AND THERMOPHYSICAL PROPERTIES OF POLYMER COMPOSITES BASED ON RECYCLED POLYPROPYLENE FILLED WITH RICE HUSK	PERIODICO TCHE QUIMICA	1806-0374	2020	17(35)	703-712	0	1.000
39.24	Alhijazi, Mohamad; Zeeshan, Qasim; Safaei, Babak; et al.	Recent Developments in Palm Fibers Composites: A Review	JOURNAL OF POLYMERS AND THE ENVIRONMENT	1566-2543	2020	28(12)	3029-3054	3.667	4.667
39.25	Shah, Mohd Kamal Mohd; Beng, Yeo Kiam; Mohan, Sanjay; et al.	Experimental and numerical study of the crushing behavior of pultruded composite tube structure	JOURNAL OF POLYMER ENGINEERING	0334-6447	2020	40(7)	615-627	1.367	2.367
39.26	Wang, Jin; Xiang, Jiangyang; Lin, Hao; et al.	Effects of Scanning Strategy and Printing Temperature on the Compressive Behaviors of 3D Printed Polyamide-Based Composites	Polymers	2073-4360	2020	12(8)	1783	4.329	5.329
39.27	Paul, Rajdeep; Bhowmik, Sumit	Tribological Behavior of Micro Coir Filler Reinforced Polymer Composite under Dry, Wet, and Heated Contact Condition	JOURNAL OF NATURAL FIBERS	1544-0478	2020	10.1080/15440478.2020.1798845	10.1080/15440478.2020.1798845	5.323	6.323
39.28	Paul, Rajdeep; Gouda, Krushna; Bhowmik, Sumit	Effect of Different Constraint on Tribological Behaviour of Natural Fibre/Filler Reinforced Polymeric Composites: a Review	SILICON	1876-990X	2020	13(8)	2785-2807	2.67	3.670
39.29	Makul, Natt	Modern sustainable cement and concrete composites: Review of current status, challenges and guidelines	SUSTAINABLE MATERIALS AND TECHNOLOGIES	2214-9937	2020	25	e00155	7.053	8.053
39.30	Zhang, Liwen; Jiang, Zuqian; Wu, Hui; et al.	Flexural Properties of Renewable Coir Fiber Reinforced Magnesium Phosphate Cement, Considering Fiber Length	Materials	1996-1944	2020	13(17)	3692	3.623	4.623
39.31	Rihaczek, Gabriel; Klammer, Maximilian; Basnak, Okan; et al.	Curved Foldable Tailored Fiber Reinforcements for Moldless Customized Bio-Composite Structures. Proof of Concept: Biomimetic NFRP Stools	Polymers	2073-4360	2020	12(9)	2000	4.329	5.329

39.32	Sebaey, Tamer A.	Effect of Exposure Temperature on the Crashworthiness of Carbon/Epoxy Composite Rectangular Tubes Under Quasi-Static Compression	Polymers	2073-4360	2020	12(9)	2028	4.329	5.329
39.33	Atmakuri, Ayyappa; Palevicius, Arvydas; Vilkauskas, Andrius; et al.	Review of Hybrid Fiber Based Composites with Nano Particles-Material Properties and Applications	Polymers	2073-4360	2020	12(9)	2088	4.329	5.329
39.34	Chen, Tianran; Kazerooni, Dana; Ju, Lin; et al.	Development of Recyclable and High-Performance In Situ Hybrid TLCP/Glass Fiber Composites	JOURNAL OF COMPOSITES SCIENCE	2504-477X	2020	4(3)	125	0	1.000
39.35	Saleem, Anjum; Medina, Luisa; Skrifvars, Mikael	Influence of Fiber Coating and Polymer Modification on Mechanical and Thermal Properties of Bast/Basalt Reinforced Polypropylene Hybrid Composites	JOURNAL OF COMPOSITES SCIENCE	2504-477X	2020	4(3)	119	0	1.000
39.36	Afolabi, Lukmon Owolabi; Ariff, Zulkifli Mohamad; Hashim, Syed Fuad Saiyid; et al.	Syntactic foams formulations, production techniques, and industry applications: a review	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	2238-7854	2020	9(5)	10698-10718	5.039	6.039
39.37	Somaiah Chowdary, M.; Raghavendra, G.; Niranjan Kumar, M. S. R.; et al.	A review on the degradation of properties under the influence of liquid medium of hybrid polymer composites	SN APPLIED SCIENCES	2523-3963	2020	2(10)	1708	0	1.000
39.38	Melese, Kassahun Gashu; Naik, Tejas P.; Singh, Inderdeep	Adhesive joining of sisal/jute/hybrid composites with drilled holes in lap area	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS	1464-4207	2020	235(2)	255-264	2.311	3.311
39.39	Syduzzaman, Md; Al Faruque, Md Abdullah; Bilisik, Kadir; et al.	Plant-Based Natural Fibre Reinforced Composites: A Review on Fabrication, Properties and Applications	COATINGS	2079-6412	2020	10(10)	973	2.881	3.881
39.40	Yorseng, Krittirash; Mavinkere Rangappa, Sanjay; Parameswaranpillai, Jyotishkumar; et al.	Influence of Accelerated Weathering on the Mechanical, Fracture Morphology, Thermal Stability, Contact Angle, and Water Absorption Properties of Natural Fiber Fabric-Based Epoxy Hybrid Composites	Polymers	2073-4360	2020	12(10)	2254	4.329	5.329
39.41	Georgantzinos, Stelios K.; Giannopoulos, Georgios I.; Markolefas, Stylianos I.	Vibration Analysis of Carbon Fiber-Graphene-Reinforced Hybrid Polymer Composites Using Finite Element Techniques	Materials	1996-1944	2020	13(9)	4225	3.623	4.623
39.42	Tugirumubano, Alexandre; Go, Sun Ho; Shin, Hee Jae; et al.	Fabrication and Characterization of Carbon-Fiber-Reinforced Polymer-FeSi Composites with Enhanced Magnetic Properties	Polymers	2073-4360	2020	12(10)	2325	4.329	5.329
39.43	Oladele, Isiaka Oluwole; Omotosho, Taiwo Fisayo; Adediran, Adeolu Adesoji	Polymer-Based Composites: An Indispensable Material for Present and Future Applications	INTERNATIONAL JOURNAL OF POLYMER SCIENCE	1687-9422	2020	2020	8834518	2.642	3.642
39.44	Li, Mi; Pu, Yunqiao; Thomas, Valerie M.; et al.	Recent advancements of plant-based natural fiber-reinforced composites and their applications	COMPOSITES PART B-ENGINEERING	1359-8368	2020	200	108254	9.078	10.078
39.45	Allaf, Rula M.; Futian, Mohammad	Solid-State Compounding for Recycling of Sawdust Waste into Green Packaging Composites	PROCESSES	2227-9717	2020	8(11)	1386	2.847	3.847

39.46	Zhang, Liwen; Jiang, Zuqian; Zhang, Wenhua; et al.	Flexural Properties and Microstructure Mechanisms of Renewable Coir-Fiber-Reinforced Magnesium Phosphate Cement-Based Composite Considering Curing Ages	Polymers	2073-4360	2020	12(11)	2556	4.329	5.329
39.47	Alcudia-Zacarias, Enrique; Abundez-Pliego, Arturo; Mayen, Jan; et al.	Experimental Assessment of Residual Integrity and Balanced Mechanical Properties of GFRP/CFRP Hybrid Laminates under Tensile and Flexural Conditions	APPLIED COMPOSITE MATERIALS	0929-189X	2020	27(6)	895-914	2.181	3.181
39.48	Bharti, Kundan; Kumaraswamidhas, L. A.; Das, R. R.	A novel optimization approach for bonded tubular gap K-joints made of FRP composites	STRUCTURES	2352-0124	2020	28	2135-2145	2.983	3.983
39.49	Sykutera, Dariusz; Czyzewski, Piotr; Szewczykowski, Piotr	The Microcellular Structure of Injection Molded Thick-Walled Parts as Observed by In-Line Monitoring	Materials	1996-1944	2020	13(23)	5464	3.623	4.623
39.50	Liao, Chengzhu; Li, Yuchao; Tjong, Sie Chin	Polyetheretherketone and Its Composites for Bone Replacement and Regeneration	Polymers	2073-4360	2020	12(12)	2858	4.329	5.329
39.51	Hani, F.; Firouzi, A.; Islam, M. R.; et al.	Mechanical and thermal properties of fishbone-based epoxy composites: The effects of thermal treatment	POLYMER COMPOSITES	0272-8397	2021	42(3)	1224-1234	3.171	4.171
39.52	Jagadeesh, Praveenkumara; Girijappa, Yashas Gowda Thyavihalli; Puttegowda, Madhu; et al.	Effect of natural filler materials on fiber reinforced hybrid polymer composites: An Overview	JOURNAL OF NATURAL FIBERS	1544-0478	2020	DOI: 10.1080/15440478.2020.1854145	DOI: 10.1080/15440478.2020.1854145	5.323	6.323
39.53	Oladele, Isiaka Oluwole; Abiodun, Baraka; Agbeboh, Newton Itua; et al.	Thermal Stability, Moisture Uptake Potentials and Mechanical Properties of Modified Plant Based Cellulosic Fiber-Animal Wastes Hybrid Reinforced Epoxy Composites	JOURNAL OF NATURAL FIBERS	1544-0478	2020	DOI: 10.1080/15440478.2020.1863290	DOI: 10.1080/15440478.2020.1863290	5.323	6.323
39.54	Sebaey, Tamer A.; Rajak, Dipen Kumar; Mehboob, Hassan	Internally stiffened foam-filled carbon fiber reinforced composite tubes under impact loading for energy absorption applications	COMPOSITE STRUCTURES	0263-8223	2021	255	112910	5.407	6.407
39.55	Golovin, Yu, I; Tyurin, A., I; Golovin, D. Yu; et al.	The Relationship between the Mechanical Properties of Anisotropic Materials and Their Thermophysical Characteristics Using the Example of Pine Wood	TECHNICAL PHYSICS LETTERS	1063-7850	2021	47(1)	92-95	0.714	1.714
39.56	Singh, Chandra Prakash; Patel, Raj Vardhan; Hasan, Mohd Faizul; et al.	Fabrication and evaluation of physical and mechanical properties of jute and coconut coir reinforced polymer matrix composite	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	38	2572-2577	0	1.000
39.57	Dixit, Nidhi; Jain, Prashant K.	3D printed carbon fiber reinforced thermoplastic composites: A review	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	43	678-681	0	1.000
39.58	Liu, Helong; Shi, Wenku; Gao, Rui; et al.	Stiffness Prediction and Analysis of Composite Leaf Springs	IEEE ACCESS	2169-3536	2021	9	54888-54899	3.367	4.367
39.59	Subramaniam, Rajalakshmi; Dhinakaran, Rahul	Design and modeling of an electric vehicle for facilitating door delivery of online orders	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	42	955-961	0	1.000

39.60	Singh, Bhupendra Kumar; Komal, Ujendra Kumar; Singh, Yashpal; et al.	Development of banana fiber reinforced composites from plastic waste	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	44	-2194 2198	0	1.000
39.61	Yaragatti, Neha; Patnaik, Amar	A review on additive manufacturing of polymers composites	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	44	4150-4157	0	1.000
39.62	Ravindran, S.; Sozhamannan, G. G.; Saravanan, L.; et al.	Study on mechanical behaviour of natural fiber reinforced vinylester hybrid composites	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	45	4526-4530	0	1.000
39.63	Deshmukh, Rajkumar; Sanap, Sudarshan; Thakur, Dineshsingh	Theoretical modelling and experimental characterization of composite material for ulna bone plate application	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	46	2580-2586	0	1.000
39.64	Shakir, Muhammad Shabbir; Khosa, Muhammad Kaleem; Zia, Khalid Mahmood; et al.	Investigation of the thermal, mechanical and biological properties of PVC/ABS blends loaded with cobalt chloride for biomedical and electronics applications	JOURNAL OF THE SERBIAN CHEMICAL SOCIETY	0352-5139	2021	86(6)	591-602	1.24	2.240
39.65	Kowshik, Suhas; Gowrishankar, M. C.; Shettar, Manjunath; et al.	Durability prediction analysis on mechanical properties of GFRP upon immersion in water at ambient temperature	COGENT ENGINEERING	331-1916	2021	8(1)	1956869	0	1.000
39.66	Ozdemir, Abdullah Onur; Menkuc, Regaip; Karatas, Cetin	Investigation on the effect of fiber reinforcement style on shear properties of polypropylene composites	PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI	300-7009	2021	27(4)	478-483	0	1.000
39.67	Amer, Akrm A. Rmdan; Abdullah, Mohd Mustafa Al Bakri; Ming, Liew Yun; et al.	Experimental investigation of chopped steel wool fiber at various ratio reinforced cementitious composite panels	ARCHIVES OF CIVIL ENGINEERING	1230-2945	2021	67(3)	661-671	0	1.000
39.68	Frei, M.; Kruis, F. E.	FibeR-CNN: Expanding Mask R-CNN to improve image-based fiber analysis	POWDER TECHNOLOGY	0032-5910	2021	377	974-991	5.134	6.134
39.69	Salunke, Dinesh Ramesh; Gopalan, Venkatachalam	Thermal and Electrical behaviors of Boron Nitride/Epoxy reinforced polymer matrix composite-A review	POLYMER COMPOSITES	0272-8397	2021	42(4)	1659-1669	3.171	4.171
39.70	Bilisik, Kadir; Syduzzaman, Md.	Carbon nanotubes in carbon/epoxy multiscale textile preform composites: A review	POLYMER COMPOSITES	0272-8397	2021	42(4)	1670-1697	3.171	4.171
39.71	Tang, Bin; Chen, Xinzhu; He, Ying; et al.	Fabrication of kapok fibers and natural rubber composites for pressure sensor applications	CELLULOSE	0969-0239	2021	28(4)	2287-2301	5.044	6.044
39.72	Parmar, Hetal; Khan, Tayyab; Tucci, Fausto; et al.	Advanced robotics and additive manufacturing of composites: towards a new era in Industry 4.0	MATERIALS AND MANUFACTURING PROCESSES	1042-6914	2021	DOI: 10.1080/10426914.2020.1866195	DOI: 10.1080/10426914.2020.1866195	4.616	5.616
39.73	Lee, Ching Hao; Khalina, Abdan; Lee, Seng Hua	Importance of Interfacial Adhesion Condition on Characterization of Plant-Fiber-Reinforced Polymer Composites: A Review	Polymers	2073-4360	2021	13(3)	438	4.329	5.329

39.74	Tcherdyntsev, Victor V.	Reinforced Polymer Composites	Polymers	2073-4360	2021	13(4)	564	4.329	5.329
39.75	Sebaey, Tamer A.; Bouhrara, Mohamed; O'Dowd, Noel	Fibre Alignment and Void Assessment in Thermoplastic Carbon Fibre Reinforced Polymers Manufactured by Automated Tape Placement	Polymers	2073-4360	2021	13(3)	473	4.329	5.329
39.76	Primozic, Mateja; Knez, Zeljko; Leitgeb, Maja	(Bio)Nanotechnology in Food Science-Food Packaging	NANOMATERIALS	2079-4991	2021	11(2)	292	5.076	6.076
39.77	Nurazzi, N. M.; Asyraf, M. R. M.; Khalina, A.; et al.	A Review on Natural Fiber Reinforced Polymer Composite for Bullet Proof and Ballistic Applications	Polymers	2073-4360	2021	13(4)	646	4.329	5.329
39.78	Alam, Javed; Yadav, Virendra Kumar; Yadav, Krishna Kumar; et al.	Recent Advances in Methods for the Recovery of Carbon Nanominerals and Polyaromatic Hydrocarbons from Coal Fly Ash and Their Emerging Applications	CRYSTALS	2073-4352	2021	11(2)	88	2.589	3.589
39.79	Erkmen, Berrak; Bayram, Goknur	Improvement in mechanical, electrical, and shape memory properties of the polystyrene-based carbon fiber-reinforced polymer composites containing carbon nanotubes	JOURNAL OF APPLIED POLYMER SCIENCE	0021-8995	2021	138(23)	e50541	3.125	4.125
39.80	Geremew, Anteneh; De Winne, Pieter; Demissie, Tamene Adugna; et al.	Treatment of Natural Fiber for Application in Concrete Pavement	ADVANCES IN CIVIL ENGINEERING	1687-8086	2021	2021	6667965	1.924	2.924
39.81	Kusoglu, Ihsan Murat; Donate-Buendia, Carlos; Barcikowski, Stephan; et al.	Laser Powder Bed Fusion of Polymers: Quantitative Research Direction Indices	Materials	1996-1944	2020	14(5)	1169	3.623	4.623
39.82	Papanicolaou, George C.; Portan, Diana, V; Kontaxis, Lykourgos C.	Interrelation between Fiber-Matrix Interphasial Phenomena and Flexural Stress Relaxation Behavior of a Glass Fiber-Polymer Composite	Polymers	2073-4360	2021	13(6)	978	4.329	5.329
39.83	Stanciu, Mariana Domnica; Draghicescu, Horatiu Teodorescu; Rosca, Ioan Calin	Mechanical Properties of GFRPs Exposed to Tensile, Compression and Tensile-Tensile Cyclic Tests	Polymers	2073-4360	2021	13(6)	898	4.329	5.329
39.84	Dhimole, Vivek Kumar; Serrao, Pruthvi; Cho, Chongdu	Review and Suggestion of Failure Theories in Voids Scenario for VARTM Processed Composite Materials	Polymers	2073-4360	2021	13(6)	969	4.329	5.329
39.85	Weberova, Zuzana; Sourkova, Hana; Anton, Jakub; et al.	New Method for Optimization of Polymer Powder Plasma Treatment for Composite Materials	Polymers	2073-4360	2021	13(6)	965	4.329	5.329
39.86	Kumari, Sanju; Kumar, Ritesh; Rai, Bhuvneshwar; et al.	Effect of Euphorbia Coagulum Content on Fire Retardant and Mechanical Properties of Polyester Bamboo Fiber Composite	FIBERS AND POLYMERS	1229-9197	2021	22(3)	786-792	2.153	3.153
39.87	Hasan, K. M. Faridul; Horvath, Peter Gyorgy; Bak, Miklos; et al.	A state-of-the-art review on coir fiber-reinforced biocomposites	RSC ADVANCES	2046-2069	2021	11(18)	10548-10571	3.361	4.361
39.88	Ahmed, Payman S.; Fadhil, Basim M.; Mshir, Samir; et al.	Experimental and numerical investigation of hybrid armor against a ballistic impact	MULTIDISCIPLINE MODELING IN MATERIALS AND STRUCTURES	1573-6105	2021	17(4)	701-715	0	1.000
39.89	Fernandez, Felipe; Lewicki, James P.; Tortorelli, Daniel A.	Optimal toolpath design of additive manufactured composite cylindrical structures	COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING	0045-7825	2021	376	113673	6.756	7.756

39.90	Ghanbari, Abbas; Seyedin, Shayan; Haddadi, Seyyed Arash; et al.	Reinforcing potential of recycled carbon fibers in compatibilized polypropylene composites	JOURNAL OF POLYMER RESEARCH	1022-9760	2021	28(4)	145	3.097	4.097
39.91	Sanchez, Marcos; Cicero, Sergio; Torabi, Ali Reza; et al.	Critical Load Prediction in Notched E/Glass-Epoxy-Laminated Composites Using the Virtual Isotropic Material Concept Combined with the Average Strain Energy Density Criterion	Polymers	2073-4360	2021	13(7)	1057	4.329	5.329
39.92	Saleem, Anjum; Medina, Luisa; Skrifvars, Mikael	Improvement of Performance Profile of Acrylic Based Polyester Bio-Composites by Bast/Basalt Fibers Hybridization for Automotive Applications	JOURNAL OF COMPOSITES SCIENCE	2504-477X	2021	5(4)	100	0	1.000
39.93	Chua, Corrine Ying Xuan; Liu, Hsuan-Chen; Di Trani, Nicola; et al.	Carbon fiber reinforced polymers for implantable medical devices	BIOMATERIALS	0142-9612	2021	271	120719	12.479	13.479
39.94	Opdahl, Hanna B.; Jensen, David W.	Dimensional Analysis and Optimization of IsoTruss Structures with Outer Longitudinal Members in Uniaxial Compression	Materials	1996-1944	2021	14(8)	2079	3.623	4.623
39.95	Amir, Abd Latif; Ishak, Mohamad Ridzwan; Yidris, Noorfaizal; et al.	Potential of Honeycomb-Filled Composite Structure in Composite Cross-Arm Component: A Review on Recent Progress and Its Mechanical Properties	Polymers	2073-4360	2021	13(8)	1341	4.329	5.329
39.96	Suriani, M. J.; Rapi, Hannah Zalifah; Ilyas, R. A.; et al.	Delamination and Manufacturing Defects in Natural Fiber-Reinforced Hybrid Composite: A Review	Polymers	2073-4360	2021	13(8)	1323	4.329	5.329
39.97	Golovin, Yu, I; Golovin, D. Yu; Tyurin, A., I	Dynamic Thermography for Technical Diagnostics of Materials and Structures	RUSSIAN METALLURGY	0036-0295	2021	2121(4)	512-527	0.007	1.007
39.98	Wuaten, Hence M.; Parung, Herman; Amiruddin, A. Arwin; et al.	Performance of Retrofitted Square Reinforced Concrete Column using Wire Mesh and SCC Subjected to Cyclic Load	CIVIL ENGINEERING JOURNAL-TEHRAN	2676-6957	2021	7(4)	720-729	0	1.000
39.99	Roy, Kumarjyoti; Debnath, Subhas Chandra; Pongwisuthiruchte, Aphiwat; et al.	Recent advances of natural fibers based green rubber composites: Properties, current status, and future perspectives	JOURNAL OF APPLIED POLYMER SCIENCE	0021-8995	2021	138(35)	e50866	3.125	4.125
39.100	Hussein, Arab H.; Dong, Zhizhong; Lynch-Branzoi, Jennifer; et al.	Graphene-reinforced polymer matrix composites fabricated by in situ shear exfoliation of graphite in polymer solution: processing, rheology, microstructure, and properties	NANOTECHNOLOGY	0957-4484	2021	32(17)	175703	3.874	4.874
39.101	Han, Wei; Jiang, Yujing; Zhang, Xuepeng; et al.	Quantitative assessment on the reinforcing behavior of the CFRP-PCM method on tunnel linings	GEOMECHANICS AND ENGINEERING	2005-307X	2021	25(2)	123-134	3.223	4.223
39.102	Kiani, M.; Parvaneh, V.; Dadrasi, A.; et al.	Evaluating Tensile Strength in Butt Fusion and Electrofusion Joints in Nanocomposite HDPE Pipes	EXPERIMENTAL TECHNIQUES	0732-8818	2021	DOI: 10.1007/s40799-021-00477-x	DOI: 10.1007/s40799-021-00477-x	1.167	2.167

39.103	Emmanuela', Opara Uchechukwu; Kuqoa, Aldi; Mai, Carsten	Non-Conventional Mineral Binder-Bonded Lignocellulosic Composite Materials: A Review	BIORESOURCES	1930-2126	2021	16(2)	4606-4648	1.614	2.614
39.104	Khan, Rahib A.; Mahdi, Elsadig; Cabibihan, John-John	Effect of Fibre Orientation on the Quasi-Static Axial Crushing Behaviour of Glass Fibre Reinforced Polyvinyl Chloride Composite Tubes	MATERIALS	1996-1944	2021	14(9)	2235	3.623	4.623
39.105	Kumar, Sanjeev; Prasad, Lalta; Patel, Vinay Kumar; et al.	Physical and Mechanical Properties of Natural Leaf Fiber-Reinforced Epoxy Polyester Composites	Polymers	2073-4360	2021	13(9)	1369	4.329	5.329
39.106	Rahman, Rozyanty; Syed Putra, Syed Zhafer Firdaus; Abd Rahim, Shayfull Zamree; et al.	The Influence of MMA Esterification on Interfacial Adhesion and Mechanical Properties of Hybrid Kenaf Bast/Glass Fiber Reinforced Unsaturated Polyester Composites	MATERIALS	1996-1944	2021	14(9)	2276	3.623	4.623
39.107	Lee, Ching Hao; Khalina, Abdan; Nurazzi, N. Mohd; et al.	The Challenges and Future Perspective of Woven Kenaf Reinforcement in Thermoset Polymer Composites in Malaysia: A Review	Polymers	2073-4360	2021	13(9)	1390	4.329	5.329
39.108	Balea, Ana; Fuente, Elena; Monte, M. Concepcion; et al.	Recycled Fibers for Sustainable Hybrid Fiber Cement Based Material: A Review	MATERIALS	1996-1944	2021	14(9)	2408	3.623	4.623
39.109	Bucki, Piotr; Siwek, Piotr; Ojeda, Alfonso Luis Mora	Characterisation of Two Direct Covers Made of PP and HDPE in the Organic Production of Zucchini	FIBRES & TEXTILES IN EASTERN EUROPE	1230-3666	2021	29(3)	59-65	1.045	2.045
39.110	Siddique, Sheraz Hussain; Faisal, Saira; Mohtashim, Qurat-ul-Ain; et al.	Investigation of Fibre Orientation and Void Content in Bagasse Fibre Composites Using an Image Analysis Technique	FIBRES & TEXTILES IN EASTERN EUROPE	1230-3666	2021	29(3)	26-32	1.045	2.045
39.111	Panda, Subhransu Kumar; Srinivas, J.	Electro-structural analysis and optimization studies of laminated composite beam energy harvester	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2021	DOI: 10.1080/15376494.2021.1922787	DOI: 10.1080/15376494.2021.1922787	4.03	5.030
39.112	Davoyan, Artur R.; Munday, Jeremy N.; Tabiryan, Nelson; et al.	Photonic materials for interstellar solar sailing	OPTICA	2334-2536	2021	8(5)	722-734	11.104	12.104
39.113	Mohammadizadeh, Mahdi; Gupta, Ankit; Fidan, Ismail	Mechanical benchmarking of additively manufactured continuous and short carbon fiber reinforced nylon	JOURNAL OF COMPOSITE MATERIALS	0021-9983	2021	55(25)	3629-3638	2.591	3.591
39.114	Yavas, Denizhan; Zhang, Ziyang; Liu, Qingyang; et al.	Fracture behavior of 3D printed carbon fiber-reinforced polymer composites	COMPOSITES SCIENCE AND TECHNOLOGY	0266-3538	2021	208	108741	8.528	9.528
39.115	Jamshidi, Zahra; Hejazi, Sayyed Mahdi; Sheikhzadeh, Mohammad; et al.	Analysis of impacts of thermal shocks on mechanical properties of E-glass fiber reinforced polyester composites	JOURNAL OF COMPOSITE MATERIALS	0021-9983	2021	55(25)	3687-3698	2.591	3.591
39.116	Chihaoui; Serra-Parareda, Ferran; Tarres, Quim; et al.	Valorization of Date Palm Waste for Plastic Reinforcement: Macro and Micromechanics of Flexural Strength	Polymers	2073-4360	2021	13(11)	1751	4.329	5.329

39.117	Maradini, Grazielle da Silva; Oliveira, Michel Picanco; Carreira, Lilian Gasparelli; et al.	Impact and Tensile Properties of Polyester Nanocomposites Reinforced with Conifer Fiber Cellulose Nanocrystal: A Previous Study Extension	Polymers	2073-4360	2021	13(11)	1878	4.329	5.329
39.118	Wu Mengjin; Jia Lixia; Lu Suling; et al.	Interfacial performance of high-performance fiber-reinforced composites improved by cold plasma treatment: A review	SURFACES AND INTERFACES	2468-0230	2021	24	101077	4.837	5.837
39.119	Alshahrani, Hassan A.	Sensitivity of woven textile sandwich panel faces to Charpy impact properties	MATERIALS RESEARCH EXPRESS	2053-1591	2021	8(6)	065603	1.62	2.620
39.120	Ismail, Nur Farhani; Radzuan, Nabilah Afiqah Mohd; Sulong, Abu Bakar; et al.	The Effect of Alkali Treatment on Physical, Mechanical and Thermal Properties of Kenaf Fiber and Polymer Epoxy Composites	Polymers	2073-4360	2021	13(12)	2005	4.329	5.329
39.121	Bilisik, Kadir; Akter, Mahmuda	Graphene nanocomposites: A review on processes, properties, and applications	JOURNAL OF INDUSTRIAL TEXTILES	1528-0837	2021	DOI: 10.1177/152808372 11024252	15280837 21102420 0	3.732	4.732
39.122	Rani, Manjeet; Choudhary, Priyanka; Krishnan, Venkata; et al.	A review on recycling and reuse methods for carbon fiber/glass fiber composites waste from wind turbine blades	COMPOSITES PART B-ENGINEERING	1359-8368	2021	215	108768	9.078	10.078
39.123	Szewczuk-Karpisz, K., Wiśniewska, M., Medykowska, M., et al.	Simultaneous adsorption of Cu(II) ions and poly(acrylic acid) on the hybrid carbon-mineral nanocomposites with metallic elements	Journal of Hazardous Materials	0304-3894	2021	412	125138	10.129	11.129
39.124	Akincioglu, Sitki	Investigation of effect of abrasive water jet (AWJ) machining parameters on aramid fiber-reinforced polymer (AFRP) composite materials	AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY	1748-8842	2021	93(4)	615-628	0.975	1.975
39.125	Yang, Xiaoyu; Verboven, Erik; Ju, Bing-feng; et al.	Comparative study of ultrasonic techniques for reconstructing the multilayer structure of composites	NDT & E INTERNATIONAL	0963-8695	2021	121	102460	3.739	4.739
39.126	Amir, A. L.; Ishak, M. R.; Yidris, N.; et al.	Advances of composite cross arms with incorporation of material core structures: Manufacturability, recent progress and views	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	2238-7854	2021	13	1115-1131	5.039	6.039
39.127	Balikoglu, Fatih; Demircioglu, Tayfur K.; Diler, Ege A.; et al.	Effect of quasi-static and intermediate strain rates on the tensile properties of hybrid polymer composites	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE	0954-4062	2021	DOI: 10.1177/095440622 11028878	09544062 21102887 8	1.762	2.762
39.128	Komal, Ujendra Kumar; Lila, Manish Kumar; Singh, Inderdeep	Processing of PLA/pineapple fiber based next generation composites	MATERIALS AND MANUFACTURING PROCESSES	1042-6914	2021	36(14)	1677-1692	4.616	5.616
39.129	Kumar, S. Dinesh; Sankar, L. Ponraj; Sathish, T.; et al.	Improving the Mechanical Properties of Natural Fiber Composites of Hemp Fiber with Ramie and Banana Fiber through Compression Molding Method	ADVANCES IN MATERIALS SCIENCE AND ENGINEERING	1687-8434	2021	2021	7813634	1.726	2.726

39.130	Datta, Mallika; Das, Debasish; Nath, Devarun	Fiber length - the persuadable factor in making natural fiber composite: a review	RESEARCH JOURNAL OF TEXTILE AND APPAREL	1560-6074	2021	DOI: 10.1108/RJTA-12-2020-0146	DOI: 10.1108/RJTA-12-2020-0146	0	1.000
39.131	Dharmavarapu, Pratibha; Reddy, Sreekara M. B. S.	Aramid fibre as potential reinforcement for polymer matrix composites: a review	EMERGENT MATERIALS	2522-5731	2021	DOI: 10.1007/s42247-021-00246-x	DOI: 10.1007/s42247-021-00246-x	0	1.000
39.132	Shieddieque, Apang Djafar; Mardiyati; Suratman, Rochim; et al.	Preparation and Characterization of Sansevieria trifasciata Fiber/High-Impact Polypropylene and Sansevieria trifasciata Fiber/Vinyl Ester Biocomposites for Automotive Applications	INTERNATIONAL JOURNAL OF TECHNOLOGY	2086-9614	2021	12(3)	549-560	0	1.000
39.133	Silvestri, Alessia Teresa; Papa, Ilaria; Rubino, Felice; et al.	On the critical technological issues of CFF: enhancing the bearing strength	MATERIALS AND MANUFACTURING PROCESSES	1042-6914	2021	DOI: 10.1080/10426914.2021.1954195	DOI: 10.1080/10426914.2021.1954195	4.616	5.616
39.134	Shinde, Vinita V.; Shelke, Shreyas D.; Celestine, Asha-Dee N.; et al.	Self-healing in high impact polystyrene (HIPS) composites via embedded non-toxic solvent-filled microcapsules	JOURNAL OF APPLIED POLYMER SCIENCE	0021-8995	2021	139(2)	e51463	3.125	4.125
39.135	Bergamo, Edmara T. P.; Bastos, Tiago M. C.; Lopes, Adolfo C. O.; et al.	Physicochemical and mechanical characterization of a fiber-reinforced composite used as frameworks of implant-supported prostheses	DENTAL MATERIALS	0109-5641	2021	37(8)	E443-E453	5.304	6.304
39.136	Alshammari, Basheer A.; Alsuhybani, Mohammed S.; Almushaikeh, Alaa M.; et al.	Comprehensive Review of the Properties and Modifications of Carbon Fiber-Reinforced Thermoplastic Composites	Polymers	2073-4360	2021	13(15)	2474	4.329	5.329
39.137	Khui, Perry Law Nyuk; Rahman, Md Rezaur; Kuok, Kuok King; et al.	Small-size Jatropha Seed Biochar Extracted from Microwave Pyrolysis: Optimization of Its Biocomposites Mechanical Properties by Mixture Design	BIORESOURCES	1930-2126	2021	16(3)	4716-4730	1.614	2.614
39.138	Pervaiz, Salman; Qureshi, Taimur Ali; Kashwani, Ghanim; et al.	3D Printing of Fiber-Reinforced Plastic Composites Using Fused Deposition Modeling: A Status Review	MATERIALS	1996-1944	2021	14(16)	4520	3.623	4.623
39.139	Salahuddin, Bidita; Faisal, Shaikh N.; Baigh, Tajwar A.; et al.	Carbonaceous Materials Coated Carbon Fibre Reinforced Polymer Matrix Composites	Polymers	2073-4360	2021	13(16)	2771	4.329	5.329
39.140	Vandzura, Radoslav; Simkulet, Vladimir; Hatala, Michal; et al.	Evaluation of the Yield Strength of a Carbon Composite Material Prepared by Wet Lamination and Vacuum Bag Molding	TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS	2217-8309	2021	10(3)	-1045 1050	0	1.000

39.141	Olusesi, O. S.; Udoye, N. E.	Development and characterization of AA6061 aluminium alloy/clay and rice husk ash composite	MANUFACTURING LETTERS	2213-8463	2021	29	34-41	0	1.000
39.142	Hadi, Agung Efriyo; Hamdan, Mohammad Hazim Mohamad; Siregar, Januar Parlaungan; et al.	Application of Micromechanical Modelling for the Evaluation of Elastic Moduli of Hybrid Woven Jute-Ramie Reinforced Unsaturated Polyester Composites	Polymers	2073-4360	2021	13(15)	2572	4.329	5.329
39.143	Singh, Kalyan Kumar; Thakur, Raju Kumar	Experimental analysis on carbon nanotube embedded GFRP composites during AWJM	MATERIALS AND MANUFACTURING PROCESSES	1042-6914	2021	DOI: 10.1080/10426914.2021.1960997	DOI: 10.1080/10426914.2021.1960997	4.616	5.616
39.144	Kumar, Vipin; Yeole, Pritesh; Majed, Ahmad; et al.	MXene Reinforced Thermosetting Composite for Lightning Strike Protection of Carbon Fiber Reinforced Polymer	ADVANCED MATERIALS INTERFACES	2196-7350	2021	8(17)	2100803	6.147	7.147
39.145	Rajeshkumar, G.; Seshadri, S. Arvindh; Devnani, G. L.; et al.	Environment friendly, renewable and sustainable poly lactic acid (PLA) based natural fiber reinforced composites-A comprehensive review	JOURNAL OF CLEANER PRODUCTION	0959-6526	2021	310	127483	9.297	10.297
39.146	Mohanavel, Vinayagam; Raja, Thandavamoorthy; Yadav, Anshul; et al.	Evaluation of Mechanical and Thermal Properties of Jute and Ramie Reinforced Epoxy-based Hybrid Composites	JOURNAL OF NATURAL FIBERS	1544-0478	2021	DOI: 10.1080/15440478.2021.1958432	DOI: 10.1080/15440478.2021.1958432	5.323	6.323
39.147	Wang, Wenzhen; Shen, Aiqin; Lyu, Zhenghua; et al.	Fresh and rheological characteristics of fiber reinforced concrete-A review	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2021	296	123734	6.141	7.141
39.148	Klaai, Lisa; Hammiche, Dalila; Boukerrou, Amar; et al.	On the use of prickly pear seed fibres as reinforcement in polylactic acid biocomposites	EMERGENT MATERIALS	2522-5731	2021	DOI: 10.1007/s42247-021-00288-1	DOI: 10.1007/s42247-021-00288-1	0	1.000
39.149	Zheng, Sijia; D'Angelo, Anthony; Zell, Ute; et al.	Naked alpaca wool works better with silicone elastomers	GREEN CHEMISTRY	1463-9262	2021	23(19)	7692-7700	10.182	11.182
39.150	Bednarz, Bartosz; Popielski, Pawel; Sienko, Rafal; et al.	Distributed Fibre Optic Sensing (DFOS) for Deformation Assessment of Composite Collectors and Pipelines	SENSORS	1424-8220	2021	21(17)	5904	3.576	4.576
39.151	Najeeb, Muhammad Imran; Sultan, Mohamed Thariq Hameed; Shah, Ain Umaira Md; et al.	Low-Velocity Impact Analysis of Pineapple Leaf Fiber (PALF) Hybrid Composites	Polymers	2073-4360	2021	13(18)	3194	4.329	5.329

39.152	James, Johny; Annamalai, A. Raja; Muthuchamy, A.; et al.	Effect of Wettability and Uniform Distribution of Reinforcement Particle on Mechanical Property (Tensile) in Aluminum Metal Matrix Composite-A Review	NANOMATERIALS	2079-4991	2021	11(9)	2230	5.076	6.076
39.153	Yadav, Virendra Kumar; Yadav, Krishna Kumar; Tirth, Vineet; et al.	Recent Advances in Methods for Recovery of Cenospheres from Fly Ash and Their Emerging Applications in Ceramics, Composites, Polymers and Environmental Cleanup	CRYSTALS	2073-4352	2021	11(9)	1067	2.589	3.589
39.154	Zhang, Xijun; Du, Mingrui; Fang, Hongyuan; et al.	Polymer-modified cement mortars: Their enhanced properties, applications, prospects, and challenges	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2021	299	124290	6.141	7.141
39.155	Jawaid, Mohammad; Awad, Sameer A.; Asim, Mohammad; et al.	A comparative evaluation of chemical, mechanical, and thermal properties of oil palm fiber/pineapple fiber reinforced phenolic hybrid composites	POLYMER COMPOSITES	0272-8397	2021	DOI: 10.1002/pc.26305	DOI: 10.1002/pc.26305	3.171	4.171
39.156	Sathish, T.; Palani, Kumaran; Natrayan, L.; et al.	Synthesis and Characterization of Polypropylene/Ramie Fiber with Hemp Fiber and Coir Fiber Natural Biopolymer Composite for Biomedical Application	INTERNATIONAL JOURNAL OF POLYMER SCIENCE	1687-9422	2021	2021	2462873	2.642	3.642
39.157	Demircan, G.; Kisa, M.; Ozen, M.; et al.	Quasi-Static Penetration Behavior of Glass-Fiber-Reinforced Epoxy Nanocomposites	MECHANICS OF COMPOSITE MATERIALS	0191-5665	2021	57(4)	503-516	1.333	2.333
39.158	Ojha, Shakuntala; Pranay, V; Raghavendra, Gujjala; et al.	Experimental evaluation and comparison of silica/biocarbon particulate-epoxy composites for high-strength applications	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS	1464-4207	2021	14644207211043506	14644207211043506	2.311	3.311
39.159	Kania, Adrianna; Berent, Katarzyna; Mazur, Tomasz; et al.	3D printed composites with uniform distribution of Fe3O4 nanoparticles and magnetic shape anisotropy	ADDITIVE MANUFACTURING	2214-8604	2021	46	102149	10.998	11.998
39.160	Cheng, Fei; Zheng, Chenggong; Liu, Yunfei; et al.	Lightweight Design of CFRP-Laminated Structures by Combining Microscopical Homogenization and Macroscopical Optimization	INTERNATIONAL JOURNAL OF AUTOMOTIVE TECHNOLOGY	1229-9138	2021	22(5)	1427-1436	1.269	2.269
39.161	Wang, Xin; Chen, Zhiyuan; Ding, Lining; et al.	Long-term flexural behavior of concrete beams with hybrid FRP and steel reinforcements in simulated marine environment	STRUCTURES	2352-0124	2021	33	4556-4567	2.983	3.983
39.162	Farokhi Nejad, Ali; Bin Salim, Mohamad Yusuf; Rahimian Koloor, Seyed Saeid; et al.	Hybrid and Synthetic FRP Composites under Different Strain Rates: A Review	Polymers	2073-4360	2021	13(19)	3400	4.329	5.329
39.163	Masud, Manzar; Al Kharusi, Moosa S. M.; Ali, Muhammad Umair; et al.	Prediction of the Ultimate Strength of Notched and Unnotched IM7/977-3 Laminated Composites Using a Micromechanics Approach	Polymers	2073-4360	2021	13(20)	3491	4.329	5.329
39.164	Khare, Jeetendra Mohan; Dahiya, Sanjeev; Gangil, Brijesh; et al.	Comparative Analysis of Erosive Wear Behaviour of Epoxy, Polyester and Vinyl Esters Based Thermosetting Polymer Composites for Human Prosthetic Applications Using Taguchi Design	Polymers	2073-4360	2021	13(20)	3607	4.329	5.329

39.165	Bilisik, Kadir; Akter, Mahmuda	Graphene nanoplatelets/epoxy nanocomposites: A review on functionalization, characterization techniques, properties, and applications	JOURNAL OF REINFORCED PLASTICS AND COMPOSITES	0731-6844	2021	07316844211049277	07316844211049277	3.71	4.710
39.166	Li, Jianbin; Zhang, Zhifang; Fu, Jiyang; et al.	Mechanical properties and structural health monitoring performance of carbon nanotube-modified FRP composites: A review	NANOTECHNOLOGY REVIEWS	2191-9089	2021	10(1)	1438-1468	7.848	8.848
39.167	Fazli, Ali; Rodrigue, Denis	Phase morphology, mechanical, and thermal properties of fiber-reinforced thermoplastic elastomer: Effects of blend composition and compatibilization	JOURNAL OF REINFORCED PLASTICS AND COMPOSITES	0731-6844	2021	07316844211051749	07316844211051749	3.71	4.710
39.168	Zhang, Yifei; Liu, Dun; Zhang, Weijie; et al.	Damage study of fiber-reinforced composites drilled by abrasive waterjet -challenges and opportunities	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	0268-3768	2021	DOI: 10.1007/s00170-021-08246-1	DOI: 10.1007/s00170-021-08246-1	3.226	4.226
39.169	Wei; Jiang, Yujing; Li, Ningbo; et al.	Failure behavior and reinforcing design of degraded tunnel linings based on the three-dimensional numerical evaluation	ENGINEERING FAILURE ANALYSIS	1350-6307	2021	129	105677	3.114	4.114
39.170	Zhang, Ziyang; Yavas, Denizhan; Liu, Qingyang; et al.	Effect of build orientation and raster pattern on the fracture behavior of carbon fiber reinforced polymer composites fabricated by additive manufacturing	ADDITIVE MANUFACTURING	2214-8604	2021	47	102204	10.998	11.998
39.171	Uflyand, Igor E.; Irzhak, Vadim I.	Recent advances in the study of structure and properties of fiber composites with an epoxy matrix	JOURNAL OF POLYMER RESEARCH	1022-9760	2021	28(11)	440	3.097	4.097
39.172	Antonio Butenegro, Jose; Bahrami, Mohsen; Abenojar, Juana; et al.	Recent Progress in Carbon Fiber Reinforced Polymers Recycling: A Review of Recycling Methods and Reuse of Carbon Fibers	MATERIALS	1996-1944	2021	14(21)	6401	3.623	4.623
39.173	Scaffaro, Roberto; Di Bartolo, Alberto; Dintcheva, Nadka Tz	Matrix and Filler Recycling of Carbon and Glass Fiber-Reinforced Polymer Composites: A Review	Polymers	2073-4360	2021	13(21)	3817	4.329	5.329
39.174	Loganathan, Tamil Moli; Hameed Sultan, Mohamed Thariq; Ahsan, Qumrul; et al.	Effect of Cyrtostachys renda Fiber Loading on the Mechanical, Morphology, and Flammability Properties of Multi-Walled Carbon Nanotubes/Phenolic Bio-Composites	NANOMATERIALS	2079-4991	2021	11(11)	3049	5.076	6.076
39.175	Lehrecke, August; Tucker, Cody; Yang, Xiliu; et al.	Tailored Lace: Moldless Fabrication of 3D Bio-Composite Structures through an Integrative Design and Fabrication Process	APPLIED SCIENCES-BASEL	2076-3417	2021	11(22)	10989	2.679	3.679
39.176	Hansen, Steffen; Bredendiek, Christian; Briese, Gunnar; et al.	A SiGe-Chip-Based D-Band FMCW-Radar Sensor With 53-GHz Tuning Range for High Resolution Measurements in Industrial Applications	IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES	0018-9480	2021	DOI: 10.1109/TMTT.2021.3121746	DOI: 10.1109/TMTT.2021.3121746	3.599	4.599

39.177	Rangaswamy, Hanumantharaya; Harsha, H. M.; Chandrashekarappa, Manjunath Patel Gowdru; et al.	Experimental investigation and optimization of compression moulding parameters for MWCNT/ glass/kevlar/epoxy composites on mechanical and tribological properties	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	2238-7854	2021	15	327-341	5.039	6.039
39.178	Do Van Cong; Nguyen Vu Giang; Tran Huu Trung; et al.	Novel biocomposite from polyamide 11 and jute fibres: the significance of fibre modification with SiO2 nanoparticles	POLYMER INTERNATIONAL	0959-8103	2021	DOI: 10.1002/pi.6316	DOI: 10.1002/pi.6316	2.99	3.990
39.179	Kumar, R. Kalyan; Omkumar, M.	Experimental investigation on ultrasonic vibration-assisted manufacturing of fiber-reinforced thermoplastics	MATERIALS AND MANUFACTURING PROCESSES	1042-6914	2021	DOI: 10.1080/10426914.2021.2001504	DOI: 10.1080/10426914.2021.2001504	4.616	5.616
39.180	Yuan, X. W.; Xiao, Z. M.; Zhang, Y. M.	Numerical investigation of fracture behavior by crazing in graphene reinforced polymers	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2021	DOI: 10.1080/15376494.2021.2005191	DOI: 10.1080/15376494.2021.2005191	4.03	5.030
39.181	Thakur, Raju Kumar; Singh, Kalyan Kumar	Impact of MWCNT in CFRP composite during end milling process	MATERIALS AND MANUFACTURING PROCESSES	1042-6914	2021	DOI: 10.1080/10426914.2021.2001517	DOI: 10.1080/10426914.2021.2001517	4.616	5.616
39.182	Alabtah, Fatima Ghassan; Mahdi, Elsadig; Eliyan, Faysal Fayez	The use of fiber reinforced polymeric composites in pipelines: A review	COMPOSITE STRUCTURES	0263-8223	2021	276	114595	5.407	6.407
39.183	Zhu, Pingyu; Liu, Pan; Wang, Zun; et al.	Evaluating and Minimizing Induced Microbending Losses in Optical Fiber Sensors Embedded Into Glass-Fiber Composites	JOURNAL OF LIGHTWAVE TECHNOLOGY	733-8724	2021	39(22)	7315-7325	4.142	5.142
39.184	Poornesh, M.; Bhat, Shreeranga; Gijo, E., V; et al.	Multi-objective modelling and optimization of Al-Si-SiC composite material: a multi-disciplinary approach	MULTISCALE AND MULTIDISCIPLINARY MODELING EXPERIMENTS AND DESIGN	2520-8160	2021	DOI: 10.1007/s41939-021-00105-6	DOI: 10.1007/s41939-021-00105-6	0	1.000
39.185	Abdul Kudus, Muhammad Helmi; Ratnam, Mani Maran; Md Akil, Hazizan	Image processing method for delamination and fiber pull-out assessment during drilling of natural fiber composites	JOURNAL OF REINFORCED PLASTICS AND COMPOSITES	0731-6844	2021	0731684421105173 4	0731684421105173 4	3.71	4.710
39.186	Ciecielag, Krzysztof; Skoczylas, Agnieszka; Matuszak, Jakub; et al.	Defect detection and localization in polymer composites based on drilling force signal by recurrence analysis	MEASUREMENT	0263-2241	2021	186	110126	3.927	4.927

39.187	Arulvel, S.; Reddy, D. Mallikarjuna; Rufuss, D. Dsilva Winfred; et al.	A comprehensive review on mechanical and surface characteristics of composites reinforced with coated fibres	SURFACES AND INTERFACES	2468-0230	2021	27	101449	4.837	5.837
39.188	Kumar, Arun; Biswal, Manoranjan; Mohanty, Smita; et al.	Recent developments of lignocellulosic natural fiber reinforced hybrid thermosetting composites for high-end structural applications: a review	JOURNAL OF POLYMER RESEARCH	1022-9760	2021	28(12)	459	3.097	4.097
39.189	Wong, Kien Pang; Hassan, Cik Suhana; Pei, Qiang; et al.	Crash behaviour of unidirectional oil palm empty fruit bunch fibre-reinforced polypropylene composite car bumper fascias using finite element analysis	FUNCTIONAL COMPOSITES AND STRUCTURES	2631-6331	2021	3(4)	044001	0	1.000
39.190	Khatri, Nava Raj; Islam, Md Nurul; Cao, Peng-Fei; et al.	Integrating helicoid channels for passive control of fiber alignment in direct-write 3D printing	ADDITIVE MANUFACTURING	2214-8604	2021	48	102419	10.998	11.998
39.191	Bergamo, Edmara T. P.; Yamaguchi, Satoshi; Lopes, Adolfo C. O.; et al.	Performance of crowns cemented on a fiber-reinforced composite framework 5-unit implant-supported prostheses: in silico and fatigue analyses	DENTAL MATERIALS	0109-5641	2021	37(12)	1783-1793	5.304	6.304
39.192	Pereira, Alejandro; Tielas, Alberto; Prado, Teresa; et al.	Processing and Testing of Reinforced PA66 Based Composites	MATERIALS	1996-1944	2021	14(23)	7299	3.623	4.623
39.193	Bechir, Farah; Bataga, Simona Maria; Tohati, Adrian; et al.	Evaluation of the Behavior of Two CAD/CAM Fiber-Reinforced Composite Dental Materials by Immersion Tests	MATERIALS	1996-1944	2021	14(23)	7185	3.623	4.623
39.194	Osorio-Arciniega, Rodrigo; Garcia-Hipolito, Manuel; Alvarez-Fregoso, Octavio; et al.	Composite Fiber Spun Mat Synthesis and In Vitro Biocompatibility for Guide Tissue Engineering	MOLECULES	1420-3049	2021	26(24)	7597	4.412	5.412
39.195	Chang, Jih-Hsing; Tsai, Ya-Shiuan; Yang, Pei-Yu	A Review of Glass Fibre Recycling Technology Using Chemical and Mechanical Separation of Surface Sizing Agents	RECYCLING	2313-4321	2021	6(4)	79	0	1.000
39.196	Zanichelli, Andrea; Colpo, Angelica; Friedrich, Leandro; et al.	A Novel Implementation of the LDEM in the Ansys LS-DYNA Finite Element Code	MATERIALS	1996-1944	2021	14(24)	7792	3.623	4.623
39.197	Martijanti, Martijanti; Sutarno, Sutarno; Juwono, Ariadne L.	Polymer Composite Fabrication Reinforced with Bamboo Fiber for Particle Board Product Raw Material Application	Polymers	2073-4360	2021	13(24)	4377	4.329	5.329
39.198	Sumdani, Md Gulam; Islam, Muhammad Remanul; Yahaya, Ahmad Naim A.; et al.	Recent advancements in synthesis, properties, and applications of conductive polymers for electrochemical energy storage devices: A review	POLYMER ENGINEERING AND SCIENCE	0032-3888	2021	DOI: 10.1002/pen.25859	DOI: 10.1002/pen.25859	2.428	3.428
39.199	Bayazeid, Sultan M.; Poon, Kim-Leng; Subeshan, Balakrishnan; et al.	Recovery of impact-damaged carbon fiber-reinforced composites using induction heating	JOURNAL OF COMPOSITE MATERIALS	0021-9983	2021	00219983211058796	00219983211058796	2.591	3.591

39.200	Tee, Zhao Yi; Yeap, Swee Pin; Hassan, Cik Suhana; et al.	Nano and non-nano fillers in enhancing mechanical properties of epoxy resins: a brief review	POLYMER-PLASTICS TECHNOLOGY AND MATERIALS	2574-0881	2021	DOI: 10.1080/25740881.2021.2015778	DOI: 10.1080/25740881.2021.2015778	2.371	3.371
39.201	Uflyand, Igor E.; Irzhak, Tamara F.; Irzhak, Vadim I.	Formation of fiber composites with an epoxy matrix: state-of-the-art and future development	MATERIALS AND MANUFACTURING PROCESSES	1042-6914	2021	DOI: 10.1080/10426914.2021.2016820	DOI: 10.1080/10426914.2021.2016820	4.616	5.616
39.202	Rakesh, P.; More, A.; Kumar, M.; et al.	Probabilistic failure prediction in a double composite cantilever beam with single and double source uncertainty	COMPOSITE STRUCTURES	0263-8223	2022	279	114870	5.407	6.407
39.203	Shah, Ismail; Li, Jing; Yang, Shengyuan; et al.	Experimental Investigation on the Mechanical Properties of Natural Fiber Reinforced Concrete	JOURNAL OF RENEWABLE MATERIALS	2164-6325	2022	10(5)	1307-1320	1.67	2.670
39.204	Kim, Hyun Keun; Kim, Jaehoo; Kim, Donghwi; et al.	Vibration and Sound Response of Glass-Fiber-Reinforced Polyamide 6 Using Microcellular-Foaming-Process-Applied Injection Molding Process	Polymers	2073-4360	2022	14(1)	173	4.329	5.329
39.205	Anirudh, V. P.; Krishna, S. A. Ajay; Akshat, A.; et al.	Virtual fatigue analysis of epoxy based composite reinforced with sugarcane fibre, fly ash and carbon nano tubesVirtuelle Ermudungsanalyse von mit Zuckerrohrfasern, Flugasche und Kohlenstoffnanorohren verstarkten Verbundwerkstoffen auf Epoxidbasis	MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK	0933-5137	2022	53(1)	56-67	0.854	1.854
39.206	Kojima, Tomohisa; Sato, Daigo; Notomi, Mitsuo	Damping properties of pre-stressed shape-memory polymer sandwich beam	INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY	0268-1900	2022	64(1)	78-92	0.649	1.649
39.207	Kumar, Aman; Arora, Harish Chandra; Mohammed, Mazin Abed; et al.	An Optimized Neuro-Bee Algorithm Approach to Predict the FRP-Concrete Bond Strength of RC Beams	IEEE ACCESS	2169-3536	2022	10	3790-3806	3.367	4.367
39.208	Si, Jianhui; Qiu, Shixiong; Feng, Shuyang; et al.	Experimental study on axial compression buckling of glass fiber reinforced plastics solid pole with circular cross-section	ADVANCES IN STRUCTURAL ENGINEERING	1369-4332	2022	DOI: 10.1177/13694332211054226	DOI: 10.1177/13694332211054226	1.8	2.800
40	**D.I. Stoia, L. Marsavina, E. Linul (Autor corespondent)**	**Correlations between Process Parameters and Outcome Properties of Laser-Sintered Polyamide**	**Polymers**	**2073-4360**	**2019**	**11(11)**	**1850**	**4.329**	
40.1	Fernandes, Fabio A. O.; Pereira, Antonio B.; Guimaraes, Bernardo; et al.	Laser Welding of Transmitting High-Performance Engineering Thermoplastics	Polymers	2073-4360	2020	12(2)	402	4.329	5.329

40.2	Brighenti, Roberto; Cosma, Mattia Pancrazio; Marsavina, Liviu; et al.	Laser-based additively manufactured polymers: a review on processes and mechanical models	JOURNAL OF MATERIALS SCIENCE	0022-2461	2021	56(2)	961-998	4.22	5.220
40.3	Yao, Bibo; Li, Zhenhua; Zhu, Fei	Effect of powder recycling on anisotropic tensile properties of selective laser sintered PA2200 polyamide	EUROPEAN POLYMER JOURNAL	0014-3057	2020	141	110093	4.598	5.598
40.4	Kuzmin, Oleg	Super-hard coatings deposited under conditions of the dynamic shock wave and measurement features of control parameters during production	JOURNAL OF THE MECHANICAL BEHAVIOR OF MATERIALS	2191-0243	2020	29(1)	169-176	0	1.000
40.5	Tan, Lisa Jiaying; Zhu, Wei; Sagar, Kaushal; et al.	Comparative study on the selective laser sintering of polypropylene homopolymer and copolymer: processability, crystallization kinetics, crystal phases and mechanical properties	ADDITIVE MANUFACTURING	2214-8604	2021	37	101610	10.998	11.998
40.6	Nussbaum, Justin; Kaur, Taranjot; Harmon, Julie; et al.	Impact of sintering time and temperature on mechanical properties in projection sintering of Polyamide-12	ADDITIVE MANUFACTURING	2214-8604	2021	37	101652	10.998	11.998
40.7	Lupone, F.; Padovano, E.; Pietroluongo, M.; et al.	Optimization of selective laser sintering process conditions using stable sintering region approach	EXPRESS POLYMER LETTERS	1788-618X	2021	15(2)	177-192	4.161	5.161
40.8	Stoia, Dan Ioan; Vigaru, Cosmina; Opris, Carmen; et al.	Properties and Medical Applications of Biocompatible Polyamide in Additive Manufacturing	MATERIALE PLASTICE	2668-8220	2021	58(1)	113-120	0.593	1.593
40.9	Derban, Paula; Negrea, Romeo; Rominu, Mihai; et al.	Influence of the Printing Angle and Load Direction on Flexure Strength in 3D Printed Materials for Provisional Dental Restorations	MATERIALS	1996-1944	2021	14(12)	3376	3.623	4.623
40.10	Xie, Dongxu; Dittmeyer, Roland	Correlations of laser scanning parameters and porous structure properties of permeable materials made by laser-beam powder-bed fusion	ADDITIVE MANUFACTURING	2214-8604	2021	47	102261	10.998	11.998
41	**T. Fiedler, K. Al-Sahlani, P. A. Linul, E. Linul**	**Mechanical properties of A356 and ZA27 metallic syntactic foams at cryogenic temperature**	**Journal of Alloys and Compounds**	**0925-8388**	**2020**	**813**	**152181**	**4.65**	
41.1	Rao, D. W.; Yang, Y. W.; Huang, Y.; et al.	Microstructure and compressive properties of aluminum matrix syntactic foams containing Al2O3 hollow particles	KOVOVE MATERIALY-METALLIC MATERIALS	0023-432X	2020	58(6)	395-407	1.068	2.068
41.2	Yang, Xudong; Hu, Qi; Li, Weiting; et al.	Compression-compression fatigue performance of aluminium matrix composite foams reinforced by carbon nanotubes	FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES	8756-758X	2020	43(4)	744-756	3.459	4.459
41.3	Das, Sourav; Rajak, Dipen Kumar; Khanna, Sanjeev; et al.	Energy Absorption Behavior of Al-SiC-Graphene Composite Foam under a High Strain Rate	MATERIALS	1996-1944	2020	13(3)	783	3.623	4.623

41.4	Lu, Xiaotong; Luo, Hongjie; Yang, Shijie; et al.	Two-step foaming process combined with hot-rolling in fabrication of an aluminium foam sandwich panel	MATERIALS LETTERS	0167-577X	2020	265	127427	3.423	4.423
41.5	Wang, Han; Su, Mingming; Hao, Hai	The quasi-static axial compressive properties and energy absorption behavior of ex-situ ordered aluminum cellular structure filled tubes	COMPOSITE STRUCTURES	0263-8223	2020	239	112039	5.407	6.407
41.6	Movahedi, Nima; Murch, Graeme E.; Belova, Irina V.; et al.	Manufacturing and compressive properties of tube-filled metal syntactic foams	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2020	822	153465	5.316	6.316
41.7	Yin, Dejun; Zheng, Jian; Xiong, Chao; et al.	Analytical, Numerical, and Experimental Investigations on Transverse Bending Responses of CFRP Square Tube Filled with Aluminum Foam	MATHEMATICAL PROBLEMS IN ENGINEERING	1024-123X	2020	2020	8764349	1.305	2.305
41.8	Wang, Yonghui; Zhang, Boyi; Lu, Jingyi; et al.	Quasi-static crushing behaviour of the energy absorbing connector with polyurethane foam and multiple pleated plates	ENGINEERING STRUCTURES	0141-0296	2020	211	110404	4.471	5.471
41.9	Kumar, S. J. Amith; Kumar, S. J. Ajith; Nagaraja, Bharath K.	Thermal stability and flammability characteristics of phenolic syntactic foam core sandwich composites	JOURNAL OF SANDWICH STRUCTURES & MATERIALS	1099-6362	2020	23(7)	3234-3249	5.497	6.497
41.10	Islam, M. A.; Kader, M. A.; Hazell, P. J.; et al.	Effects of impactor shape on the deformation and energy absorption of closed cell aluminium foams under low velocity impact	MATERIALS & DESIGN	0264-1275	2020	191	108599	7.991	8.991
41.11	Lehmhus, Dirk; Weise, Joerg; Szlancsik, Attila; et al.	Fracture Toughness of Hollow Glass Microsphere-Filled Iron Matrix Syntactic Foams	MATERIALS	1996-1944	2020	13(11)	2566	3.623	4.623
41.12	Kumar, S. J. Amith; Kumar, S. J. Ajith	Low-velocity impact damage and energy absorption characteristics of stiffened syntactic foam core sandwich composites	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2020	246	UNSP 118412	6.141	7.141
41.13	Mudassir, Mohammed; Tarlochan, Faris; Mansour, Mahmoud Ashraf	Nature-Inspired Cellular Structure Design for Electric Vehicle Battery Compartment: Application to Crashworthiness	APPLIED SCIENCES-BASEL	2076-3417	2020	10(13)	4532	2.679	3.679
41.14	Orbulov, Imre Norbert; Szlancsik, Attila; Kemeny, Alexandra; et al.	Compressive mechanical properties of low-cost, aluminium matrix syntactic foams	COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING	1359-835X	2020	135	105923	7.664	8.664
41.15	Kannan, Sathish; Pervaiz, Salman; Jahan, Muhammad Pervej; et al.	Cryogenic Drilling of AZ31 Magnesium Syntactic Foams	MATERIALS	1996-1944	2020	13(18)	4094	3.623	4.623
41.16	Kaczynski, Pawel; Ptak, Mariusz; Gawdzinska, Katarzyna	Energy absorption of cast metal and composite foams tested in extremely low and high-temperatures	MATERIALS & DESIGN	0264-1275	2020	196	109114	7.991	8.991

41.17	Broxtermann, S.; Su, M. M.; Hao, H.; et al.	Comparative study of stir casting and infiltration casting of expanded glass-aluminium syntactic foams	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2020	845	155415	5.316	6.316
41.18	Kemeny, Alexandra; Leveles, Borbala; Bubonyi, Tamas; et al.	Effect of particle size and volume ratio of ceramic hollow spheres on the mechanical properties of bimodal composite metal foams	COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING	1359-835X	2021	140	106152	7.664	8.664
41.19	Bolat, Cagin; Bilge, Gokhan; Goksenli, Ali	An Investigation on the Effect of Heat Treatment on the Compression Behavior of Aluminum Matrix Syntactic Foam Fabricated by Sandwich Infiltration Casting	MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS	1516-1439	2021	24(2)	DOI: 10.1590/1980-5372-MR	1.524	2.524
41.20	Kincses, Domonkos Balazs; Karoly, Dora; Bukor, Csongor	Production and testing of syntactic metal foams with graded filler volume	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	45	4225-4228	0	1.000
41.21	Meng, Jin; Liu, Tian-Wei; Wang, Hai-Ying; et al.	Ultra-high energy absorption high-entropy alloy syntactic foam	Composites Part B	1359-8368	2021	207	108563	9.078	10.078
41.22	Wang, Li; Zhang, Boyi; Zhang, Jian; et al.	Deformation and energy absorption properties of cenosphere-aluminum syntactic foam-filled tubes under axial compression	THIN-WALLED STRUCTURES	0263-8231	2021	160	107364	4.442	5.442
41.23	Zhao, Dengchuan; Wu, Guoqing; Wang, Jinliang; et al.	Quantitative homogeneity assessment of particle reinforced magnesium-lithium composite ingot by homogeneity factors	COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING	1359-835X	2021	142	106268	7.664	8.664
41.24	Kemeny, Alexandra; Leveles, Borbala; Kincses, Domonkos Balazs; et al.	Manufacturing and Investigation of In Situ and Ex Situ Produced Aluminum Matrix Foam-Filled Tubes	ADVANCED ENGINEERING MATERIALS	1438-1656	2021	DOI: 10.1002/adem.202100365	DOI: 10.1002/adem.202100365	3.862	4.862
41.25	Huang, Wenzhan; Liu, Guangming; Li, Huaying; et al.	Compressive Properties and Failure Mechanisms of Gradient Aluminum Foams Prepared by a Powder Metallurgy Method	METALS	075-4701	2021	11(9)	1337	2.351	3.351
41.26	Zhang, Boyi; Zhang, Jian; Wang, Li; et al.	Bending behavior of cenosphere aluminum matrix syntactic foam-filled circular tubes	ENGINEERING STRUCTURES	0141-0296	2021	243	112650	4.471	5.471
41.27	Leveles, Borbala; Kemeny, Alexandra; Bubonyi, Tomas; et al.	Manufacturing and Comparison of Sr Modified or Unmodified AlSi12 Eutectic Alloy Matrix Unimodal and Bimodal Composite Metal Foams	ADVANCED ENGINEERING MATERIALS	1438-1656	2021	2100384	2100384	3.862	4.862
42	**E. Linul, L. Marşavina, C. Vălean, R. Bănică**	**Static and dynamic mode I fracture toughness of rigid PUR foams under room and cryogenic temperatures**	**Engineering Fracture Mechanics**	**0013-7944**	**2020**	**225**	**106274**	**3.426**	
42.1	He, Yannan; Wu, Jiacheng; Qiu, Dacheng; et al.	Experimental and numerical analyses of thermal failure of rigid polyurethane foam	MATERIALS CHEMISTRY AND PHYSICS	0254-0584	2019	233	378-389	4.094	5.094
42.2	Jin, Fan-Long; Zhao, Miao; Park, Mira; et al.	Recent Trends of Foaming in Polymer Processing: A Review	Polymers	2073-4360	2019	11(6)	953	4.329	5.329

42.3	Ayatollahi, M. R.; Bahrami, B.; Mirzaei, A. M.; et al.	Effects of support friction on mode I stress intensity factor and fracture toughness in SENB testing	Theoretical and Applied Fracture Mechanics	0167-8442	2019	103	102288	4.017	5.017
42.4	Oh, Jong-Ho; Bae, Jin-Ho; Kim, Jeong-Hyeon; et al.	Effects of Kevlar pulp on the enhancement of cryogenic mechanical properties of polyurethane foam	POLYMER TESTING	0142-9418	2019	80	106093	4.282	5.282
42.5	Ivdre, Aiga; Abolins, Arnis; Sevastyanova, Irina; et al.	Rigid Polyurethane Foams with Various Isocyanate Indices Based on Polyols from Rapeseed Oil and Waste PET	Polymers	2073-4360	2020	12(4)	738	4.329	5.329
42.6	Jelitto, H.; Schneider, G. A.	Extended cubic fracture model for porous materials and the dependence of the fracture toughness on the pore size	Materialia	2589-1529	2020	12	100761	0.000	1.000
42.7	Hwang, Byeong-Kwan; Kim, Seul-Kee; Kim, Jeong-Hyeon; et al.	Dynamic compressive behavior of rigid polyurethane foam with various densities under different temperatures	INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES	0020-7403	2020	180	UNSP 105657	5.329	6.329
42.8	Kannan, Sathish; Pervaiz, Salman; Jahan, Muhammad Pervej; et al.	Cryogenic Drilling of AZ31 Magnesium Syntactic Foams	MATERIALS	1996-1944	2020	13(18)	4094	3.623	4.623
42.9	Zhou, Lei; Zhu, Zheming; Dong, Yuqing; et al.	Investigation of dynamic fracture properties of multi-crack tunnel samples under impact loads	Theoretical and Applied Fracture Mechanics	0167-8442	2020	109	102733	4.017	5.017
42.10	Uram, Katarzyna; Prociak, Aleksander; Kuranska, Maria	Influence of the chemical structure of rapeseed oil-based polyols on selected properties of polyurethane foams	POLIMERY	0032-2725	2020	65(10)	698-707	1.741	2.741
42.11	Funari, Marco Francesco; Spadea, Saverio; Lonetti, Paolo; et al.	On the elastic and mixed-mode fracture properties of PVC foam	Theoretical and Applied Fracture Mechanics	0167-8442	2021	112	102924	4.017	5.017
42.12	Saed, Seyed Ataollah; Karimi, Hamid Reza; Rad, Sina Mousavi; et al.	Full range I/II fracture behavior of asphalt mixtures containing RAP and rejuvenating agent using two different 3-point bend type configurations	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2021	314	125590	6.141	7.141
43	**D.I. Stoia, L. Marsavina, E. Linul**	**Mode I Fracture Toughness of Polyamide and Alumide Samples obtained by Selective Laser Sintering Additive Process**	**Polymers**	**2073-4360**	**2020**	**12 (3)**	**640**	**4.329**	
43.1	Yao, Bibo; Li, Zhenhua; Zhu, Fei	Effect of powder recycling on anisotropic tensile properties of selective laser sintered PA2200 polyamide	EUROPEAN POLYMER JOURNAL	0014-3057	2020	141	110093	4.598	5.598
43.2	Sing, Swee Leong; Yeong, Wai Yee	Process-Structure-Properties in Polymer Additive Manufacturing	Polymers	2073-4360	2021	13(7)	1098	4.329	5.329

43.3	Braun, Matias; Aranda-Ruiz, Josue; Fernandez-Saez, Jose	Mixed Mode Crack Propagation in Polymers Using a Discrete Lattice Method	Polymers	2073-4360	2021	13(8)	1290	4.329	5.329
43.4	Abdellah, Mohammed Y.; Alfattani, Rami; Alnaser, Ibrahim A.; et al.	Stress Distribution and Fracture Toughness of Underground Reinforced Plastic Pipe Composite	Polymers	2073-4360	2021	13(13)	2194	4.329	5.329
43.5	Pacurar, Razvan; Berce, Petru; Petrilak, Anna; et al.	Selective Laser Melting of PA 2200 for Hip Implant Applications: Finite Element Analysis, Process Optimization, and Morphological and Mechanical Characterization	MATERIALS	1996-1944	2021	14(15)	4240	3.623	4.623
43.6	John, Lovin K.; Murugan, Ramu; Singamneni, Sarat	Impact of quasi-isotropic raster layup on the mechanical behaviour of fused filament fabrication parts	HIGH PERFORMANCE POLYMERS	0954-0083	2021	09540083211041954	09540083211041954	2.161	3.161
43.7	Hassan, Mohamed K.; Mohamed, Ahmed F.; Khalil, Khalil Abdelrazek; et al.	Numerical and Experimental Evaluation of Mechanical and Ring Stiffness Properties of Preconditioning Underground Glass Fiber Composite Pipes	JOURNAL OF COMPOSITES SCIENCE	2504-477X	2021	5(10)	264	0	1.000
43.8	Esposito, Gabrielle R.; Dingemans, Theo J.; Pearson, Raymond A.	Changes in polyamide 11 microstructure and chemistry during selective laser sintering	ADDITIVE MANUFACTURING	2214-8604	2021	48	102445	10.998	11.998
44	**E. Linul, L. Marşavina, D.I. Stoia**	**Mode I and II fracture toughness investigation of Laser-Sintered Polyamide**	**Theoretical and Applied Fracture Mechanics**	**0167-8442**	**2020**	**106**	**102497**	**4.017**	
44.1	Brighenti, Roberto; Cosma, Mattia Pancrazio; Marsavina, Liviu; et al.	Laser-based additively manufactured polymers: a review on processes and mechanical models	JOURNAL OF MATERIALS SCIENCE	0022-2461	2021	56(2)	961-998	4.22	5.220
44.2	Khosravani, Mohammad Reza; Berto, Filippo; Ayatollahi, Majid R.; et al.	Fracture behavior of additively manufactured components: A review	Theoretical and Applied Fracture Mechanics	0167-8442	2020	109	102763	4.017	5.017
44.3	Golewski, Grzegorz Ludwik	Changes in the Fracture Toughness under Mode II Loading of Low Calcium Fly Ash (LCFA) Concrete Depending on Ages	MATERIALS	1996-1944	2020	13(22)	5241	3.623	4.623
44.4	Yao, Bibo; Li, Zhenhua; Zhu, Fei	Effect of powder recycling on anisotropic tensile properties of selective laser sintered PA2200 polyamide	EUROPEAN POLYMER JOURNAL	0014-3057	2020	141	110093	4.598	5.598
44.5	Golewski, Grzegorz Ludwik; Gil, Damian Marek	Studies of Fracture Toughness in Concretes Containing Fly Ash and Silica Fume in the First 28 Days of Curing	MATERIALS	1996-1944	2021	14(2)	319	3.623	4.623

44.6	Nussbaum, Justin; Kaur, Taranjot; Harmon, Julie; et al.	Impact of sintering time and temperature on mechanical properties in projection sintering of Polyamide-12	ADDITIVE MANUFACTURING	2214-8604	2021	37	101652	10.998	11.998
44.7	Parvulescu, Lucian; Stoia, Dan Ioan; Miok, Kristian; et al.	Force and Boldness: Cumulative Assets of a Successful Crayfish Invader	FRONTIERS IN ECOLOGY AND EVOLUTION	2296-701X	2021	9	581247	4.171	5.171
44.8	John, Lovin K.; Murugan, Ramu; Singamneni, Sarat	Impact of quasi-isotropic raster layup on the mechanical behaviour of fused filament fabrication parts	HIGH PERFORMANCE POLYMERS	0954-0083	2021	09540083211041954	09540083211041954	2.161	3.161
44.9	Esposito, Gabrielle R.; Dingemans, Theo J.; Pearson, Raymond A.	Changes in polyamide 11 microstructure and chemistry during selective laser sintering	ADDITIVE MANUFACTURING	2214-8604	2021	48	102445	10.998	11.998
44.10	Saed, Seyed Ataollah; Karimi, Hamid Reza; Rad, Sina Mousavi; et al.	Full range I/II fracture behavior of asphalt mixtures containing RAP and rejuvenating agent using two different 3-point bend type configurations	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2021	314	125590	6.141	7.141
45	**O. Khezrzadeh, O. Mirzaee, E. Emadoddin, E. Linul**	**Anisotropic Compressive Behavior of Metallic Foams under Extreme Temperature Conditions**	**Materials**	**1996-1944**	**2020**	**13(10)**	**2329**	**3.623**	
45.1	Kannan, Sathish; Pervaiz, Salman; Jahan, Muhammad Pervej; et al.	Cryogenic Drilling of AZ31 Magnesium Syntactic Foams	MATERIALS	1996-1944	2020	13(18)	4094	3.623	4.623
45.2	Wang, Li; Zhang, Boyi; Zhang, Jian; et al.	Deformation and energy absorption properties of cenosphere-aluminum syntactic foam-filled tubes under axial compression	THIN-WALLED STRUCTURES	0263-8231	2021	160	107364	4.442	5.442
45.3	Hu, Yang; Fang, Qin-Zhi; Qian, Jiong	Effect of cell structure on the uniaxial compression properties of closed-cell foam materials	MATERIALS TODAY COMMUNICATIONS	2352-4928	2021	26	102104	3.383	4.383
45.4	Costanza, Girolamo; Giudice, Fabio; Sili, Andrea; et al.	Correlation Modeling between Morphology and Compression Behavior of Closed-Cell Al Foams Based on X-ray Computed Tomography Observations	METALS	2075-4701	2021	11(9)	1370	2.351	3.351
45.5	Kovacik, Jaroslav; Nosko, Martin; Minarikova, Natalia; et al.	Closed-Cell Powder Metallurgical Aluminium Foams Reinforced with 3 vol.% SiC and 3 vol.% Graphite	PROCESSES	2227-9717	2021	9(11)	2031	2.847	3.847
45.6	Guerra Silva, Rafael; Salinas Estay, Cristobal; Morales Pavez, Gustavo; et al.	Assessment of analytical relationships for mechanical properties of truncated octahedron and diamond lattice structures	MATERIALS TODAY COMMUNICATIONS	2352-4928	2021	29	102756	3.383	4.383
46	**L Marsavina, E Linul**	**Fracture toughness of rigid polymeric foams: A review**	**Fatigue & Fracture of Engineering Materials & Structures**	**1460-2695**	**2020**	**43(11)**	**2483-2514**	**3.459**	

46.1	Pietras, D.; Aliha, MRM.; Sadowski, T.	Mode III fracture toughness testing and numerical modeling for aerated autoclaved concrete using notch cylinder specimen subjected to torsion	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	45	4326-4329	0.000	1.000
46.2	Kovarik, Tomas; Hajek, Jiri; Pola, Michal; et al.	Cellular ceramic foam derived from potassium-based geopolymer composite: Thermal, mechanical and structural properties	MATERIALS & DESIGN	0264-1275	2021	198	109355	7.991	8.991
46.3	Dou, Yao; Rodrigue, Denis	Morphological, thermal and mechanical properties of recycled HDPE foams via rotational molding	JOURNAL OF CELLULAR PLASTICS	0021-955X	2021	0021955X21101379 3	0021955X21101379 3	3.073	4.073
46.4	Dou, Yao; Rodrigue, Denis	Morphological, thermal and mechanical properties of polypropylene foams via rotational molding	CELLULAR POLYMERS	0262-4893	2021	40(5)	198-211	2.053	3.053
47	**D Pietras, E Linul, T Sadowski, A Rusinek**	**Out-of-plane crushing response of aluminum honeycombs in-situ filled with graphene-reinforced polyurethane foam**	**Composite Structures**	**0263-8223**	**2020**	**249**	**112548**	**5.407**	
47.1	Li, Jianwei; Wang, Aifeng; Qin, Jianbin; et al.	Lightweight polymethacrylimide@copper/nickel composite foams for electromagnetic shielding and monopole antennas	COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING	1359-835X	2021	140	106144	7.664	8.664
47.2	Chen, Guoliang; Liu, Jian; Zhang, Wei; et al.	Lignin-Based Phenolic Foam Reinforced by Poplar Fiber and Isocyanate-Terminated Polyurethane Prepolymer	POLYMERS	2073-4360	2021	13(7)	1068	4.329	5.329
47.3	Mallakpour, Shadpour; Behranvand, Vajiheh	Polyurethane sponge modified by alginate and activated carbon with abilities of oil absorption, and selective cationic and anionic dyes clean-up	JOURNAL OF CLEANER PRODUCTION	0959-6526	2021	312	127513	9.297	10.297
47.4	Postek, Eligiusz; Sadowski, Tomasz	Impact model of the Al2O3/ZrO2 composite by peridynamics	Composite Structures	0263-8223	2021	271	114071	5.407	6.407
47.5	Zhao, Chao; Li, Qujian; Zhong, Xingu; et al.	Experimental study on basic mechanical properties of porous metal-concrete	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2021	304	124663	6.141	7.141
48	**A.I. Bucur, E. Linul, B.O. Taranu**	**Hydroxyapatite coatings on Ti substrates by simultaneous precipitation and electrodeposition**	**Applied Surface Science**	**0169-4332**	**2020**	**527**	**146820**	**5.182**	
48.1	Zielinski, Andrzej; Bartmanski, Michal	Electrodeposited Biocoatings, Their Properties and Fabrication Technologies: A Review	COATINGS	2079-6412	2020	10(8)	782	2.881	3.881
48.2	Vranceanu, Diana Maria; Ionescu, Ionut Cornel; Ungureanu, Elena; et al.	Magnesium Doped Hydroxyapatite-Based Coatings Obtained by Pulsed Galvanostatic Electrochemical Deposition with Adjustable Electrochemical Behavior	COATINGS	2079-6412	2020	10(8)	727	2.881	3.881

48.3	Safavi, Mir Saman; Walsh, Frank C.; Surmeneva, Maria A.; et al.	Electrodeposited Hydroxyapatite-Based Biocoatings: Recent Progress and Future Challenges	COATINGS	2079-6412	2021	11(1)	110	2.881	3.881
48.4	Duan, Yangyang; Wu, You; Yan, Ru; et al.	Self-healing and self-strengthening dual-function polyelectrolytes coating for corrosion protection of titanium sheet	PROGRESS IN ORGANIC COATINGS	0300-9440	2021	155	106232	5.161	6.161
48.5	Hussain, Muzamil; Rizvi, Syed Hasan Askari; Abbas, Naseem; et al.	Recent Developments in Coatings for Orthopedic Metallic Implants	COATINGS	2079-6412	2021	11(7)	791	2.881	3.881
48.6	Moloodi, Ahmad; Toraby, Haniyeh; Kahrobaee, Saeed; et al.	Evaluation of fluorohydroxyapatite/strontium coating on titanium implants fabricated by hydrothermal treatment	PROGRESS IN BIOMATERIALS	2194-0509	2021	10(3)	185-194	0	1.000
49	**G Epasto, F Distefano, L Gu, H Mozafari, E Linul**	**Design and optimization of metallic foam Shell protective device against flying ballast impact damage in railway axles**	**Materials & Design**	**0264-1275**	**2020**	**196**	**109120**	**7.991**	
49.1	Suzuki, Ryosuke; Hangai, Yoshihiko; Asakawa, Yusuke; et al.	Effect of Si Concentration of a Brazing Precursor on the Bonding Strength of Aluminum Foam Bonded via Foaming Bonding	MATERIALS TRANSACTIONS	1345-9678	2021	62(8)	1210-1215	1.389	2.389
49.2	Talebi, S.; Hedayati, R.; Sadighi, M.	Dynamic crushing behavior of closed-cell aluminum foams based on different space-filling unit cells	ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING	1644-9665	2021	21(3)	99	4.369	5.369
49.3	Tarlochan, Faris	Sandwich Structures for Energy Absorption Applications: A Review	MATERIALS	1996-1944	2021	14(16)	4731	3.623	4.623
49.4	Lu, Jingyi; Wang, Yonghui; Zhai, Ximei; et al.	Impact behavior of a cladding sandwich panel with aluminum foam-filled tubular cores	THIN-WALLED STRUCTURES	0263-8231	2021	169	108459	4.442	5.442
50	**G. Epasto, F. Distefano, H. Mozafari, E. Linul, V. Crupi**	**Nondestructive Evaluation of Aluminium Foam Panels Subjected to Impact Loading**	**Applied Sciences**	**2076-3417**	**2021**	**11(3)**	**1148**	**2.679**	
50.1	Zezulova, Eva; Hasilova, Kamila; Dvorak, Petr; et al.	Experimental Campaign to Verify the Suitability of Ultrasound Testing Method for Steel Fiber Reinforced Concrete Fortification Structures	Applied Sciences	2076-3417	2021	11(18)	8759	2.679	3.679
50.2	Kovacik, Jaroslav; Nosko, Martin; Minarikova, Natalia; et al.	Closed-Cell Powder Metallurgical Aluminium Foams Reinforced with 3 vol.% SiC and 3 vol.% Graphite	PROCESSES	2227-9717	2021	9(11)	2031	2.847	3.847
51	**D.K. Rajak, E. Linul**	**Crushing response of Composite Metallic Foams: Density and High Strain Rate effects**	**Journal of Alloys and Compounds**	**0925-8388**	**2021**	**871**	**159614**	**5.316**	

51.1	Kovacik, Jaroslav; Nosko, Martin; Minarikova, Natalia; et al.	Closed-Cell Powder Metallurgical Aluminium Foams Reinforced with 3 vol.% SiC and 3 vol.% Graphite	PROCESSES	2227-9717	2021	9(11)	2031	2.847	3.847
52	**E. Linul, O. Khezrzadeh**	**Axial crashworthiness performance of foam-based composite structures under extreme temperature conditions**	**Composite Structures**	**0263-8223**	**2021**	**271**	**114156**	**5.407**	
52.1	Kovacik, Jaroslav; Nosko, Martin; Minarikova, Natalia; et al.	Closed-Cell Powder Metallurgical Aluminium Foams Reinforced with 3 vol.% SiC and 3 vol.% Graphite	PROCESSES	2227-9717	2021	9(11)	2031	2.847	3.847
53	**E Linul, D Pietras, T Sadowski, L Marşavina, DK Rajak, J Kovacik**	**Crashworthiness performance of lightweight Composite Metallic Foams at high temperatures**	**Composites Part A: Applied Science and Manufacturing**	**1359-835X**	**2021**	**149**	**106516**	**7.664**	
53.1	Kovacik, Jaroslav; Nosko, Martin; Minarikova, Natalia; et al.	Closed-Cell Powder Metallurgical Aluminium Foams Reinforced with 3 vol.% SiC and 3 vol.% Graphite	PROCESSES	2227-9717	2021	9(11)	2031	2.847	3.847
54	**N Movahedi, E Linul**	**Radial crushing response of ex-situ foam-filled tubes at elevated temperatures**	**Composite Structures**	**0263-8223**	**2021**	**277**	**114634**	**5.407**	
54.1	Kovacik, Jaroslav; Nosko, Martin; Minarikova, Natalia; et al.	Closed-Cell Powder Metallurgical Aluminium Foams Reinforced with 3 vol.% SiC and 3 vol.% Graphite	PROCESSES	2227-9717	2021	9(11)	2031	2.847	3.847
55	**N. Faur, L. Marsavina, A. Cernescu, C. Nes, E. Linul**	**The influence of the steel and aluminium components separation at the conductors locking for stress-strain tests**	**Key Engineering Materials**	**1013-9826**	**2010**	**417-418**	**693-696**	**0.000**	
55.1	Dumitru, I., Marsavina, L., Faur, N., Kun, L.	Some considerations on the mechanical testing of aluminum-steel conductors and their cores	Mechanika	1392-1207	2013	19 (4)	403-409	0.597	1.597
56	**E. Linul, L. Marsavina, T. Sadowski and M. Kneć**	**Size Effect on Fracture Toughness of Rigid Polyurethane Foams**	**Solid State Phenomena**	**1662-9779**	**2012**	**188**	**205-210**	**0.000**	
56.1	Chandra, S., Sharma, S., Ali, H., Mane, J.V., Naik, Y.P., Chavan, V.M., Manjunath, B., Patel, R.J.	Effect of γ irradiation on the impact response of rigid polyurethane foam	Journal of Polymer Engineering	0334-6447	2016	36 (8)	829-835	1.367	2.367
56.2	Touliatou, D., Wheel, M.A.	K-dominance and size effect in mode I fracture of brittle materials with low to medium porosity	Engineering Fracture Mechanics	0013-7944	2018	201	269-281	4.406	5.406
56.3	Chen, S., Isaksson, P.	A note on the defect sensitivity of brittle solid foams	Engineering Fracture Mechanics	0013-7944	2019	206	541-550	4.406	5.406
56.4	Touliatou, Dimitra; Wheel, Marcus A.	Experimental and numerical analysis of size effects on stress intensity in anisotropic porous materials	ENGINEERING FAILURE ANALYSIS	1350-6307	2019	104	772-783	3.114	4.114
57	**E. Linul, T. Voiconi, L. Marsavina, T. Sadowski**	**Study of factors influencing the mechanical properties of polyurethane foams under dynamic compression**	**Journal of Physics: Conference Series**	**1742-6588**	**2013**	**451**	**012002-**	**0.000**	

57.1	Obaid, N; Kortschot, M; Sain, M	Investigating the Mechanical Response of Soy-Based Polyurethane Foams With Glass Fibers Under Compression at Various Rates	CELLULAR POLYMERS	0262-4893	2015	34(6)	281-298	2.053	3.053
57.2	Domingo-Roca, R., Esqué-de los Ojos, D., Guerrero, M., (...), Suriñach, S., Sort, J.	Nanomechanical behavior of 3D porous metal-ceramic nanocomposite Bi/Bi2O3 films	Materials Science and Engineering A	0921-5093	2015	626	150-158	5.234	6.234
57.3	Maruf, S.H., Li, Z., Yoshimura, J.A., (...), Greenberg, A., Ding, Y.	Influence of nanoimprint lithography on membrane structure and performance	Polymer (United Kingdom)	0032-3861	2015	69	129-137	4.43	5.430
57.4	Cernescu, A., Romanoff, J.	Bending deflection of sandwich beams considering local effect of concentrated force	Composite Structures	0263-8223	2015	134	169-175	5.407	6.407
57.5	Şerban, D.-A., Weissenborn, O., Geller, S., Marşavina, L., Gude, M.	Evaluation of the mechanical and morphological properties of long fibre reinforced polyurethane rigid foams	Polymer Testing	0142-9418	2016	49	121-127	4.282	5.282
57.6	Kandasubramanian, B	Generation of Micro-Porous Honeycomb Foam of UHMWPE/PHB Blend by Supercritical CO2	MATERIALS FOCUS	2169-429X	2016	5(1)	73-83	0	1.000
57.7	Koohbor, B., Kidane, A., Lu, W.-Y., Sutton, M.A.	Investigation of the dynamic stress-strain response of compressible polymeric foam using a non-parametric analysis	International Journal of Impact Engineering	0734-743X	2016	91	170-182	4.208	5.208
57.8	Esqué-de los Ojos, D., Zhang, J., Fornell, J., Pellicer, E., Sort, J.	Nanomechanical behaviour of open-cell nanoporous metals: Homogeneous versus thickness-dependent porosity	Mechanics of Materials	0167-6636	2016	100	167-174	3.266	4.266
57.9	Mirmoeini, Maryam Sadat; Nikje, Mir Mohammad Alavi; Rasouli-Saniabadi, Mona; et al.	Synthesis and Characterization of Functionalized Calix[4]arene Derivatives and Preparation of Rigid Polyurethane Foams by the Incorporation of Calixarene	MACROMOLECULAR SYMPOSIA	1022-1360	2017	373(1)	1600101	0.913	1.913
57.10	Gaidukova, Gerda; Ivdre, Aiga; Fridrihsone, Anda; et al.	Polyurethane rigid foams obtained from polyols containing bio-based and recycled components and functional additives	INDUSTRIAL CROPS AND PRODUCTS	0926-6690	2017	102	133-143	5.645	6.645
57.11	Lee, J.-H., Kim, S.-K., Park, S., Park, K.H., Lee, J.-M.	Unified constitutive model with consideration for effects of porosity and its application to polyurethane foam	Composites Part B: Engineering	1359-8368	2018	138	87-100	9.078	10.078
57.12	Stanzione, M.; Russo, V.; Oliviero, M.; et al.	Synthesis and characterization of sustainable polyurethane foams based on polyhydroxyls with different terminal groups	Polymer (United Kingdom)	0032-3861	2018	149	134-145	4.43	5.430
57.13	Marter, A. D.; Dickinson, A. S.; Pierron, F.; et al.	A Practical Procedure for Measuring the Stiffness of Foam like Materials	EXPERIMENTAL TECHNIQUES	0732-8818	2018	42(4)	439-452	1.167	2.167

57.14	Patel, Surendra Kumar; Singh, Virendra Pratap; Yadav, Sanjeev Kumar; et al.	Microstructural and Compressive Deformation Behavior of Aluminum-Foam-Filled Sections	SOFT MATERIALS	1539-445X	2019	17(1)	14-23	2.429	3.429
57.15	Trovati, Graziella; Natali Suman, Marcos Vinicius; Sanches, Edgar Aparecido; et al.	Production and characterization of polyurethane castor oil (Ricinus communis) foam for nautical fender	Polymer Testing	0142-9418	2019	73	87-93	4.282	5.282
57.16	Flores-Bonano, Sugeily; Vargas-Martinez, Juan; Suarez, Oscar Marcelo; et al.	Tortuosity Index Based on Dynamic Mechanical Properties of Polyimide Foam for Aerospace Applications	MATERIALS	1996-1944	2019	12(11)	1851	3.623	4.623
57.17	Doyle, Lucia; Weidlich, Ingo; Illguth, Marcus	Anisotropy in Polyurethane Pre-Insulated Pipes	POLYMERS	2073-4360	2019	11(12)	2074	4.329	5.329
57.18	Zheng Xinguo; Liu Yaxun; Zhang Jinyong; et al.	Effect of Cellular Structure on Mechanical Properties of Polyurethane Foam Curing Materials	JOURNAL OF WUHAN UNIVERSITY OF TECHNOLOGY-MATERIALS SCIENCE EDITION	1000-2413	2019	34(6)	1371-1375	0.957	1.957
57.19	Margaretta, DO; Amalia, N ; Utami, FD ; Viridi, S ; Abdullah, M	Second-order phase transition and universality of self-buckled elastic slender columns	JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE	1658-3655	2019	13(1)	1128-1136	2.688	3.688
57.20	Nia, A. Alavi; Kazemi, M.	Experimental study of ballistic resistance of sandwich targets with aluminum face-sheet and graded foam core	JOURNAL OF SANDWICH STRUCTURES & MATERIALS	1099-6362	2020	22(2)	461-479	5.497	6.497
57.21	Noryani, M.; Sapuan, S. M.; Mastura, M. T.; et al.	Statistical inferences in material selection of a polymer matrix for natural fiber composites	POLIMERY	0032-2725	2020	65(2)	105-114	1.741	2.741
57.22	Van Hung Tran; Kim, Jeong-Dae; Kim, Jeong-Hyeon; et al.	Influence of Cellulose Nanocrystal on the Cryogenic Mechanical Behavior and Thermal Conductivity of Polyurethane Composite	JOURNAL OF POLYMERS AND THE ENVIRONMENT	1566-2543	2020	28(4)	1169-1179	3.667	4.667
57.23	Taghavimehr, Mehrnoosh; Famili, Mohammad Hossein Navid; Shirsavar, Mehran Abbasi	Effect of nanoparticle network formation on electromagnetic properties and cell morphology of microcellular polymer nanocomposite foams	Polymer Testing	0142-9418	2020	86	106469	4.282	5.282
57.24	Lee, Jeong-Ho; Ryu, Dong-Man; Lee, Chi-Seung	Constitutive-damage modeling and computational implementation for simulation of elasto-viscoplastic-damage behavior of polymeric foams over a wide range of strain rates and temperatures	INTERNATIONAL JOURNAL OF PLASTICITY	0749-6419	2020	130	UNSP 102712	7.081	8.081
57.25	Hwang, Byeong-Kwan; Kim, Seul-Kee; Kim, Jeong-Hyeon; et al.	Dynamic compressive behavior of rigid polyurethane foam with various densities under different temperatures	INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES	0020-7403	2020	180	UNSP 105657	5.329	6.329

57.26	Horak, Zdenek; Dvorak, Karel; Zarybnicka, Lucie; et al.	Experimental Measurements of Mechanical Properties of PUR Foam Used for Testing Medical Devices and Instruments Depending on Temperature, Density and Strain Rate	MATERIALS	1996-1944	2020	13(20)	4560	3.623	4.623
57.27	Choi, Hyeon Jun; Kim, Jung Hyeun	Static and dynamic comfort properties of polyurethane foams including a flexible amine crosslinker	JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY	1226-086X	2020	90	260-265	6.064	7.064
57.28	Miralbes, R.; Ranz, D.; Pascual, F. J.; et al.	Characterization of additively manufactured triply periodic minimal surface structures under compressive loading	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2020	DOI: 10.1080/15376494.2020.184	DOI: 10.1080/15376494.2020.184	4.030	5.030
57.29	Xu, Shengjie; Wang, Shuangjie; Zhong, Yanhui; et al.	Compression Characteristics and Constitutive Model of Low-Exotherm Modified Polyurethane Grouting Materials	ADVANCES IN CIVIL ENGINEERING	1687-8086	2020	2020	1958473	1.924	2.924
57.30	Sadowski, T.; Pietras, D.	Estimation of mechanical response of 2-phase oxide ceramic composites under high strain rate	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	45	4286-4291	0.000	1.000
57.31	Postek, E.; Sadowski, T.; Boniecki, M.	Impact of brittle composites: Peridynamics modelling	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	45	4268-4274	0.000	1.000
57.32	Vijayakumar, K. R.; Jayaseelan, J.; Ethiraj, N.; et al.	Investigation on aluminium/mild steel plates bonded polyurethane sheets to control vibration	MATERIALS TODAY-PROCEEDINGS	2214-7853	2021	45	5860-5867	0.000	1.000
57.33	Shah, Sajiv; Haque, Ayaan; Liu, Fei	Simulated Data Generation through Algorithmic Force Coefficient Estimation for AI-Based Robotic Projectile Launch Modeling	2021 6TH ASIA-PACIFIC CONFERENCE ON INTELLIGENT ROBOT SYSTEMS (ACIRS)	ISBN:978-1-6654-4069-1	2021	DOI: 10.1109/ACIRS52449.2021.9	13-20	0.000	1.000
57.34	Sadowski, T.; Golewski, P.; Craciun, E.	Internal structure influence on the impact strength and dynamic fracture toughness of hybrid polymer matrix composites with integrated elastomer interlayers	Composite Structures	0263-8223	2021	258	113375	5.407	6.407
57.35	Ammons, Malcolm; Shimada, Hironari; McCormick, Jason; et al.	Experimental Investigation of Foam-Filled CHS Braces under Cyclic Loading	JOURNAL OF STRUCTURAL ENGINEERING	0733-9445	2021	147(5)	04021044	3.312	4.312
57.36	Xiang, Hao; Xia, Huiyun; Chen, Huaxin; et al.	Influence of moisture-curing reaction on the mechanical properties of one-component polyurethane mixtures	JOURNAL OF MATERIALS SCIENCE	0022-2461	2021	56(27)	15069-15086	4.22	5.220
57.37	Postek, Eligiusz; Sadowski, Tomasz	Impact model of the Al2O3/ZrO2 composite by peridynamics	Composite Structures	0263-8223	2021	271	114071	5.407	6.407

57.38	Mazzuca, Pietro; Firmo, J. P.; Correia, J. R.; et al.	Mechanical behaviour in shear and compression at elevated temperature of polyethylene terephthalate (PET) foam	JOURNAL OF BUILDING ENGINEERING	2352-7102	2021	42	102526	5.318	6.318
57.39	Casavola, Caterina; Del Core, Lucia; Moramarco, Vincenzo; et al.	Experimental and numerical analysis of the Poisson's ratio on soft polyurethane foams under tensile and cyclic compression load	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2021	DOI: 10.1080/15376494.2021.1994061	DOI: 10.1080/15376494.2021.1994061	4.03	5.030
57.40	Bhagavathula, K. B.; Meredith, C. S.; Ouellet, S.; et al.	Density, Microstructure, and Strain-Rate Effects on the Compressive Response of Polyurethane Foams	EXPERIMENTAL MECHANIC	0014-4851	2021	DOI: 10.1007/s11340-021-00772-z	DOI: 10.1007/s11340-021-00772-z	2.808	3.808
58	**L. Marsavina, D.M. Constantinescu, E. Linul, T. Voiconi, D.A. Apostol, T. Sadowski**	**Evaluation of mixed mode fracture for PUR foams**	**Procedia Materials Science**	**2211-8128**	**2014**	**3**	**1342-1352**	**0.000**	
58.1	Berto, Filippo; Campagnolo, Alberto	Three-dimensional cracked discs under anti-plane loading and effects of the boundary conditions A review of recent developments	NTERNATIONAL JOURNAL OF STRUCTURAL INTEGRITY	1757-9864	2015	6(4)	541-564	0	1.000
58.2	Salavati, H; Alizadeh, Y ; Kazemi, A; Berto, F	A new expression to evaluate the critical fracture load for bainitic functionally graded steels under mixed mode (I plus II) loading	ENGINEERING FAILURE ANALYSIS	1350-6307	2015	48	121-136	3.114	4.114
58.3	Campagnolo, A.; Berto, F.; Lazzarin, P.	The effects of different boundary conditions on three-dimensional cracked discs under anti-plane loading	EUROPEAN JOURNAL OF MECHANICS A-SOLIDS	0997-7538	2015	50	76-86	4.22	5.220
58.4	Salavati, H., Alizadeh, Y., Berto, F.	Fracture Assessment of Notched Bainitic Functionally Graded Steels under Mixed Mode (I + II) Loading	Physical Mesomechanics	1029-9599	2015	18 (4)	307-325	1.85	2.850
58.5	Piccotin, Alberto; Marsavina, Liviu; Berto, Filippo; et al	Fracture parameters determination of polyurethane materials for application of SED criteria to notched components	Procedia Structural Integrity	2452-3216	2016	2	1861-1869	0	1.000
58.6	Berto, F.; Marsavina, L.; Razavi, S. M. J.;Ayatollahi, MR	On the fracture behavior of polyurethane notched components	Procedia Structural Integrity	2452-3216	2017	3	144-152	0	1.000
58.7	M. Peron, S.M.J. Razavi, F. Berto, J. Torgersen, L. Marsavina	Local strain energy density for the fracture assessment of polyurethane specimens weakened by notches of different shape	FRATTURA ED INTEGRITA STRUTTURALE	1971-8993	2017	42	214-222	0	1.000
58.8	MRM Aliha, F Berto, A Mousavi, SMJ Razavi	On the applicability of ASED criterion for predicting mixed mode I+ II fracture toughness results of a rock material	Theoretical and Applied Fracture Mechanics	0167-8442	2017	92	198-204	4.017	5.017

58.9	Soltaninezhad, S.; Salavati, H.; Goharrizi, A. Soltani	Ductile fracture assessment of high-density polyethylene (HDPE-PE100) weakened by an inclined double keyhole notch	Theoretical and Applied Fracture Mechanics	0167-8442	2019	104	102349	4.017	5.017
58.10	Marushchak, P. O.; Konovalenko, I., V; Chausov, M. G.	Effect of Shock and Vibration Preloading on the Parameters of Tear Dimples and their Conglomerates	STRENGTH OF MATERIALS	0039-2316	2020	51(6)	868-878	0.62	1.620
58.11	Alizadeh, Y.; Salavati, H.; Mohammadi, H.	Fracture Assessment of Notched Severely Plastic Deformed 7075 Al Alloy under Mode I Loading	PHYSICAL MESOMECHANICS	1029-9599	2020	23(6)	584-592	1.85	2.850
58.12	Miralbes, R.; Ranz, D.; Pascual, F. J.; et al.	Characterization of additively manufactured triply periodic minimal surface structures under compressive loading	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2020	DOI: 10.1080/15376494.2020.1842948	DOI: 10.1080/15376494.2020.1842948	4.030	5.030
59	**T. Voiconi, E. Linul, L. Marsavina, J. Kovacik, M. Knec**	**Experimental determination of mechanical properties of aluminium foams using Digital Image Correlation**	**Key Engineering Materials**	**1013-9826**	**2014**	**601**	**254-257**	**0.000**	
59.1	Zhao, Dengchuan; Wu, Guoqing; Wang, Jinliang; et al.	Quantitative homogeneity assessment of particle reinforced magnesium-lithium composite ingot by homogeneity factors	COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING	1359-835X	2021	142	106268	7.664	8.664
59.2	Drahman, S. H.; Abidin, A. R. Zainal; Kueh, A. B. H.	Two-Dimensional Meshfree-Based Digital Image Correlation for Strain-Displacement Measurement	EXPERIMENTAL TECHNIQUES	0732-8818	2021	DOI: 10.1007/s40799-021-00476-y	DOI: 10.1007/s40799-021-00476-y	1.167	2.167
60	**D.A. Apostol, D.M. Constantinescu, L. Marsavina, E. Linul**	**Analysis of Deformation Bands in Polyurethane Foams**	**Key Engineering Materials**	**1013-9826**	**2014**	**601**	**250-253**	**0**	
60.1	Marsavina, Liviu; Constantinescu, Dan M.	Failure and Damage in Cellular Materials	FAILURE AND DAMAGE ANALYSIS OF ADVANCED MATERIALS	0254-1971	2015	560	119-190	0	1.000
60.2	Falk, Alexandru; Marsavina, Liviu; Pop, Octavian	Analysis of Printed Circuit Boards strains using finite element analysis and digital image correlation	FRATTURA ED INTEGRITA STRUTTURALE	1971-8993	2020	51	541-551	0	1.000
60.3	Belda, Ricardo; Megias, Raquel; Feito, Norberto; et al.	Some Practical Considerations for Compression Failure Characterization of Open-Cell Polyurethane Foams Using Digital Image Correlation	Sensors (Switzerland)	1424-8220	2020	20(15)	4141	3.576	4.576
60.4	Casavola, Caterina; Del Core, Lucia; Moramarco, Vincenzo; et al.	Full-field mechanical characterization of polyurethane foams under large deformations by digital image correlation	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2021	DOI: 10.1080/15376494.2021.1905915	DOI: 10.1080/15376494.2021.1905915	4.03	5.030

60.5	Casavola, Caterina; Del Core, Lucia; Moramarco, Vincenzo; et al.	Experimental and numerical analysis of the Poisson's ratio on soft polyurethane foams under tensile and cyclic compression load	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2021	DOI: 10.1080/15376494.2021.1994061	DOI: 10.1080/15376494.2021.1994061	4.03	5.030
61	**E. Linul, D.A. Serban, T. Voiconi, L. Marsavina, T. Sadowski**	**Energy-absorption and efficiency diagrams of rigid PUR foams**	**Key Engineering Materials**	**1013-9826**	**2014**	**601**	**246-249**	0	
61.1	Şerban, D.-A., Weissenborn, O., Geller, S., Marşavina, L., Gude, M.	Evaluation of the mechanical and morphological properties of long fibre reinforced polyurethane rigid foams	Polymer Testing	0142-9418	2016	49	121-127	4.282	5.282
61.2	Maican, Edmond; Biris, Sorin-Stefan; Persu, Catalin; et al.	NONLINEAR IMPACT RESISTANCE SIMULATION OF A NEWLY DESIGNED ROOF FROM AN AGRICULTURAL TRACTOR CABIN	ACTUAL TASKS ON AGRICULTURAL ENGINEERING Book Series: Actual Tasks on Agricultural Engineering-Zagreb	1848-4425	2018	46	231-238	0.000	1.000
61.3	Meng, L., Li, W., Ma, R., Huang, M., Wang, J., Luo, Y., Wang, J., Xia, K.	Long UHMWPE fibers reinforced rigid polyurethane composites: An investigation in mechanical properties	European Polymer Journal	0014-3057	2018	105	55-60	4.598	5.598
61.4	Habib, F.N., Iovenitti, P., Masood, S.H., Nikzad, M.	Fabrication of polymeric lattice structures for optimum energy absorption using Multi Jet Fusion technology	Materials and Design	0264-1275	2018	155	86-98	7.991	8.991
61.5	Rodriguez-Sanchez, Alejandro E.; Plascencia-Mora, Hector; Ledesma-Orozco, Elias R.; et al.	Numerical analysis of energy absorption in expanded polystyrene foams	JOURNAL OF CELLULAR PLASTICS	0021-955X	2020	56(4)	411-434	3.073	4.073
61.6	Jiang, Lanxin; Yang, Bing; Xiao, Shoune; et al.	Simulation Study of Adhesive Material for Sandwich Panel under Edgewise Compression Condition	MATERIALS	1996-1944	2020	13(6)	1391	3.623	4.623
61.7	Liu, Xiaojing; Li, Weiwei; Feng, Ming; et al.	Strength and toughness of carbon fibers reinforced rigid polyurethane composites by adsorbing tannic acid and refining Ni grains on carbon fibers surface	POLYMERS FOR ADVANCED TECHNOLOGIES	1042-7147	2021	32(1)	326-334	3.665	4.665
61.8	Serban, Dan-Andrei; Furtos, Gabriel; Marsavina, Liviu; et al.	Numerical modelling of the mechanical behaviour of wood fibre-reinforced geopolymers	CONTINUUM MECHANICS AND THERMODYNAMICS	0935-1175	2020	DOI: 10.1007/s00161-	DOI: 10.1007/s00161-	3.822	4.822
61.9	Al-Atroush, M. E.; Sebaey, T. A.	Stabilization of expansive soil using hydrophobic polyurethane foam: A review	TRANSPORTATION GEOTECHNICS	2214-3912	2021	27	100494	3.293	4.293
61.10	Rotariu, Adrian; Trana, Eugen; Matache, Liviu; et al.	Experimental Study on the Dynamic Response of Polyurethane/fly Ash Ceramic Foam	MATERIALE PLASTICE	2668-8220	2021	58(1)	106-112	0.593	1.593
61.11	Al-Atroush, Mohamed Ezzat; Shabbir, Omar; Almeshari, Bandar; et al.	A Novel Application of the Hydrophobic Polyurethane Foam: Expansive Soil Stabilization	POLYMERS	2073-4360	2021	13(8)	1335	4.329	5.329

61.12	Dicks, James Anthony; Woolard, Chris	Biodegradable Polymeric Foams Based on Modified Castor Oil, Styrene, and Isobornyl Methacrylate	POLYMERS	2073-4360	2021	13(11)	1872	4.329	5.329
61.13	Serban, Dan Andrei; Negru, Radu; Sarandan, Sorin; et al.	Numerical and experimental investigations on the mechanical properties of cellular structures with open Kelvin cells	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2021	28(13)	1367-1376	4.030	5.030
62	**T. Voiconi, E. Linul, L. Marsavina, T. Sadowski, M. Knec**	**Determination of flexural properties of rigid PUR foams using digital image correlation**	**Solid State Phenomena**	**1662-9779**	**2014**	**216**	**116-121**	0	
62.1	Shalbafan, A., Rhême, M., Thoemen, H.	Ultra-light particleboard: characterization of foam core layer by digital image correlation	European Journal of Wood and Wood Products	0018-3768	2017	75(1)	43-53	2.014	3.014
62.2	Yarahmadi, N., Vega, A., Jakubowicz, I.	Accelerated ageing and degradation characteristics of rigid polyurethane foam	Polymer Degradation and Stability	0141-3910	2017	138	192-200	5.03	6.030
62.3	Amalia, N., Yuliza, E., Margaretta, D.O., Utami, F.D., Surtiyeni, N., Viridi, S., Abdullah, M.	A novel method for characterizing temperature-dependent elastic modulus and glass transition temperature by processing the images of bending cantilever slender beams at different temperatures	AIP Advances	2158-3226	2018	8(11)	115201	1.548	2.548
62.4	Reece, Richard; Lekakou, Constantina; Smith, Paul A.; et al.	Sulphur-linked graphitic and graphene oxide platelet-based electrodes for electrochemical double layer capacitors	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	2019	792	582-593	5.316	6.316
62.5	Yunus, Shemmira; Sefa-Ntiri, Baah; Anderson, Benjamin; et al.	Quantitative Pore Characterization of Polyurethane Foam with Cost-Effective Imaging Tools and Image Analysis: A Proof-Of-Principle Study	POLYMERS	2073-4360	2019	11(11)	1879	4.329	5.329
62.6	Unlusoy, Can; Melenka, Garrett W.	Flexural testing of cellulose fiber braided composites using three dimensional digital image correlation	COMPOSITE STRUCTURES	0263-8223	2019	230	111538	5.407	6.407
62.7	Falk, Alexandru; Marsavina, Liviu; Pop, Octavian	Analysis of Printed Circuit Boards strains using finite element analysis and digital image correlation	FRATTURA ED INTEGRITA STRUTTURALE	1971-8993	2020	51	541-551	0	1.000
62.8	Druecker, Sven; Schulze, Martina; Ipsen, Hendrik; et al.	Experimental and numerical mechanical characterization of additively manufactured Ti6Al4V lattice structures considering progressive damage	INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES	0020-7403	2021	189	105986	5.329	6.329
62.9	Casavola, Caterina; Del Core, Lucia; Moramarco, Vincenzo; et al.	Experimental and numerical analysis of the Poisson's ratio on soft polyurethane foams under tensile and cyclic compression load	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	1537-6494	2021	DOI: 10.1080/15376494.2021.1994061	DOI: 10.1080/15376494.2021.1994061	4.03	5.030
63	**E. Linul, L. Marsavina**	**Experimental determination of mixed-mode fracture toughness for rigid polyurethane foams**	**Lecture Notes in Mechanical Engineering**	**2195-4356**	**2017**		**221-237**	**0**	

63.1	Aliha, M. R. M.; Sarbijan, M. J.; Bahmani, A.	Fracture toughness determination of modified HMA mixtures with two novel disc shape configurations	CONSTRUCTION AND BUILDING MATERIALS	0950-0618	2017	155	789-799	6.141	7.141
63.2	Pirmohammad, S., Hojjati Mengharpey, M.	A new mixed mode I/II fracture test specimen: Numerical and experimental studies	Theoretical and Applied Fracture Mechanics	0167-8442	2018	97	204-214	4.017	5.017
63.3	Morton, Daniel T.; Reyes, Aase; Clausen, Arild H.; et al.	Mechanical response of low density expanded polypropylene foams in compression and tension at different loading rates and temperatures	MATERIALS TODAY COMMUNICATIONS	2352-4928	2020	23	100917	3.383	4.383
63.4	Zhang, Zhitao; Wang, Haijun; Yu, Shuyang	Numerical Simulation of Fracture Behavior of Brittle Solids under I/III Loading	ADVANCES IN CIVIL ENGINEERING	1687-8086	2020	2020	8612784	1.924	2.924
63.5	Pourseifi, M.; Rahimi, A. S.	Failure prediction of multi-cracked ductile polymeric specimens under mixed mode I/II loading	Theoretical and Applied Fracture Mechanics	0167-8442	2020	109	102744	4.017	5.017
64	**L. Marsavina, O. Pop, E. Linul**	**Mixed mode fracture toughness of particleboard**	**Procedia Structural Integrity**	**2452-3216**	**2018**	**9**	**47-54**	**0**	
64.1	Scorza, Daniela; Marsavina, Liviu; Carpinteri, Andrea; et al.	Size-effect independence of particleboard fracture toughness	COMPOSITE STRUCTURES	0263-8223	2019	229	111374	5.407	6.407
64.2	Torabi, Ehsan; Ghouli, Saeid; Marsavina, Liviu; et al.	Mixed mode fracture behavior of short-particle engineered wood	THEORETICAL AND APPLIED FRACTURE MECHANICS	1539-7734	2021	115	103054	4.017	5.017
65	**C. Vălean, L. Marşavina, M. Mărghitaş, E. Linul, J. Razavi, F. Berto**	**Effect of manufacturing parameters on tensile properties of FDM printed specimens**	**Procedia Structural Integrity**	**2452-3216**	**2020**	**26**	**313-320**	**0**	
65.1	Milovanovic, Aleksa; Sedmak, Aleksandar; Grbovic, Aleksandar; et al.	Comparative analysis of printing parameters effect on mechanical properties of natural PLA and advanced PLA-X material	Procedia Structural Integrity	2452-3216	2020	28	1963-1968	0	1.000
65.2	Milovanovic, Aleksa; Sedmak, Aleksandar; Grbovic, Aleksandar; et al.	Influence of second-phase particles on fracture behavior of PLA and advanced PLA-X material	Procedia Structural Integrity	2452-3216	2021	31	122-126	0	1.000
65.3	Fan, Congze; Shan, Zhongde; Zou, Guisheng; et al.	Interfacial Bonding Mechanism and Mechanical Performance of Continuous Fiber Reinforced Composites in Additive Manufacturing	CHINESE JOURNAL OF MECHANICAL ENGINEERING	1000-9345	2021	34(1)	21	1.936	2.936

65.4	Ma, Christine; Faust, Jessica; Roy-Mayhew, Joseph D.	Drivers of mechanical performance variance in 3D-printed fused filament fabrication parts: An Onyx FR case study	POLYMER COMPOSITES	0272-8397	2021	42(9)	4786-4794	3.171	4.171
65.5	Serban, Dan-Andrei; Marsavina, Cosmin; Cosa, Alexandru Viorel; et al.	A Study of Yielding and Plasticity of Rapid Prototyped ABS	MATHEMATICS	2227-7390	2021	9(13)	1495	2.258	3.258
65.6	Hikmat, Mohammed; Rostam, Sarkawt; Ahmed, Yassin Mustafa	Investigation of tensile property-based Taguchi method of PLA parts fabricated by FDM 3D printing technology	RESULTS IN ENGINEERING	2590-1230	2021	11	100264	0	1.000
65.7	Kafle, Abishek; Luis, Eric; Silwal, Raman; et al.	3D/4D Printing of Polymers: Fused Deposition Modelling (FDM), Selective Laser Sintering (SLS), and Stereolithography (SLA)	POLYMERS	2073-4360	2021	13(18)	3101	4.329	5.329
65.8	John, Lovin K.; Murugan, Ramu; Singamneni, Sarat	Impact of quasi-isotropic raster layup on the mechanical behaviour of fused filament fabrication parts	HIGH PERFORMANCE POLYMERS	0954-0083	2021	09540083211041954	09540083211041954	2.161	3.161
65.9	Len-Calero, Marina; Reyburn Vales, Sara Catherine; Marcos-Fernandez, Angel; et al.	3D Printing of Thermoplastic Elastomers: Role of the Chemical Composition and Printing Parameters in the Production of Parts with Controlled Energy Absorption and Damping Capacity	POLYMERS	2073-4360	2021	13(20)	3551	4.329	5.329
66	**C Vălean, L Marşavina, M Mărghitaş, E Linul, J Razavi, F Berto, R Brighenti**	**The effect of crack insertion for FDM printed PLA materials on Mode I and Mode II fracture toughness**	**Procedia Structural Integrity**	**2452-3216**	**2020**	**28**	**1134-1139**	**0**	
66.1	Milovanovic, Aleksa; Sedmak, Aleksandar; Grbovic, Aleksandar; et al.	Influence of second-phase particles on fracture behavior of PLA and advanced PLA-X material	Procedia Structural Integrity	2452-3216	2021	31	122-126	0	1.000
66.2	Serban, Dan-Andrei; Marsavina, Cosmin; Cosa, Alexandru Viorel; et al.	A Study of Yielding and Plasticity of Rapid Prototyped ABS	MATHEMATICS	2227-7390	2021	9(13)	1495	2.258	3.258
66.3	Cui, Shuanglong; Sun, Xiaogang; Luan, Meisheng; et al.	Research on crack detection method of ballastless track slab based on infrared thermometer	INFRARED PHYSICS & TECHNOLOGY	1350-4495	2021	116	103772	2.638	3.638
66.4	Fu, Jinwei; Haeri, Hadi; Sarfarazi, Vahab; et al.	Interaction Between the Notch and Mortar-Mortar Interface (with Different Inclinations) in Semi-Circular Bend Specimens	IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING	2228-6160	2021	DOI: 10.1007/s40996-021-00774-w	DOI: 10.1007/s40996-021-00774-w	1.465	2.465
66.5	Seibert, P.; Susmel, L.; Berto, F.; et al.	Applicability of strain energy density criterion for fracture prediction of notched PLA specimens produced via fused deposition modeling	ENGINEERING FRACTURE MECHANICS	0013-7944	2021	258	108103	4.406	5.406

TOTAL	**5,275.733**