

Lista lucrarilor publicate

Authors	Title	Year	Source title	Volume	Issue	Art. No.	Page start	Page end	Page count	Cited by	DOI	Document Type	Publication Stage	Access Type	Source
Murray, B.R., Kalteremidou, K.A., Carrella-Payan, D., Cernescu, A. , Van Hemelrijck, D., Pyl, L.	Failure characterisation of CF/epoxy V-shape components using digital image correlation and acoustic emission analyses	2020	Composite Structures	236		111797				3	10.1016/j.comstruct.2019.111797	Article	Final		Scopus
Pullin, R., Jenkins, I., Cernescu, A. , Edwards, A.	Equivalent biaxial strain evaluation in small punch testing using acoustic emission	2020	Journal of Strain Analysis for Engineering Design								10.1177/0309324720944067	Article	Article in Press		Scopus
Kalteremidou, K.-A., Tsangouri, E., Cernescu, A. , Murray, B.R., Pyl, L., Aggelis, D.G., van Hemelrijck, D.	Multiaxial damage identification of angle-ply laminates using acoustic emission and other online monitoring techniques	2020	ECCM 2018 - 18th European Conference on Composite Materials									Conference Paper	Final		Scopus
Stroita, D.C., Manea, A.S., Cernescu, A.	Blade polymeric material study of a cross-flow water turbine runner	2019	Materiale Plastice	56	2		366	369			10.37358/mp.19.2.5187	Article	Final	Open Access	Scopus
Dumitru, C., Cernescu, A. , Eremici, I., Bortun, C.M., Achiriloaiei, D.	Fatigue behavior of two acrylic denture base resins	2018	Materiale Plastice	55			567	570		1	10.37358/mp.18.4.5075	Article	Final	Open Access	Scopus
Murariu, A.C., Cernescu, A.V. , Perianu, I.-A.	The effect of saline environment on the fatigue behaviour of HVOF-sprayed WC-CrC-Ni coatings	2018	Surface Engineering	34	10		755	761		4	10.1080/02670844.2017.1388561	Article	Final		Scopus
Mihali, S.G., Canjau, S., Cernescu, A. , Bortun, C.M., Wang, H.-L., Bratu, E.	Effects of a short drilling implant protocol on osteotomy site temperature and drill torque	2018	Implant Dentistry	27	1		63	68		1	10.1097/ID.0000000000000707	Article	Final		Scopus
Pîrvulescu, L.D., Cernescu, A.	Fatigue damage prediction of notched samples	2018	35th Danubia Adria Symposium on Advances in Experimental Mechanics				25	26				Conference Paper	Final		Scopus
Grigore, A., Szuhaneck, C., Onisei, D., Cernescu, A.	A comparative study regarding the deformation values of orthodontic aligners	2017	Materiale Plastice	54	3		572	573			10.37358/mp.17.3.4898	Article	Final	Open Access	Scopus
Cernescu, A.	The influence of crack tip shielding on fatigue crack propagation	2017	Frattura ed Integrità Strutturale	11	41		307	313		2	10.3221/IGF-ESIS.41.41	Article	Final	Open Access	Scopus
Lengyel, B.C., Cernescu, A. , Voiconi, T., Ducan, D.	Analytical and experimental determination of elastic properties for synthetic leather	2016	Materiale Plastice	53	2		283	286				Article	Final		Scopus
Lengyel, B.-C., Cernescu, A. , Nes, C.S.	Analytical calculation of resistance to burst of single jersey underlying two synthetic materials used in furniture industry	2016	Solid State Phenomena	254			102	105			10.4028/www.scientific.net/SSP.254.102	Conference Paper	Final		Scopus
Lengyel, B.-C., Faur, N., Nes, C.-S., Cernescu, A.	Analytic study regarding yarn geometry of two synthetic materials used in furniture and automotive industry	2016	Solid State Phenomena	254			116	119			10.4028/www.scientific.net/SSP.254.116	Conference Paper	Final		Scopus
Achiriloaiei, D., Neş, C.S., Dumitru, I., Cernescu, A.	On the influence of the contact force and the angle between the wires on ACSR conductors' mechanical properties and durability	2016	Key Engineering Materials	665			33	36		1	10.4028/www.scientific.net/KEM.665.33	Conference Paper	Final		Scopus
Murray, B.R., Kalteremidou, K.A., Carrella-Payan, D., Cernescu, A. , Van Hemelrijck, D., Pyl, L.	Failure characterisation of CF/epoxy V-shape components using digital image correlation and acoustic emission analyses	2015.132	Composite Structures	302.391		111797				0.969646	10.1016/j.comstruct.2019.111798	Article	Final		Scopus
Pullin, R., Jenkins, I., Cernescu, A. , Edwards, A.	Equivalent biaxial strain evaluation in small punch testing using acoustic emission	2014.778	Journal of Strain Analysis for Engineering Design	324.6828						0.838111	10.1177/0309324720944067	Article	Article in Press		Scopus
Kalteremidou, K.-A., Tsangouri, E., Cernescu, A. , Murray, B.R., Pyl, L., Aggelis, D.G., van Hemelrijck, D.	Multiaxial damage identification of angle-ply laminates using acoustic emission and other online monitoring techniques	2014.424	ECCM 2018 - 18th European Conference on Composite Materials	346.9746						0.706577		Conference Paper	Final		Scopus
Stroita, D.C., Manea, A.S., Cernescu, A.	Blade polymeric material study of a cross-flow water turbine runner	2014.07	Materiale Plastice	369.2665	18.42584		33.21818	36.14545		0.575042	10.37358/mp.19.2.5188	Article	Final	Open Access	Scopus
Dumitru, C., Cernescu, A. , Eremici, I., Bortun, C.M., Achiriloaiei, D.	Fatigue behavior of two acrylic denture base resins	2013.716	Materiale Plastice	391.5583			-9.56364	-6.70909		0.443508	10.37358/mp.18.4.5076	Article	Final	Open Access	Scopus
Murariu, A.C., Cernescu, A.V. , Perianu, I.-A.	The effect of saline environment on the fatigue behaviour of HVOF-sprayed WC-CrC-Ni coatings	2013.363	Surface Engineering	413.8501	22.55024		-52.3455	-49.5636		0.311973	10.1080/02670844.2017.1388562	Article	Final		Scopus
Mihali, S.G., Canjau, S., Cernescu, A. , Bortun, C.M., Wang, H.-L., Bratu, E.	Effects of a short drilling implant protocol on osteotomy site temperature and drill torque	2013.009	Implant Dentistry	436.1419	24.61244		-95.1273	-92.4182		0.180438	10.1097/ID.0000000000000707	Article	Final		Scopus

Pîrvulescu, L.D., Cernescu, A.	Fatigue damage prediction of notched samples	2012.655	36th Danubia Adria Symposium on Advances in Experimental Mechanics	458.4337	26.67464			-137.909	-135.273		0.048904		Conference Paper	Final		Scopus
Grigore, A., Szuhanek, C., Onisei, D., Cernescu, A.	A comparative study regarding the deformation values of orthodontic aligners	2012.301	Materiale Plastice	480.7255	28.73684			-180.691	-178.127		-0.08263	10.37358/mp.17.3.4899	Article	Final	Open Access	Scopus
Cernescu, A.	The influence of crack tip shielding on fatigue crack propagation	2011.947	Frattura ed Integrita Strutturale	503.0173	30.79904			-223.473	-220.982		-0.21417	10.3221/IGF-ESIS.41.42	Article	Final	Open Access	Scopus
Lengyel, B.C., Cernescu, A. , Voiconi, T., Ducan, D.	Analytical and experimental determination of elastic properties for synthetic leather	2011.593	Materiale Plastice	525.3091	32.86124			-266.255	-263.836		-0.3457		Article	Final		Scopus
Lengyel, B.-C., Cernescu, A. , Nes, C.S.	Analytical calculation of resistance to burst of single jersey underlying two synthetic materials used in furniture industry	2011.24	Solid State Phenomena	547.6009				-309.036	-306.691		-0.47723	10.4028/ww.scientific.net/SSP.254.130	Conference Paper	Final		Scopus
Lengyel, B.-C., Faur, N., Nes, C.-S., Cernescu, A.	Analytic study regarding yarn geometry of two synthetic materials used in furniture and automotive industry	2010.886	Solid State Phenomena	569.8927				-351.818	-349.545		-0.60877	10.4028/ww.scientific.net/SSP.254.144	Conference Paper	Final		Scopus
Achiriloaiei, D., Neş, C.S., Dumitru, I., Cernescu, A.	On the influence of the contact force and the angle between the wires on ACSR conductors' mechanical properties and durability	2010.532	Key Engineering Materials	592.1845				-394.6	-392.4		-0.7403	10.4028/ww.scientific.net/KEM.665.34	Conference Paper	Final		Scopus
Murray, B.R., Kalteremidou, K.A., Carrella-Payan, D., Cernescu, A. , Van Hemelrijck, D., Pyl, L.	Failure characterisation of CF/epoxy V-shape components using digital image correlation and acoustic emission analyses	2010.178	Composite Structures	614.4763		111797					-0.87184	10.1016/j.compstruct.2019.111799	Article	Final		Scopus
Pullin, R., Jenkins, I., Cernescu, A. , Edwards, A.	Equivalent biaxial strain evaluation in small punch testing using acoustic emission	2009.824	Journal of Strain Analysis for Engineering Design	636.7681							-1.00337	10.1177/0309324720944067	Article	Article in Press		Scopus
Kalteremidou, K.-A., Tsangouri, E., Cernescu, A. , Murray, B.R., Pyl, L., Aggelis, D.G., van Hemelrijck, D.	Multiaxial damage identification of angle-ply laminates using acoustic emission and other online monitoring techniques	2009.47	ECCM 2018 - 18th European Conference on Composite Materials	659.0599							-1.13491		Conference Paper	Final		Scopus
Stroita, D.C., Manea, A.S., Cernescu, A.	Blade polymeric material study of a cross-flow water turbine runner	2009.116	Materiale Plastice	681.3517	34.92344			-437.382	-435.255		-1.26644	10.37358/mp.19.2.5189	Article	Final	Open Access	Scopus
Dumitru, C., Cernescu, A. , Eremici, I., Bortun, C.M., Achiriloaiei, D.	Fatigue behavior of two acrylic denture base resins	2008.763	Materiale Plastice	703.6435				-480.164	-478.109		-1.39798	10.37358/mp.18.4.5077	Article	Final	Open Access	Scopus
Murariu, A.C., Cernescu, A.V. , Perianu, I.-A.	The effect of saline environment on the fatigue behaviour of HVOF-sprayed WC-CrC-Ni coatings	2008.409	Surface Engineering	725.9353	39.04785			-522.945	-520.964		-1.52951	10.1080/02670844.2017.1388563	Article	Final		Scopus
Mihali, S.G., Canjau, S., Cernescu, A. , Bortun, C.M., Wang, H.-L., Bratu, E.	Effects of a short drilling implant protocol on osteotomy site temperature and drill torque	2008.055	Implant Dentistry	748.2271	41.11005			-565.727	-563.818		-1.66105	10.1097/ID.0000000000000707	Article	Final		Scopus
Pîrvulescu, L.D., Cernescu, A.	Fatigue damage prediction of notched samples	2007.701	37th Danubia Adria Symposium on Advances in Experimental Mechanics	770.5189	43.17225			-608.509	-606.673		-1.79258		Conference Paper	Final		Scopus
Grigore, A., Szuhanek, C., Onisei, D., Cernescu, A.	A comparative study regarding the deformation values of orthodontic aligners	2007.347	Materiale Plastice	792.8107	45.23445			-651.291	-649.527		-1.92411	10.37358/mp.17.3.4900	Article	Final	Open Access	Scopus
Cernescu, A.	The influence of crack tip shielding on fatigue crack propagation	2006.993	Frattura ed Integrita Strutturale	815.1025	47.29665			-694.073	-692.382		-2.05565	10.3221/IGF-ESIS.41.43	Article	Final	Open Access	Scopus
Lengyel, B.C., Cernescu, A. , Voiconi, T., Ducan, D.	Analytical and experimental determination of elastic properties for synthetic leather	2006.64	Materiale Plastice	837.3943	49.35885			-736.855	-735.236		-2.18718		Article	Final		Scopus
Lengyel, B.-C., Cernescu, A. , Nes, C.S.	Analytical calculation of resistance to burst of single jersey underlying two synthetic materials used in furniture industry	2006.286	Solid State Phenomena	859.6861				-779.636	-778.091		-2.31872	10.4028/ww.scientific.net/SSP.254.158	Conference Paper	Final		Scopus
Lengyel, B.-C., Faur, N., Nes, C.-S., Cernescu, A.	Analytic study regarding yarn geometry of two synthetic materials used in furniture and automotive industry	2005.932	Solid State Phenomena	881.9779				-822.418	-820.945		-2.45025	10.4028/ww.scientific.net/SSP.254.172	Conference Paper	Final		Scopus
Achiriloaiei, D., Neş, C.S., Dumitru, I., Cernescu, A.	On the influence of the contact force and the angle between the wires on ACSR conductors' mechanical properties and durability	2005.578	Key Engineering Materials	904.2697				-865.2	-863.8		-2.58179	10.4028/ww.scientific.net/KEM.665.35	Conference Paper	Final		Scopus
Murray, B.R., Kalteremidou, K.A., Carrella-Payan, D., Cernescu, A. , Van Hemelrijck, D., Pyl, L.	Failure characterisation of CF/epoxy V-shape components using digital image correlation and acoustic emission analyses	2005.224	Composite Structures	926.5615		111797					-2.71332	10.1016/j.compstruct.2019.111800	Article	Final		Scopus

Pullin, R., Jenkins, I., Cernescu, A. , Edwards, A.	Equivalent biaxial strain evaluation in small punch testing using acoustic emission	2004.87	Journal of Strain Analysis for Engineering Design	948.8533						-2.84486	10.1177/0309324720944067	Article	Article in Press		Scopus
Kalteremidou, K.-A., Tsangouri, E., Cernescu, A. , Murray, B.R., Pyl, L., Aggelis, D.G., van Hemelrijck, D.	Multiaxial damage identification of angle-ply laminates using acoustic emission and other online monitoring techniques	2004.516	ECCM 2018 - 18th European Conference on Composite Materials	971.1451						-2.97639		Conference Paper	Final		Scopus
Stroita, D.C., Manea, A.S., Cernescu, A.	Blade polymeric material study of a cross-flow water turbine runner	2004.163	Materiale Plastice	993.4369	51.42105		-907.982	-906.655		-3.10793	10.37358/mp.19.2.5190	Article	Final	Open Access	Scopus
Dumitru, C., Cernescu, A. , Eremici, I., Bortun, C.M., Achiriloaiei, D.	Fatigue behavior of two acrylic denture base resins	2003.809	Materiale Plastice	1015.729			-950.764	-949.509		-3.23946	10.37358/mp.18.4.5078	Article	Final	Open Access	Scopus
Murariu, A.C., Cernescu, A.V. , Perianu, I.-A.	The effect of saline environment on the fatigue behaviour of HVOF-sprayed WC-CrC-Ni coatings	2003.455	Surface Engineering	1038.02	55.54545		-993.545	-992.364		-3.37099	10.1080/02670844.2017.1388564	Article	Final		Scopus
Mihali, S.G., Canjau, S., Cernescu, A. , Bortun, C.M., Wang, H.-L., Bratu, E.	Effects of a short drilling implant protocol on osteotomy site temperature and drill torque	2003.101	Implant Dentistry	1060.312	57.60766		-1036.33	-1035.22		-3.50253	10.1097/ID.0000000000000707	Article	Final		Scopus
Pîrvulescu, L.D., Cernescu, A.	Fatigue damage prediction of notched samples	2002.747	38th Danubia Adria Symposium on Advances in Experimental Mechanics	1082.604	59.66986		-1079.11	-1078.07		-3.63406		Conference Paper	Final		Scopus
Grigore, A., Szuhaneck, C., Onisei, D., Cernescu, A.	A comparative study regarding the deformation values of orthodontic aligners	2002.393	Materiale Plastice	1104.896	61.73206		-1121.89	-1120.93		-3.7656	10.37358/mp.17.3.4901	Article	Final	Open Access	Scopus
Cernescu, A.	The influence of crack tip shielding on fatigue crack propagation	2002.04	Frattura ed Integrita Strutturale	1127.188	63.79426		-1164.67	-1163.78		-3.89713	10.3221/IGF-ESIS.41.44	Article	Final	Open Access	Scopus
Lengyel, B.C., Cernescu, A. , Voiconi, T., Ducan, D.	Analytical and experimental determination of elastic properties for synthetic leather	2001.686	Materiale Plastice	1149.48	65.85646		-1207.45	-1206.64		-4.02867		Article	Final		Scopus