

LISTA PUBLICAȚIILOR REZULTATE ÎN URMA CERCETĂRII DOCTORALE, PUBLICATE SAU ACCEPTATE SPRE PUBLICARE, SUB AFILIERE UPT

Ing. *Delia-Andrada DUCA*

1. Lucrări științifice publicate în reviste indexate Web of Science-WoS (ISI)

1. A. Kellenberger, **D. Duca**, M.L. Dan, M. Medeleanu, "Recycling Unused Midazolam Drug as Efficient Corrosion Inhibitor for Copper in Nitric Acid Solution", *Materials (Basel.)*, vol. 15, no. 8, pp. 2918, April 2022 (WOS:000785049900001). IF: 3,748.
2. A. Kellenberger, N. Vaszilcsin, **D. Duca**, M.L. Dan, N. Duteanu, S. Stiber, T. Morawietz, I. Biswas, S.A. Ansar, P. Gazdzicki, F.J. Wirkert, J. Roth, U. Rost, M. Brodmann, A.S. Gago, K.A. Friedrich, "Towards Replacing Titanium with Copper in the Bipolar Plates for Proton Exchange Membrane Electrolysis", *Materials*, vol. 15, no. 5, pp. 1628, March 2022 (WOS:000785049900001). IF: 3,748.
3. **D.A. Duca**, M.L. Dan, N. Vaszilcsin, "Recycling of Expired Cefotaxime Drug as Additive in the Copper and Nickel Electrodeposition from Acid Baths", *International Journal of Environmental and Public Health*, vol. 18 no. 18, pp. 9476, September 2021 (WOS:000700691000001) IF: 4,614.
4. A. Kellenberger, **D.A. Duca**, N. Vaszilcsin, C. Crăciunescu, "Electrochemical evaluation of Nb corrosion resistance in simulated anodic PEM electrolyzer environment", *International Journal of Electrochemical Science*, vol. 15, no. 11, pp.10664-10673, November 2020 (WOS:000591930300003) IF: 1,765.
5. N. Vaszilcsin, **D.A. Duca**, A. Flueraș, M.L. Dan, "Expired Drugs as Inhibitors in Electrochemical Processes – a mini-review", *Studia Chimica*, vol.64, no. 3, pp. 17-32, 2019 (WOS:000489744800004) IF: 0,558.
6. **D.A. Duca**, M.L. Dan, N. Vaszilcsin, "Reuse of Expired Cefotaxime Drug in Nickel Electrodeposition From Watts Bath", *Chemistry Journal of Moldova*, vol. 12 no. 1, pp. 87-94, 2017 (WOS:000404526200010).

2. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate Web of Science-WoS (ISI) Proceedings

1. M-A. Labosel, G. Dima, **D.A. Duca**, N. Vaszilcsin, M.L. Dan, Anodic sulphite oxidation on lead electrode in a neutral environment, in *Proc. 9th International Conference on Advanced Materials and Structures (AMS 2021) Materials Today Proceedings*, 2022, in press, corrected proof. (în curs de indexare WOS; 8th International Conference on Advanced Materials and Structures - 2020 indexată WOS).
2. M-A. Labosel, **D.A. Duca**, N. Vaszilcsin, M.L. Dan, "Electrochemical oxidation of sulphite in neutral media on graphite", in *Proc. 8th International Conference on Advanced Materials and Structures (AMS 2021) Materials Today Proceedings*, vol. 45, no. 5, pp. 4233-4236, May 2020 (WOS:000655645500028).
3. **D.A. Duca**, N. Vaszilcsin, M.L. Dan, "Recycling of Expired Midazolam as Levelling Agent in a Watts Electroplating Bath", in *Proc. 16th International Multidisciplinary Scientific GeoConference (SGEM 2016)*, vol. 4, no. 2, pp. 105-112, June 2016 (WOS:000391348700014).
4. **D.A. Duca**, L. Lupa, L. Coheci, R. Pode, "Reclaiming of Zinc Ash as Zincite and Layered Double Hydroxide", in *Proc. 16th International Multidisciplinary Scientific GeoConference (SGEM 2016)*, vol. 4, no. 2, pp. 97-104, June 2016 (WOS:000391348700013).

3. Lucrări științifice publicate în reviste de specialitate indexate BDI

1. **D.A. Duca**, M.L. Dan, N. Vaszilcsin, "Ceftriaxone as Corrosion Inhibitor for Nickel in Acid Solutions", *Advances Engineering Forum*, vol. 27, pp. 74-82, 2018. (Google Scholar).
2. V.D. CRAIA-Joldes, M.L. Dan, **D.A. Duca**, N. Vaszilcsin, "Calcium-doped Y114 Layered Cobalt Perovskite, a Promising Anodic Material for Direct Methanol Fuel Cell", *Advances Engineering Forum*, vol. 27, pp. 63-73, 2018. (Google Scholar)
3. **D.A. Duca**, M.L. Dan, N. Vaszilcsin, "Reuse of Expired Cefotaxime Drug in Copper Electrodeposition from Acid Bath", *Analele Universității Oradea, Fascicula Protecția Mediului*, vol. 27 (2), pp. 229-236, 2016. (B+ - CABI, Directory of Research Journals Indexing, Academic Resource Index, Social Science Research Network)
4. M.L. Dan, N. Vaszilcsin, **D.A. Duca**, V.D. Craia Joldes, "Ca Doped Y-114 Layered Cobalt Perovskite Electrodes with Catalytic Effect for Methanol Electrooxidation in Alkaline Solutions. I. Voltammetric studies", *Chemical Bulletin of "Politehnica" University of Timisoara, Romania Series of Chemistry and Environmental Engineering*, vol. 61, no. 75 (1), pp. 17-22, 2016. (Index Copernicus, Chemical Abstracts Plus, Ulrich's Periodicals)

5. M.L. Dan, **D.A. Duca**, N. Vaszilcsin, "Voltammetric Studies Of Ethanol Electrooxidation in Alkaline Media on Skeletal Nickel Electrode", *Analele Universității Oradea, Fascicula Protecția Mediului*, vol. 27, no. 2, pp. 221-228, 2016. (B+ - CABI, Directory of Research Journals Indexing, Academic Resource Index, Social Science Research Network)
6. **D.A. Duca**, M.L. Dan, N. Vaszilcsin, "Studies on the Possibility of Using Caffeine as Additive in a Watts Nickel Electroplating Bath", *Analele Universității Oradea, Fascicula Protecția Mediului*, vol. 26, no. 2, pp. 177-184, 2015. (B+ - CABI, Directory of Research Journals Indexing, Academic Resource Index, Social Science Research Network)

4. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate BDI

1. **D.A. Duca**, M.L. Dan, N. Vaszilcsin, "Expired Domestic Drug - Paracetamol - as Corrosion Inhibitor for Carbon Steel in Acid Media", in *Proc. IOP Conference Series Materials Science and Engineering (AMS 2018)*, Vol. 416, pp. 012043, March 2018. (Google Scholar)
2. **D.A. Duca**, M.L. Dan, A.Z. Vidinaru, R. Muntean, N. Vaszilcsin "Enhancement of Hydrogen Evolution Reaction on Pt-Co Layer Deposited on Copper", in *Proc. IOP Conference Series Materials Science and Engineering (AMS 2018)*, Vol. 416, pp. 012033, March 2018. (Google Scholar)
3. **D.A. Duca**, M.L. Dan, N. Vaszilcsin, "Voltammetric Studies of Methanol Electrooxidation in Alkaline Solutions on Skeletal Nickel Based 6 Layers Platinum Nanoparticles Electrode", in *Proc. of the Georgian National Academy of Sciences, Chemical Series*, vol. 43, no 3, pp. 350-354, 2016. (Google Scholar)
4. M.L. Dan, **D.A. Duca**, N. Vaszilcsin, V.D. Craia Joldes, "Voltammetric Studies of Ca Doped Y-114 Layered Cobalt Perovskite Electrodes with Catalytic Effect for Ethanol Electrooxidation in Alkaline Solutions", in *Proc. of the Georgian National Academy of Sciences, Chemical Series*, vol. 43, no. 3, pp. 340-344, 2016. (Google Scholar)
5. C.G. Vaszilcsin, M.L. Dan, **D.A. Duca**, M.A. Labosel, "Inhibitory Effect of Resveratrol on Aluminum Corrosion in Alcoholic Solutions", in *Proc. of the Georgian National Academy of Sciences, Chemical Series*, vol. 43, no. 3, pp. 355-359, 2016. (Google Scholar)

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