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L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

Structuri și tehnici pentru operaționalizarea managementului apelor uzate în industria materialelor metalice, Universitatea POLITEHNICA Bucuresti, 2005.

B. Cărți si capitole în cărți publicate în ultimii 10 ani

2023

B1. E. Matei, A.A. Șăulean (Țurcanu) – ” Ecologie și toxicologie”, Ed. Printech, 2023

2021

B2. E. Matei „ Managementul apelor uzate in sectoarele siderugice”, Ed. Printech, 2021

B3. E. Matei, A.A. Turcanu „Chimia Mediului”, Ed. Printech, 2021.

2020

B4. R. Vidu, C. Predescu, A. Predescu, E. Matei ”Nanomateriale pentru epurarea apelor”, Ed. Printech, 2020

2014

B5. C. Covaliu, Ecaterina Matei, G. Paraschiv, A. Predescu “Metode de analiză a calității apelor”, 2014, Ed. Printech, ISBN 978-606-23-0329-7(pag. 108)

B6. C. Covaliu, E. Matei, G. Paraschiv, Ecologie și protecția mediului, Editura Printech, 2014, ISBN 978-606-230-337-2 (pag. 150)

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B7. C. Predescu, Ecaterina Matei, Mirela Sohaciu, Andra Predescu, Andrei Berbecaru, George Coman „Protectia mediului in industrie. Indrumar de laborator si aplicatii”, 2013, Ed. Printech, ISBN 978-606-23-0050-0 (pag.172)

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

2024

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4. Bobirica, L; Orbeci, C; Pîrvu, C; Constantinescu, A; Bîru, EI; Ionica, GI; **Matei, E**; Berbecaru, AC; Bobirica, C, Modular Photocatalytic Reactor for the Removal of Estrogens from Aqueous Solutions,

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5. Costandache, A.; Covaliu, L.; Saulean, A.; Covaliu-Mierla, C.; **Matei, E.**; Teodorescu, R.; Tudor, V. Green-synthesized ZnO NPs as sustainable photocatalysts for the degradation of acetaminophen. Scientific papers-series e-land reclamation earth observation & surveying environmental engineering 2024, 13, 692-697. WOS:0014119329000
6. Tarcea, C.; Saulean, A.; Tudor, O.; Predescu, A.; **Matei, E.**; Predescu, C. Experimental research on the influence of air quality on hairs. University Politehnica of Bucharest Scientific Bulletin series B-Chemistry and Materials Science 2024, 86, 16-16. WOS:001247485400017
7. Gheorghe (Rauta) D; **Matei E.**; Avramescu S.M, Corrosion inhibition of mild steel by rhus typhina leaf extract in HCl solutions, University Politehnica of Bucharest Scientific Bulletin series B-Chemistry and Materials Science, pg. 251-262, 2024, WOS:001196525500022
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9. Coman, G; Berbecaru, A; Costea, MN; Sohaciu, M; **Matei, E.**; Predescu, A; Ciuca, S; Predescu, C, Corrosion behavior in aqueous environments of martensitic stainless steels used in hydropower turbine blades, University Politehnica of Bucharest Scientific Bulletin series B-Chemistry and Materials Science, 2024, VL 86, IS 4, 203 -216, WOS:00138094350
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5. Covaliu-Mierlă, C.I., **Matei, E.**, Stoian, O., Covaliu, L., Constandache, A.-C., Iovu, H., Paraschiv, G., TiO₂-Based Nanofibrous Membranes for Environmental Protection, (2022) *Membranes*, 12 (2), art. no. 236, DOI: 10.3390/membranes12020236
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