

Mariana Neamtu

List of Publications by Year in descending order

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39
papers

1,979
citations

393982

19
h-index

329751

37
g-index

39
all docs

39
docs citations

39
times ranked

2729
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidation of commercial reactive azo dye aqueous solutions by the photo-Fenton and Fenton-like processes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 161, 87-93.	2.0	237
2	Kinetics of decolorization and mineralization of reactive azo dyes in aqueous solution by the UV/H ₂ O ₂ oxidation. <i>Dyes and Pigments</i> , 2002, 53, 93-99.	2.0	224
3	Thermal stability, antioxidant activity, and photo-oxidation of natural polyphenols. <i>Chemical Papers</i> , 2014, 68, .	1.0	222
4	Decolorization of disperse red 354 azo dye in water by several oxidation processes—a comparative study. <i>Dyes and Pigments</i> , 2004, 60, 61-68.	2.0	208
5	Fe-exchanged Y zeolite as catalyst for wet peroxide oxidation of reactive azo dye Procion Marine H-EXL. <i>Applied Catalysis B: Environmental</i> , 2004, 48, 287-294.	10.8	162
6	Photodegradation of endocrine disrupting chemical nonylphenol by simulated solar UV-irradiation. <i>Science of the Total Environment</i> , 2006, 369, 295-306.	3.9	105
7	Effect of dealumination of iron(III)-exchanged Y zeolites on oxidation of Reactive Yellow 84 azo dye in the presence of hydrogen peroxide. <i>Applied Catalysis B: Environmental</i> , 2004, 51, 149-157.	10.8	98
8	Functionalized magnetic nanoparticles: Synthesis, characterization, catalytic application and assessment of toxicity. <i>Scientific Reports</i> , 2018, 8, 6278.	1.6	95
9	Degradation of endocrine disrupting bisphenol A by 254nm irradiation in different water matrices and effect on yeast cells. <i>Water Research</i> , 2006, 40, 3745-3750.	5.3	85
10	The effect of nitrate, Fe(III) and bicarbonate on the degradation of bisphenol A by simulated solar UV-irradiation. <i>Water Research</i> , 2007, 41, 4479-4487.	5.3	68
11	Degradation of eight relevant micropollutants in different water matrices by neutral photo-Fenton process under UV254 and simulated solar light irradiation – A comparative study. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 30-37.	10.8	63
12	Chemical, biological, and ecotoxicological assessment of pesticides and persistent organic pollutants in the Bahlui River, Romania. <i>Environmental Science and Pollution Research</i> , 2009, 16, 76-85.	2.7	39
13	Green Fenton-like magnetic nanocatalysts: Synthesis, characterization and catalytic application. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 667-677.	10.8	36
14	Singlet oxygen generation potential of porphyrin-sensitized magnetite nanoparticles: Synthesis, characterization and photocatalytic application. <i>Applied Catalysis B: Environmental</i> , 2018, 232, 553-561.	10.8	33
15	Simulated solar UV-irradiation of endocrine disrupting chemical octylphenol. <i>Journal of Hazardous Materials</i> , 2009, 164, 1561-1567.	6.5	25
16	Hybrid iron-based core-shell magnetic catalysts for fast degradation of bisphenol A in aqueous systems. <i>Chemical Engineering Journal</i> , 2016, 302, 587-594.	6.6	23
17	Ozone photolysis of paracetamol in aqueous solution. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 1264-1271.	0.9	22
18	Iron phthalocyanine-sensitized magnetic catalysts for BPA photodegradation. <i>Scientific Reports</i> , 2020, 10, 5376.	1.6	22

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19	Catalytical degradation of relevant pollutants from waters using magnetic nanocatalysts. Applied Surface Science, 2015, 352, 42-48.	3.1	21
20	Experimental and simulation results of the adsorption of Mo and V onto ferrihydrite. Scientific Reports, 2019, 9, 1365.	1.6	21
21	Ultrasound assisted synthesis of heterostructured TiO ₂ /ZnFe ₂ O ₄ and TiO ₂ /ZnFe _{1.98} La _{0.02} O ₄ systems as tunable photocatalysts for efficient organic pollutants removal. Ceramics International, 2022, 48, 4829-4840.	2.3	18
22	Kinetics of nitromusk compounds degradation in water by ultraviolet radiation and hydrogen peroxide. Chemosphere, 2000, 40, 1407-1410.	4.2	17
23	Advanced removal of Reactive Yellow 84 azo dye using functionalised amorphous calcium carbonates as adsorbent. Scientific Reports, 2022, 12, 3112.	1.6	16
24	Tannic acid- and natural organic matter-coated magnetite as green Fenton-like catalysts for the removal of water pollutants. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	15
25	Removal of pollutants by the new Fenton-like highly active catalysts containing an imidazolium salt and a Schiff base. Applied Catalysis B: Environmental, 2016, 183, 335-342.	10.8	15
26	Zn adsorption onto Irish Fucus vesiculosus: Biosorbent uptake capacity and atomistic mechanism insights. Journal of Hazardous Materials, 2019, 365, 252-260.	6.5	13
27	Bestimmung von Umweltqualitätsnormen für potenziell gewässerrelevante Stoffe. Clean - Soil, Air, Water, 2006, 34, 389-397.	0.8	12
28	Baltic Fucus vesiculosus as potential bio-sorbent for Zn removal: Mechanism insight. Chemosphere, 2020, 238, 124652.	4.2	12
29	Enhanced visible light activated mesoporous titania by rare earth metal doping. Microporous and Mesoporous Materials, 2022, 341, 112072.	2.2	11
30	CATALYTIC WET PEROXIDE OXIDATION OF AN AZO DYE, REACTIVE YELLOW 84, OVER Fe-EXCHANGED ULTRASTABLE Y ZEOLITE. Environmental Engineering and Management Journal, 2002, 1, 177-186.	0.2	9
31	Photocatalysis of β -cyclodextrin-functionalised Fe ₃ O ₄ nanoparticles for degrading Bisphenol A in polluted waters. Environmental Chemistry, 2019, 16, 125.	0.7	7
32	Complex Risks from Old Urban Waste Landfills: Sustainability Perspective from Iasi, Romania. Journal of Hazardous, Toxic, and Radioactive Waste, 2012, 16, 158-168.	1.2	5
33	Thin films containing oxalate-capped iron oxide nanomaterials deposited on glass substrate for fast Fenton degradation of some micropollutants. Environmental Science and Pollution Research, 2018, 25, 6802-6813.	2.7	5
34	The Irish kelp, Fucus vesiculosus, a highly potential green bio sorbent for Cd (II) removal: Mechanism, quantitative and qualitative approaches. Journal of Cleaner Production, 2021, 327, 129422.	4.6	5
35	Photodegradation of reactive yellow 84 AZO dye in aqueous solution. Toxicological and Environmental Chemistry, 2000, 78, 31-40.	0.6	4
36	Ectonucleotidase Inhibitory and Redox Activity of Imidazole-Based Organic Salts and Ionic Liquids. ChemMedChem, 2018, 13, 2297-2304.	1.6	3

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37	Geochemical investigations of noble metal-bearing ores: Synchrotron-based micro-analyses and microcosm bioleaching studies. <i>Chemosphere</i> , 2021, 270, 129388.	4.2	2
38	Environment-Friendly Magnetic Fluids for Wastewater Remediation - Synthesis and Characterization. <i>Acta Physica Polonica A</i> , 2015, 127, 647-649.	0.2	1
39	Ultrasound Assisted Synthesis of Carbon-Nitrogen co-doped Mesoporous Titania for Organic Pollutants Removal. , 2020, , .		0