

Mariana Neamtu

List of Publications by Citations

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37
papers

1,580
citations

18
h-index

39
g-index

39
ext. papers

1,754
ext. citations

8.6
avg, IF

4.51
L-index

#	Paper	IF	Citations
37	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	4.7	199
36	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	4.6	193
35	Decolorization of disperse red 354 azo dye in water by several oxidation processes – comparative study. <i>Dyes and Pigments</i> , 2004 , 60, 61-68	4.6	179
34	Thermal stability, antioxidant activity, and photo-oxidation of natural polyphenols. <i>Chemical Papers</i> , 2014 , 68,	1.9	153
33	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	21.8	146
32	Photodegradation of endocrine disrupting chemical nonylphenol by simulated solar UV-irradiation. <i>Science of the Total Environment</i> , 2006 , 369, 295-306	10.2	91
31	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	21.8	90
30	Degradation of endocrine disrupting bisphenol A by 254 nm irradiation in different water matrices and effect on yeast cells. <i>Water Research</i> , 2006 , 40, 3745-50	12.5	76
29	Functionalized magnetic nanoparticles: Synthesis, characterization, catalytic application and assessment of toxicity. <i>Scientific Reports</i> , 2018 , 8, 6278	4.9	72
28	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, 4479-87	12.5	62
27	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	21.8	52
26	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 Suppl 1, S76-85	5.1	31
25	Green Fenton-like magnetic nanocatalysts: Synthesis, characterization and catalytic application. <i>Applied Catalysis B: Environmental</i> , 2015 , 176-177, 667-677	21.8	30
24	Singlet oxygen generation potential of porphyrin-sensitized magnetite nanoparticles: Synthesis, characterization and photocatalytic application. <i>Applied Catalysis B: Environmental</i> , 2018 , 232, 553-561	21.8	21
23	Catalytical degradation of relevant pollutants from waters using magnetic nanocatalysts. <i>Applied Surface Science</i> , 2015 , 352, 42-48	6.7	21
22	Simulated solar UV-irradiation of endocrine disrupting chemical octylphenol. <i>Journal of Hazardous Materials</i> , 2009 , 164, 1561-7	12.8	21
21	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	14.7	20

20	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, 1264-71	2.3	18
19	Tannic acid- and natural organic matter-coated magnetite as green Fenton-like catalysts for the removal of water pollutants. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	12
18	Kinetics of nitromusk compounds degradation in water by ultraviolet radiation and hydrogen peroxide. <i>Chemosphere</i> , 2000 , 40, 1407-10	8.4	12
17	Experimental and simulation results of the adsorption of Mo and V onto ferrihydrite. <i>Scientific Reports</i> , 2019 , 9, 1365	4.9	10
16	Bestimmung von Umweltqualitätsnormen für potenziell gewässerrelevante Stoffe. <i>Clean - Soil, Air, Water</i> , 2006 , 34, 389-397		10
15	Zn adsorption onto Irish <i>Fucus vesiculosus</i> : Biosorbent uptake capacity and atomistic mechanism insights. <i>Journal of Hazardous Materials</i> , 2019 , 365, 252-260	12.8	10
14	Removal of pollutants by the new Fenton-like highly active catalysts containing an imidazolium salt and a Schiff base. <i>Applied Catalysis B: Environmental</i> , 2016 , 183, 335-342	21.8	9
13	Iron phthalocyanine-sensitized magnetic catalysts for BPA photodegradation. <i>Scientific Reports</i> , 2020 , 10, 5376	4.9	8
12	CATALYTIC WET PEROXIDE OXIDATION OF AN AZO DYE, REACTIVE YELLOW 84, OVER Fe-EXCHANGED ULTRASTABLE Y ZEOLITE. <i>Environmental Engineering and Management Journal</i> , 2002 , 1, 177-186	0.6	8
11	Photocatalysis of Cyclodextrin-functionalised Fe ₃ O ₄ nanoparticles for degrading Bisphenol A in polluted waters. <i>Environmental Chemistry</i> , 2019 , 16, 125	3.2	4
10	Photodegradation of reactive yellow 84 AZO-dye in aqueous solution. <i>Toxicological and Environmental Chemistry</i> , 2000 , 78, 31-40	1.4	4
9	Baltic <i>Fucus vesiculosus</i> as potential bio-sorbent for Zn removal: Mechanism insight. <i>Chemosphere</i> , 2020 , 238, 124652	8.4	4
8	Thin films containing oxalate-capped iron oxide nanomaterials deposited on glass substrate for fast Fenton degradation of some micropollutants. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 6802-6813	5.1	3
7	Complex Risks from Old Urban Waste Landfills: Sustainability Perspective from Iasi, Romania. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2012 , 16, 158-168	2.3	3
6	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. <i>Ceramics International</i> , 2021 , 48, 4829-4829	5.1	3
5	Environment-Friendly Magnetic Fluids for Wastewater Remediation - Synthesis and Characterization. <i>Acta Physica Polonica A</i> , 2015 , 127, 647-649	0.6	1
4	The Irish kelp, <i>Fucus vesiculosus</i> , a highly potential green bio sorbent for Cd (II) removal: Mechanism, quantitative and qualitative approaches. <i>Journal of Cleaner Production</i> , 2021 , 327, 129422	10.3	1
3	Geochemical investigations of noble metal-bearing ores: Synchrotron-based micro-analyses and microcosm bioleaching studies. <i>Chemosphere</i> , 2021 , 270, 129388	8.4	1

2	Ectonucleotidase Inhibitory and Redox Activity of Imidazole-Based Organic Salts and Ionic Liquids. <i>ChemMedChem</i> , 2018 , 13, 2297-2304	3-7	1
1	Advanced removal of Reactive Yellow 84 azo dye using functionalised amorphous calcium carbonates as adsorbent.. <i>Scientific Reports</i> , 2022 , 12, 3112	4-9	1