

Mohammad Hossein Rasoulifard

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

2,971
citations

218677

26
h-index

168389

53
g-index

80
all docs

80
docs citations

80
times ranked

3655
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of modified lanthanide nanoperovskites for photocatalytic removal of azo dyes under visible light irradiation. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 6485-6501.	3.3	2
2	Predicting of acid red 14 removals from synthetic wastewater in the advanced oxidation process using artificial neural networks and fuzzy regression. <i>Rendiconti Lincei</i> , 2022, 33, 115-126.	2.2	7
3	Design of a new light curable starch-based hydrogel drug delivery system to improve the release rate of quercetin as a poorly water-soluble drug. <i>European Journal of Pharmaceutical Sciences</i> , 2022, 174, 106191.	4.0	10
4	A solar-driven CPC photoreactor for decomposition of emerging contaminants in wastewater: Modeling and optimization. <i>Chemical Engineering Research and Design</i> , 2022, 182, 580-591.	5.6	2
5	Synthesis and evaluation of the efficiency of antibacterial hydrogel beads based on the sodium alginate-ferula gum for delayed release of quercetin. <i>Polymer Bulletin</i> , 2021, 78, 3667-3685.	3.3	6
6	Continuous removal of Basic Red 46 from aqueous solutions using modified Portland cement in column study. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 647-658.	3.5	2
7	The main role of CuO loading against electron-hole recombination of SrTiO ₃ : Improvement and investigation of photocatalytic activity, modeling and optimization by response surface methodology. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 404, 112886.	3.9	13
8	The role of MnO ₂ /polyaniline/Y-type barium hexaferrite (Al ₂ Y) photocatalytic activity for the absorption properties of polyester coatings. <i>New Journal of Chemistry</i> , 2021, 45, 3252-3262.	2.8	1
9	Synthesis of a green bigel using cottonseed oil/cannabis oil/alginate/ferula gum for quercetin release: Synergistic effects for treating infertility in rats. <i>International Journal of Biological Macromolecules</i> , 2021, 177, 157-165.	7.5	14
10	Synergistic photocatalytic-adsorption removal effect of NiFe ₂ O ₄ -Zn-Al mixed metal oxide composite under visible-light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 414, 113268.	3.9	22
11	Dye Contaminants Removal via the Photocatalytic Activity of Metal Oxides-Supported Ag and AgCl Under Visible Light Irradiation. <i>Environmental Engineering Science</i> , 2021, 38, 955-964.	1.6	1
12	A novel and safe pharmaceutical effluent disposal protocol by glass-based Ag ₀ nanocomposite/oxidant degradation process and Ascorbic acid cooperation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105218.	6.7	3
13	Improvement of microwave absorption properties of polyester coatings using NiFe ₂ O ₄ , X-doped g-C ₃ N ₄ (X = S, P, and O), and MTiO ₃ (M = Fe, Mg, and Zn) nanofillers. <i>Scientific Reports</i> , 2021, 11, 19339.	3.3	15
14	Application of whey protein-alginate particles coated by black seed oil as a biocompatible carrier of quercetin at treating non-alcoholic fatty liver disease. <i>Journal of Functional Foods</i> , 2021, 86, 104728.	3.4	4
15	Photocatalytic of Congo Red Decolorization in the Presence of Ag/AgCl/TiO ₂ Nanocomposite: Optimization of Process with Taguchi Method. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 5619-5632.	3.0	7
16	Photocatalytic activity of cation (Mn) and anion (N) substitution in LaCoO ₃ nanoperovskite under visible light. <i>Rare Metals</i> , 2020, 39, 139-146.	7.1	28
17	High performance microwave shielding in green nanocomposite coating based on polyurethane via nickel oxide, Mn _x Fe _{3-x} O ₄ and polyaniline nanoparticles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 262, 114728.	3.5	8
18	The role of carbon-based nanosheets in enhancement of photocatalytic activity of Ag ₁₀ Si ₄ O ₁₃ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 394, 112486.	3.9	5

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19	Tris(hydroxymethyl)aminomethane-grafted polyamine nanofiltration membrane: enhanced antifouling and pH resistant properties. <i>New Journal of Chemistry</i> , 2020, 44, 6321-6330.	2.8	8
20	Facile preparation of an enhanced microwave absorbing based on polyester composite containing Ca ₃ Al ₂ Si ₃ O ₁₂ , polyaniline, and spinel ferrite (Cu, Mg, and Ni) nanoparticles. <i>Materials Chemistry and Physics</i> , 2020, 255, 123529.	4.0	3
21	Synthesis of Ag/AgCl/TiO ₂ nanocomposite and study of photocatalytic activity in VOCs removal from gas phase. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, , 1-17.	3.3	3
22	Photocatalytic discoloration of an azo-dye using LaMn _{0.5} Ti _{0.5} O ₃ double perovskite under visible light irradiation and enhancement of photocatalytic activity by using graphene. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 128, 539-554.	1.7	6
23	Enhancing quercetin bioavailability by super paramagnetic starch-based hydrogel grafted with fumaric acid: An in vitro and in vivo study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110487.	5.0	21
24	Enhanced sonocatalytic performance of ZnTi nano-layered double hydroxide by substitution of Cu (II) cations. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104632.	8.2	31
25	ZnS/ZnNiAl-LDH/GO nanocomposite as a visible-light photocatalyst: preparation, characterization and modeling. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 12152-12162.	2.2	4
26	Synergistic decomposition of imidacloprid by TiO ₂ -Fe ₃ O ₄ nanocomposite conjugated with persulfate in a photovoltaic-powered UV-LED photoreactor. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 965-974.	2.7	11
27	Immobilization of Fe ₃ O ₄ /TiO ₂ nanocomposite thin layer on the glass tubes in a component parabolic collector for the treatment of DR23. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 7509-7522.	3.5	6
28	Starch-based polyurethane/CuO nanocomposite foam: Antibacterial effects for infection control. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 1076-1082.	7.5	47
29	The role of prepared ZnO nanoparticles on improvement of mechanical and antibacterial properties of flexible polyurethane foams: experimental modeling. <i>Polymer Bulletin</i> , 2018, 75, 1519-1533.	3.3	15
30	Enhanced microwave absorption property of $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ altimg}=\text{"si1.gif"} \rangle$		

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37	Photocatalytic activity of g-C ₃ N ₄ : An empirical kinetic model, optimization by neuro-genetic approach and identification of intermediates. <i>Chemical Engineering Research and Design</i> , 2017, 127, 113-125.	5.6	25
38	Polyurethane foam-cadmium sulfide nanocomposite with open cell structure: Dye removal and antibacterial applications. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 547-554.	2.7	12
39	Visible light photocatalytic activity of chitosan/poly(vinyl alcohol)/TiO ₂ nanocomposite for dye removal: taguchi-based optimization. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 66-72.	2.3	8
40	Adsorption of cefixime from aqueous solutions using modified hardened paste of Portland cement by perlite; optimization by Taguchi method. <i>Water Science and Technology</i> , 2016, 74, 1069-1078.	2.5	20
41	Effect of UV-LED wavelengths on direct photolytic and TiO ₂ photocatalytic degradation of emerging contaminants in water. <i>Chemical Engineering Journal</i> , 2016, 300, 414-422.	12.7	154
42	Microwave absorption properties of polypyrrole-SrFe ₁₂ O ₁₉ -TiO ₂ -epoxy resin nanocomposites: Optimization using response surface methodology. <i>Applied Surface Science</i> , 2016, 383, 9-18.	6.1	38
43	Influence of structure on release profile of acyclovir loaded polyurethane nanofibers: Monolithic and core/shell structures. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	11
44	Kinetic study on degradation of tylosin in aqueous media using potassium peroxydisulfate in the presence of immobilized nanosilver. <i>Desalination and Water Treatment</i> , 2016, 57, 3552-3558.	1.0	0
45	Visible-light photocatalytic activity of chitosan/polyaniline/CdS nanocomposite: Kinetic studies and artificial neural network modeling. <i>Applied Catalysis A: General</i> , 2016, 514, 60-70.	4.3	39
46	Microwave absorption properties of polyaniline-Fe ₃ O ₄ /ZnO-polyester nanocomposite: Preparation and optimization. <i>Applied Surface Science</i> , 2016, 366, 210-218.	6.1	55
47	Decomposition of organic chemicals by zeolite-TiO ₂ nanocomposite supported onto low density polyethylene film under UV-LED powered by solar radiation. <i>Applied Catalysis B: Environmental</i> , 2016, 183, 407-416.	20.2	68
48	Adsorption and photocatalytic degradation of organic dyes onto crystalline and amorphous hydroxyapatite: Optimization, kinetic and isotherm studies. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 481-489.	2.7	23
49	Dielectric breakdown strength of magnetic nanofluid based on insulation oil after impulse test. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 399, 1-4.	2.3	53
50	Photocatalytic activity of zinc stannate: Preparation and modeling. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 58, 324-332.	5.3	17
51	Electrochemical and photo-assisted electrochemical treatment of the pesticide imidacloprid in aqueous solution by the Fenton process: effect of operational parameters. <i>Research on Chemical Intermediates</i> , 2016, 42, 855-868.	2.7	27
52	Degradation of organophosphorus pesticide diazinon using activated persulfate: Optimization of operational parameters and comparative study by Taguchi's method. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 57, 77-90.	5.3	52
53	Performance of the light-emitting-diodes in a continuous photoreactor for degradation of Direct Red 23 using UV-LED/S ₂ O ₈ ²⁻ process. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 24, 121-126.	5.8	31
54	Evaluation of the Effectiveness of Process in Removal Trace Anthraquinone C. I. Acid Blue 25 from Wastewater. <i>Chemical Engineering Communications</i> , 2015, 202, 467-474.	2.6	0

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55	Photocatalytic degradation of acid red 14 from contaminated water using immobilized TiO ₂ nanoparticles on glass beads activated by UV/peroxydisulfate. <i>Desalination and Water Treatment</i> , 2014, 52, 5479-5484.	1.0	10
56	Kinetic study for photocatalytic degradation of Direct Red 23 in UV/LED/nano-TiO ₂ /S ₂ O ₈ ²⁻ process: Dependence of degradation kinetic on operational parameters. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3695-3702.	5.8	36
57	Modified Fe ₃ O ₄ -hydroxyapatite nanocomposites as heterogeneous catalysts in three UV, Vis and Fenton like degradation systems. <i>Applied Surface Science</i> , 2014, 319, 358-366.	6.1	66
58	Removal of tylosin from aqueous solution by UV/nano Ag/S ₂ O ₈ ²⁻ process : Influence of operational parameters and kinetic study. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 1577-1581.	2.7	26
59	Interaction between deferiprone and human serum albumin: Multi-spectroscopic, electrochemical and molecular docking methods. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 64, 9-17.	4.0	29
60	Chitosan/polyaniline/MWCNT nanocomposite fibers as an electrode material for electrical double layer capacitors. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 9350-9355.	7.1	33
61	Photocatalytic degradation of tylosin via ultraviolet-activated persulfate in aqueous solution. <i>International Journal of Industrial Chemistry</i> , 2012, 3, 16.	3.1	15
62	Ultraviolet Light-Emitting Diodes and Peroxydisulfate for Degradation of Basic Red 46 from Contaminated Water. <i>Environmental Engineering Science</i> , 2011, 28, 229-235.	1.6	20
63	Homogeneous and heterogeneous AOPs for rapid degradation of Triton X-100 in aqueous media via UV light, nano titania hydrogen peroxide and potassium persulfate. <i>Chemical Engineering Journal</i> , 2011, 167, 172-182.	12.7	112
64	Photo-assisted hetero-Fenton decolorization of azo dye from contaminated water by Fe-Si mixed oxide nanocomposite. <i>Environmental Technology (United Kingdom)</i> , 2011, 32, 1627-1635.	2.2	18
65	Investigation of the oxidative decolorization of Acid Red 14 by peroxydisulfate with thermally activated and Ag(I) catalysis. <i>Desalination and Water Treatment</i> , 2011, 28, 115-119.	1.0	5
66	Removal of the Alphazurine FG Dye from Simulated Solution by Electrocoagulation. <i>Clean - Soil, Air, Water</i> , 2010, 38, 401-408.	1.1	20
67	Removal of C.I. Basic Yellow 2 from aqueous solution by low-cost adsorbent: hardened paste of Portland cement. <i>Environmental Technology (United Kingdom)</i> , 2010, 31, 277-284.	2.2	14
68	The photooxidative destruction of C.I. Basic Yellow 2 using UV/S ₂ O ₈ ²⁻ process in a rectangular continuous photoreactor. <i>Journal of Hazardous Materials</i> , 2009, 166, 61-66.	12.4	132
69	Electro-Fenton treatment of dye solution containing Orange II: Influence of operational parameters. <i>Journal of Electroanalytical Chemistry</i> , 2008, 615, 165-174.	3.8	175
70	The photo-oxidative destruction of C.I. Basic Yellow 2 using UV/S ₂ O ₈ ²⁻ process in an annular photoreactor. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2008, 43, 657-663.	1.7	11
71	Impact of harvesting on constructed wetlands performance—a comparison between <i>Scirpus grossus</i> and <i>Typha angustifolia</i> . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2008, 43, 664-671.	1.7	44
72	Removal of C.I. Acid Orange 7 from aqueous solution by UV irradiation in the presence of ZnO nanopowder. <i>Journal of Hazardous Materials</i> , 2007, 143, 95-101.	12.4	214

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73	Biodegradation of dye solution containing Malachite Green: Optimization of effective parameters using Taguchi method. Journal of Hazardous Materials, 2007, 143, 214-219.	12.4	252
74	Decolorization of C.I. Acid Yellow 23 solution by electrocoagulation process: Investigation of operational parameters and evaluation of specific electrical energy consumption (SEEC). Journal of Hazardous Materials, 2007, 148, 566-572.	12.4	210
75	Photocatalytic degradation of the insecticide diazinon in the presence of prepared nanocrystalline ZnO powders under irradiation of UV-C light. Separation and Purification Technology, 2007, 58, 91-98.	7.9	329
76	Immobilization of TiO ₂ Nanopowder on Glass Beads for the Photocatalytic Decolorization of an Azo Dye C.I. Direct Red 23. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2005, 40, 1605-1617.	1.7	80
77	Solar photocatalytic oxidation of an azo dye with immobilised TiO ₂ / S ₂ O ₈ ²⁻ in a component parabolic collector-reactor. , 0, 81, 223-232.		3
78	Synthesis and visible-light photocatalytic activity of nanoperovskites and exploration of silver decoration to enhance photocatalytic efficiency. , 0, 194, 194-202.		1