Mohammad Hossein Rasoulifard

List of Publications by Year
in descending order

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	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
2	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
3	Removal of C.I. Acid Orange 7 from aqueous solution by UV irradiation in the presence of ZnO nanopowder. Journal of Hazardous Materials, 2007, 143, 95-101.	12.4	214
4	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
5	Electro-Fenton treatment of dye solution containing Orange II: Influence of operational parameters. Journal of Electroanalytical Chemistry, 2008, 615, 165-174.	3.8	175
6	Effect of UV-LED wavelengths on direct photolytic and TiO2 photocatalytic degradation of emerging contaminants in water. Chemical Engineering Journal, 2016, 300, 414-422.	12.7	154
7	The photooxidative destruction of C.I. Basic Yellow 2 using UV/S2O82â˜ process in a rectangular continuous photoreactor. Journal of Hazardous Materials, 2009, 166, 61-66.	12.4	132
8	Homogeneous and heterogeneous AOPs for rapid degradation of Triton X-100 in aqueous media via UV light, nano titania hydrogen peroxide and potassium persulfate. Chemical Engineering Journal, 2011, 167, 172-182.	12.7	112
9	Immobilization of TiO2Nanopowder 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
10	Decomposition of organic chemicals by zeolite-TiO 2 nanocomposite supported onto low density polyethylene film under UV-LED powered by solar radiation. Applied Catalysis B: Environmental, 2016, 183, 407-416.	20.2	68
11	Modified Fe3O4- hydroxyapatite nanocomposites as heterogeneous catalysts in three UV, Vis and Fenton like degradation systems. Applied Surface Science, 2014, 319, 358-366.	6.1	66
12	Investigation of antifouling performance a novel nanofibrous S-PVDF/PVDF and S-PVDF/PVDF/GO membranes against negatively charged oily foulants. Journal of Membrane Science, 2017, 536, 86-97.	8.2	66
13	Microwave absorption properties of polyaniline-Fe3O4/ZnO-polyester nanocomposite: Preparation and optimization. Applied Surface Science, 2016, 366, 210-218.	6.1	55
14	Dielectric breakdown strength of magnetic nanofluid based on insulation oil after impulse test. Journal of Magnetism and Magnetic Materials, 2016, 399, 1-4.	2.3	53
15	Degradation of organophosphorus pesticide diazinon using activated persulfate: Optimization of operational parameters and comparative study by Taguchi's method. Journal of the Taiwan Institute of Chemical Engineers, 2015, 57, 77-90.	5.3	52
16	Starch-based polyurethane/CuO nanocomposite foam: Antibacterial effects for infection control. International Journal of Biological Macromolecules, 2018, 111, 1076-1082.	7.5	47
17	Impact of harvesting on constructed wetlands performanceâ€"a comparison between Scirpus grossus and Typha angustifolia. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 664-671.	1.7	44
18	Visible-light photocatalytic activity of chitosan/polyaniline/CdS nanocomposite: Kinetic studies and artificial neural network modeling. Applied Catalysis A: General, 2016, 514, 60-70.	4.3	39

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19	Microwave absorption properties of polypyrrole-SrFe12O19-TiO2-epoxy resin nanocomposites: Optimization using response surface methodology. Applied Surface Science, 2016, 383, 9-18.	6.1	38
20	Kinetic study for photocatalytic degradation of Direct Red 23 in UVâ€“LED/nano-TiO2/S2O82â˙ process: Dependence of degradation kinetic on operational parameters. Journal of Industrial and Engineering Chemistry, 2014, 20, 3695-3702.	5.8	36
21	Chitosan/polyaniline/MWCNT nanocomposite fibers as an electrode material for electrical double layer capacitors. International Journal of Hydrogen Energy, 2014, 39, 9350-9355.	7.1	33
22	The role of carbon nanotube in zinc stannate photocatalytic performance improvement: Experimental and kinetic evidences. Applied Catalysis B: Environmental, 2017, 205, 559-568.	20.2	33
23	Performance of the light-emitting-diodes in a continuous photoreactor for degradation of Direct Red 23 using UV-LED/S2O82â˙ process. Journal of Industrial and Engineering Chemistry, 2015, 24, 121-126.	5.8	31
24	Enhanced sonocatalytic performance of ZnTi nano-layered double hydroxide by substitution of Cu (II) cations. Ultrasonics Sonochemistry, 2019, 58, 104632.	8.2	31
25	Interaction between deferiprone and human serum albumin: Multi-spectroscopic, electrochemical and molecular docking methods. European Journal of Pharmaceutical Sciences, 2014, 64, 9-17.	4.0	29
26	Photocatalytic activity of cation (Mn) and anion (N) substitution in LaCoO3 nanoperovskite under visible light. Rare Metals, 2020, 39, 139-146.	7.1	28
27	Electrochemical and photo-assisted electrochemical treatment of the pesticide imidacloprid in aqueous solution by the Fenton process: effect of operational parameters. Research on Chemical Intermediates, 2016, 42, 855-868.	2.7	27
28	Removal of tylosin from aqueous solution by UV/nano Ag/S2O 8 2â˙ process : Influence of operational parameters and kinetic study. Korean Journal of Chemical Engineering, 2014, 31, 1577-1581.	2.7	26
29	Photocatalytic activity of g-C 3 N 4 : An empirical kinetic model, optimization by neuro-genetic approach and identification of intermediates. Chemical Engineering Research and Design, 2017, 127, 113-125.	5.6	25
30	The role of g-C3N4 as nanofiller in improvement of mechanical, thermal, and X-band wave absorption properties of epoxy vinyl ester coating. Progress in Organic Coatings, 2018, 125, 472-480.	3.9	24
31	Adsorption and photocatalytic degradation of organic dyes onto crystalline and amorphous hydroxyapatite: Optimization, kinetic and isotherm studies. Korean Journal of Chemical Engineering, 2016, 33, 481-489.	2.7	23
32	Enhanced microwave absorption property of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif"		

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37	Adsorption of cefixime from aqueous solutions using modified hardened paste of Portland cement by perlite; optimization by Taguchi method. Water Science and Technology, 2016, 74, 1069-1078.	2.5	20
38	Photoâ€assisted heteroâ€Fenton decolorization of azo dye from contaminated water by Feâ€“Si mixed oxide nanocomposite. Environmental Technology (United Kingdom), 2011, 32, 1627-1635.	2.2	18
39	Combination of perovskite and magnetic inverse spinel structures to improve microwave absorption properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 225, 75-85.	3.5	18
40	Photocatalytic activity of zinc stannate: Preparation and modeling. Journal of the Taiwan Institute of Chemical Engineers, 2016, 58, 324-332.	5.3	17
41	Photocatalytic degradation of tylosin via ultraviolet-activated persulfate in aqueous solution. International Journal of Industrial Chemistry, 2012, 3, 16.	3.1	15
42	The role of prepared ZnO nanoparticles on improvement of mechanical and antibacterial properties of flexible polyurethane foams: experimental modeling. Polymer Bulletin, 2018, 75, 1519-1533.	3.3	15
43	Improvement of microwave absorption properties of polyester coatings using NiFe2O4, X-doped g-C3N4 (Xâ€‰=â€‰S, P, and O), and MTiO3 (Mâ€‰=â€‰Fe, Mg, and Zn) nanofillers. Scientific Reports, 2021, 11, 19339.	3.3	15
44	Removal of C.I. Basic Yellow 2 from aqueous solution by lowâ€cost adsorbent: hardened paste of Portland cement. Environmental Technology (United Kingdom), 2010, 31, 277-284.	2.2	14
45	Synthesis of a green bigel using cottonseed oil/cannabis oil/alginate/ferula gum for quercetin release: Synergistic effects for treating infertility in rats. International Journal of Biological Macromolecules, 2021, 177, 157-165.	7.5	14
46	The main role of CuO loading against electron-hole recombination of SrTiO3: Improvement and investigation of photocatalytic activity, modeling and optimization by response surface methodology. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 404, 112886.	3.9	13
47	Polyurethane foam-cadmium sulfide nanocomposite with open cell structure: Dye removal and antibacterial applications. Korean Journal of Chemical Engineering, 2017, 34, 547-554.	2.7	12
48	The photo-oxidative destruction of C.I. Basic Yellow 2 using UV/S2O8 2â" process in an annular photoreactor. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 657-663.	1.7	11
49	Influence of structure on release profile of acyclovir loaded polyurethane nanofibers: Monolithic and core/shell structures. Journal of Applied Polymer Science, 2016, 133, .	2.6	11
50	Synergistic decomposition of imidacloprid by TiO2-Fe3O4 nanocomposite conjugated with persulfate in a photovoltaic-powered UV-LED photoreactor. Korean Journal of Chemical Engineering, 2019, 36, 965-974.	2.7	11
51	Photocatalytic degradation of acid red 14 from contaminated water using immobilized TiO₂nanoparticles on glass beads activated by UV/peroxydisulfate. Desalination and Water Treatment, 2014, 52, 5479-5484.	1.0	10
52	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. European Journal of Pharmaceutical Sciences, 2022, 174, 106191.	4.0	10
53	Visible light photocatalytic activity of chitosan/poly(vinyl alcohol)/TiO₂ nanocomposite for dye removal: taguchiâ€based optimization. Environmental Progress and Sustainable Energy, 2017, 36, 66-72.	2.3	8
54	Thin-film nanofiltration membrane with monomers of 1,2,4,5-benzene tetracarbonyl chloride and ethylene diamine on electrospun support: preparation, morphology and chlorine resistance properties. Polymer Bulletin, 2018, 75, 3407-3425.	3.3	8

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55	High performance microwave shielding in green nanocomposite coating based on polyurethane via nickel oxide, MnxFe3-xO4 and polyaniline nanoparticles. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 262, 114728.	3.5	8
56	Tris(hydroxymethyl)aminomethane-grafted polyamine nanofiltration membrane: enhanced antifouling and pH resistant properties. New Journal of Chemistry, 2020, 44, 6321-6330.	2.8	8
57	Enhanced microwave absorption property of Fe3O4/CaCu3â˜xMgxTi4â˜ySnyO12(0â‰ x, y â‰1)/graphene oxide nanocomposites in epoxy vinyl ester resin. Journal of Materials Science: Materials in Electronics, 2017, 28, 12535-12544.	2.2	7
58	Photocatalytic of Congo Red Decolorization in the Presence of Ag/AgCl/TiO2 Nanocomposite: Optimization of Process with Taguchi Method. Arabian Journal for Science and Engineering, 2021, 46, 5619-5632.	3.0	7
59	Predicting of acid red 14 removals from synthetic wastewater in the advanced oxidation process using artificial neural networks and fuzzy regression. Rendiconti Lincei, 2022, 33, 115-126.	2.2	7
60	Photocatalytic discoloration of an azo-dye using LaMn0.5Ti0.5O3 double perovskite under visible light irradiation and enhancement of photocatalytic activity by using graphene. Reaction Kinetics, Mechanisms and Catalysis, 2019, 128, 539-554.	1.7	6
61	Immobilization of Fe3O4/TiO2 nanocomposite thin layer on the glass tubes in a component parabolic collector for the treatment of DR23. International Journal of Environmental Science and Technology, 2019, 16, 7509-7522.	3.5	6
62	Synthesis and evaluation of the efficiency of antibacterial hydrogel beads based on the sodium alginateâ€“ferula gum for delayed release of quercetin. Polymer Bulletin, 2021, 78, 3667-3685.	3.3	6
63	Investigation of the oxidative decolorization of Acid Red 14 by peroxydisulfate with thermally activated and Ag(I) catalysis. Desalination and Water Treatment, 2011, 28, 115-119.	1.0	5
64	The role of carbon-based nanosheets in enhancement of photocatalytic activity of Ag10Si4O13. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 394, 112486.	3.9	5
65	ZnS/ZnNiAl-LDH/GO nanocomposite as a visible-light photocatalyst: preparation, characterization and modeling. Journal of Materials Science: Materials in Electronics, 2019, 30, 12152-12162.	2.2	4
66	Application of whey protein-alginate particles coated by black seed oil as a biocompatible carrier of quercetin at treating non-alcoholic fatty liver disease. Journal of Functional Foods, 2021, 86, 104728.	3.4	4
67	Facile preparation of an enhanced microwave absorbing based on polyester composite containing Ca3Al2Si3O12, polyaniline, and spinel ferrite (Cu, Mg, and Ni) nanoparticles. Materials Chemistry and Physics, 2020, 255, 123529.	4.0	3
68	Synthesis of Ag/AgCl/TiO2 nanocomposite and study of photocatalytic activity in VOCs removal from gas phase. International Journal of Environmental Analytical Chemistry, 2020, , 1-17.	3.3	3
69	A novel and safe pharmaceutical effluent disposal protocol by glass-based Ag0 nanocomposite/oxidant degradation process and Ascorbic acid cooperation. Journal of Environmental Chemical Engineering, 2021, 9, 105218.	6.7	3
70	Solar photocatalytic oxidation of an azo dye with immobilised TiO2/ S2O82- in a component parabolic collector-reactor. , 0, 81, 223-232.		3
71	Synthesis of modificated lanthanide nanoperovskites for photocatalytic removal of azo dyes under visible light irradiation. International Journal of Environmental Analytical Chemistry, 2022, 102, 6485-6501.	3.3	2
72	Continuous removal of Basic Red 46 from aqueous solutions using modified Portland cement in column study. International Journal of Environmental Science and Technology, 2021, 18, 647-658.	3.5	2

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73	A solar-driven CPC photoreactor for decomposition of emerging contaminants in wastewater: Modeling and optimization. Chemical Engineering Research and Design, 2022, 182, 580-591.	5.6	2
74	The role of MnO₂/polyaniline/Y-type barium hexaferrite (Al₂Y,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (M absorption properties of polyester coatings. New Journal of Chemistry, 2021, 45, 3252-3262.	2.8	1
75	Dye Contaminants Removal via the Photocatalytic Activity of Metal Oxides-Supported Ag and AgCl Under Visible Light Irradiation. Environmental Engineering Science, 2021, 38, 955-964.	1.6	1
76	Synthesis and visible-light photocatalytic activity of nanoperovskites and exploration of silver decoration to enhance photocatalytic efficiency. , 0, 194, 194-202.		1
77	Evaluation of the Effectiveness of Process in Removal Trace Anthraquinone C. I. Acid Blue 25 from Wastewater. Chemical Engineering Communications, 2015, 202, 467-474.	2.6	0
78	Kinetic study on degradation of tylosin in aqueous media using potassium peroxydisulfate in the presence of immobilized nanosilver. Desalination and Water Treatment, 2016, 57, 3552-3558.	1.0	0