

Behzad Shahmoradi

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,473
citations

159358

30
h-index

233125

45
g-index

84
all docs

84
docs citations

84
times ranked

3246
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial analysis of population density and its effects during the Covid-19 pandemic in Sanandaj, Iran. <i>Journal of Asian Architecture and Building Engineering</i> , 2023, 22, 635-642.	1.2	11
2	Photocatalytic removal of 2,4-Dichlorophenoxyacetic acid from aqueous solution using tungsten oxide doped zinc oxide nanoparticles immobilised on glass beads. <i>Environmental Technology (United Kingdom)</i> , 2023, 44(10), 1071-1080.	1.9	10
3	Photocatalytic degradation of VOCs from air stream using Mo:TiO ₂ /GAC nanocomposites. <i>Materials Research Express</i> , 2022, 9, 025502.	0.8	3
4	Facile synthesis of Mn ²⁺ /Ce ³⁺ /TiO ₂ composite for CO ₂ hydrogenation into methane and intensifying methane yield in biomethanation. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 189-201.	1.9	2
5	Comprehensive Understanding of Urban Water Supply Management: Towards Sustainable Water-socio-economic-health-environment Nexus. <i>Water Resources Management</i> , 2021, 35, 315-336.	1.9	18
6	Facile synthesis of cooperative mesoporous-assembled CexSr1-xFexTi1-xO3 perovskite catalysts for enhancement beta-lactam antibiotic photodegradation under visible light irradiation. <i>Surfaces and Interfaces</i> , 2021, 23, 101013.	1.5	7
7	Potentiality of polymer nanocomposites for sustainable environmental applications: A review of recent advances. <i>Polymer</i> , 2021, 233, 124184.	1.8	31
8	The photocatalytic removal of diazinon from aqueous solutions using tungsten oxide doped zinc oxide nanoparticles immobilized on glass substrate. <i>Journal of Molecular Liquids</i> , 2020, 297, 111918.	2.3	56
9	Photocatalytic Degradation of 2,4-Dichlorophenoxyacetic Acid in Aqueous Solution Using Mn-doped ZnO/Graphene Nanocomposite Under LED Radiation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 923-934.	1.9	39
10	Synthesis and characterization of nanocomposite ultrafiltration membrane (PSF/PVP/SiO ₂) and performance evaluation for the removal of amoxicillin from aqueous solutions. <i>Environmental Technology and Innovation</i> , 2020, 17, 100529.	3.0	57
11	The nitrate content of fresh and cooked vegetables and their health-related risks. <i>PLoS ONE</i> , 2020, 15, e0227551.	1.1	64
12	Preparation and characterization of cost-effective AC/CeO ₂ nanocomposites for the degradation of selected industrial dyes. <i>Applied Water Science</i> , 2020, 10, 1.	2.8	16
13	Influence of iron mining activity on heavy metal contamination in the sediments of the Aqyazi River, Iran. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 521.	1.3	8
14	Fabrication of a sensitive electrochemical sensor based on Ag nanoparticles and alizarin yellow polymer: Application to the detection of an environmental pollutant thiourea. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1609-1615.	1.2	15
15	Preparation of modified ZnO nanoparticles for photocatalytic degradation of chlorobenzene. <i>Applied Water Science</i> , 2020, 10, 1.	2.8	36
16	Effect of Washing and Cooking on Nitrate Content of Potatoes (cv. Diamant) and Implications for Mitigating Human Health Risk in Iran. <i>Potato Research</i> , 2020, 63, 449-462.	1.2	4
17	Facile synthesis of SnO ₂ 2D nanoflakes for ultrasound-assisted photodegradation of tetracycline hydrochloride. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 2593-2604.	1.8	22
18	Optimization of photocatalytic degradation of methyl orange using immobilized scoria-Ni/TiO ₂ nanoparticles. <i>Journal of Nanostructure in Chemistry</i> , 2020, 10, 143-159.	5.3	41

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19	Synthesis and application of Fe-N-Cr-TiO ₂ nanocatalyst for photocatalytic degradation of Acid Black 1 under LED light irradiation. <i>Journal of Molecular Liquids</i> , 2019, 279, 232-240.	2.3	18
20	Effects of doping zinc oxide nanoparticles with transition metals (Ag, Cu, Mn) on photocatalytic degradation of Direct Blue 15 dye under UV and visible light irradiation. <i>Journal of Environmental Health Science & Engineering</i> , 2019, 17, 479-492.	1.4	65
21	Evaluation of the effect of electrospun nanofibrous membrane on removal of diazinon from aqueous solutions. <i>Reactive and Functional Polymers</i> , 2019, 139, 85-91.	2.0	23
22	Photocatalytic degradation of organic dyes using WO ₃ -doped ZnO nanoparticles fixed on a glass surface in aqueous solution. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 73, 297-305.	2.9	86
23	Application of cadmium-doped ZnO for the solar photocatalytic degradation of phenol. <i>Water Science and Technology</i> , 2019, 79, 375-385.	1.2	15
24	Synthesis of immobilized cerium doped ZnO nanoparticles through the mild hydrothermal approach and their application in the photodegradation of synthetic wastewater. <i>Journal of Molecular Liquids</i> , 2019, 280, 230-237.	2.3	25
25	Land aptitude for horticultural crops and water requirement determination under unsustainable water resources condition. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 11.	1.3	7
26	Concentration, Source, and Potential Human Health Risk of Heavy Metals in the Commonly Consumed Medicinal Plants. <i>Biological Trace Element Research</i> , 2019, 187, 41-50.	1.9	93
27	Porous synthetic hectorite clay-alginate composite beads for effective adsorption of methylene blue dye from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 1315-1324.	3.6	115
28	Optimization of solar degradation efficiency of bio-composting leachate using Nd: ZnO nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 356, 201-211.	2.0	21
29	A novel ANN approach for modeling of alternating pulse current electrocoagulation-flotation (APC-ECF) process: Humic acid removal from aqueous media. <i>Chemical Engineering Research and Design</i> , 2018, 117, 111-124.	2.7	26
30	Impacts of sludge retention time on the performance of an algal-bacterial bioreactor. <i>Chemical Engineering Journal</i> , 2018, 343, 37-43.	6.6	36
31	Predicting vitamin E and C consumption intentions and behaviors among factory workers based on protection motivation theory. <i>Environmental Health and Preventive Medicine</i> , 2018, 23, 51.	1.4	9
32	Adsorptive removal of nickel and lead ions from aqueous solutions by poly (amidoamine) (PAMAM) dendrimers ($\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle$ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	3.0	23
33	Environmental Technology and Innovation, 2018, 12, 261-272. Fabrication of a sensitive electrochemical sensor to environmental pollutant of hydrazine in real water samples based on synergistic catalysis of Ag@C core-shell and polyalizarin yellow R. <i>Journal of Alloys and Compounds</i> , 2018, 763, 997-1004.	2.8	19
34	Isolation and identification of indigenous prokaryotic bacteria from arsenic-contaminated water resources and their impact on arsenic transformation. <i>Ecotoxicology and Environmental Safety</i> , 2017, 140, 170-176.	2.9	37
35	Photocatalytic degradation of Aniline from aqueous solutions under sunlight illumination using immobilized Cr:ZnO nanoparticles. <i>Scientific Reports</i> , 2017, 7, 1473.	1.6	68
36	Density assessment and mapping of microorganisms around a biocomposting plant in Sanandaj, Iran. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 233.	1.3	6

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37	Application of micellar enhanced ultrafiltration (MEUF) for arsenic (v) removal from aqueous solutions and process optimization. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 1588-1593.	1.3	21
38	Decontamination of arsenic(V)-contained liquid phase utilizing Fe ₃ O ₄ /bone char nanocomposite encapsulated in chitosan biopolymer. <i>Environmental Science and Pollution Research</i> , 2017, 24, 15157-15166.	2.7	26
39	Evaluation of trace element concentration in cancerous and non-cancerous tissues of human stomach. <i>Chemosphere</i> , 2017, 184, 747-752.	4.2	31
40	Response surface methodology (RSM) optimization approach for degradation of Direct Blue 71 dye using CuO@ZnO nanocomposite. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 2067-2076.	1.8	48
41	Histopathological effects of copper oxide nanoparticles on the gill and intestine of common carp (<i>Cyprinus carpio</i>) in the presence of titanium dioxide nanoparticles. <i>Chemistry and Ecology</i> , 2017, 33, 295-308.	0.6	29
42	Sonophotocatalytic degradation of diazinon in aqueous solution using iron-doped TiO ₂ nanoparticles. <i>Separation and Purification Technology</i> , 2017, 189, 186-192.	3.9	94
43	Prevalence of Intestinal Protozoa Infections and Associated Risk Factors among Schoolchildren in Sanandaj City, Iran. <i>Iranian Journal of Parasitology</i> , 2017, 12, 108-116.	0.6	10
44	Fabrication, Characterization and Applications of Metal Oxide-Doped ZnO Hybrid Nanomaterials. <i>Sustainable Agriculture Reviews</i> , 2016, , 1-29.	0.6	0
45	Copper Bioaccumulation and Depuration in Common Carp (<i>Cyprinus carpio</i>) Following Co-exposure to TiO ₂ and CuO Nanoparticles. <i>Archives of Environmental Contamination and Toxicology</i> , 2016, 71, 541-552.	2.1	33
46	Histopathological effects following short-term coexposure of <i>Cyprinus carpio</i> to nanoparticles of TiO ₂ and CuO. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 575.	1.3	36
47	Photocatalytic degradation of humic substances in the presence of ZnO nanoparticles immobilized on glass plates under ultraviolet irradiation. <i>Separation Science and Technology</i> , 2016, 51, 2484-2489.	1.3	23
48	Photocatalytic treatment of oil and grease spills in wastewater using coated N-doped TiO ₂ polyscales under sunlight as an alternative driving energy. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 2293-2302.	1.8	33
49	Adsorption of organic dyes using copper oxide nanoparticles: isotherm and kinetic studies. <i>Desalination and Water Treatment</i> , 2016, 57, 25278-25287.	1.0	49
50	Optimization of reactive black 5 degradation using hydrothermally synthesized NiO/TiO ₂ nanocomposite under natural sunlight irradiation. <i>Desalination and Water Treatment</i> , 2016, 57, 25256-25266.	1.0	21
51	Cu-doped ZnO nanoparticle for removal of reactive black 5: application of artificial neural networks and multiple linear regression for modeling and optimization. <i>Desalination and Water Treatment</i> , 2016, 57, 22074-22080.	1.0	18
52	Cobalt ferrite nanoparticles: Preparation, characterization and anionic dye removal capability. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 59, 320-329.	2.7	78
53	Solar degradation of malachite green using nickel-doped TiO ₂ nanocatalysts. <i>Desalination and Water Treatment</i> , 2016, 57, 9881-9888.	1.0	28
54	Visual Display Terminal use in Iranian bank tellers: Effects on job stress and insomnia. <i>Work</i> , 2015, 52, 657-662.	0.6	14

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55	Photocatalytic degradation of humic substances in aqueous solution using Cu-doped ZnO nanoparticles under natural sunlight irradiation. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16875-16880.	2.7	38
56	Removal of Disperse Orange 25 using <i>in situ</i> surface-modified iron-doped TiO ₂ nanoparticles. <i>Desalination and Water Treatment</i> , 2015, 53, 3615-3622.	1.0	31
57	Evaluation of the Affordability Level of State-Sector Housing Built in Iran: Case Study of the Maskan-e-Mehr Project in Zanjan City. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2015, 141, .	0.8	3
58	Municipal Solid Waste Management in Mahabad Town, Iran. <i>Journal of Environmental Science and Technology</i> , 2015, 8, 216-224.	0.3	6
59	Bioassay Testing the Toxicity of Nano-Structure Polymer (PAMAM G2) as Coagulant Aid in Water Treatment. <i>Research Journal of Environmental Toxicology</i> , 2015, 9, 261-267.	1.0	2
60	Analysis of Ecological Footprint at Educational Institute Scale (A Case of an Iranian High School). <i>Advances in Research</i> , 2015, 4, 114-121.	0.3	0
61	Determination of the Concentration and Composition of PM10 during the Middle Eastern Dust Storms in Sanandaj, Iran. <i>Journal of Research in Health Sciences</i> , 2015, 15, 182-8.	0.9	5
62	Electrocoagulation efficiency and energy consumption probing by artificial intelligent approaches. <i>Desalination and Water Treatment</i> , 2014, 52, 2400-2411.	1.0	18
63	Testing the housing and transportation affordability index in a developing world context: A sustainability comparison of central and suburban districts in Qom, Iran. <i>Transport Policy</i> , 2014, 33, 33-39.	3.4	47
64	Assessment and Risk Management of Potential Hazards by Failure Modes and Effect Analysis (FMEA) Method in Yazd Steel Complex. <i>Open Journal of Safety Science and Technology</i> , 2014, 04, 127-135.	0.1	9
65	Landfill site selection using integrated fuzzy logic and analytic network process (F-ANP). <i>Environmental Earth Sciences</i> , 2013, 68, 1745-1755.	1.3	95
66	Elimination of arsenic contamination from water using chemically modified wheat straw. <i>Desalination and Water Treatment</i> , 2013, 51, 2306-2316.	1.0	62
67	Hydrothermal Synthesis of Surface-Modified, Manganese-Doped TiO ₂ Nanoparticles for Photodegradation of Methylene Blue. <i>Environmental Engineering Science</i> , 2012, 29, 1032-1037.	0.8	38
68	Solar degradation of Direct Blue 71 using surface modified iron doped ZnO hybrid nanomaterials. <i>Water Science and Technology</i> , 2012, 65, 1923-1928.	1.2	36
69	Photocatalytic degradation of Amaranth and Brilliant Blue FCF dyes using <i>in situ</i> modified tungsten doped TiO ₂ hybrid nanoparticles. <i>Catalysis Science and Technology</i> , 2011, 1, 1216.	2.1	50
70	Enhancement of the photocatalytic activity of modified ZnO nanoparticles with manganese additive. <i>Research on Chemical Intermediates</i> , 2011, 37, 329-340.	1.3	30
71	Simultaneous nitrification–denitrification and phosphorus removal in a fixed bed sequencing batch reactor (FBSBR). <i>Journal of Hazardous Materials</i> , 2011, 185, 852-857.	6.5	120
72	<i>In situ</i> surface modification of molybdenum–doped organic–inorganic hybrid TiO ₂ nanoparticles under hydrothermal conditions and treatment of pharmaceutical effluent. <i>Environmental Technology (United Kingdom)</i> , 2010, 31, 1213-1220.	1.2	26

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73	Photocatalytic degradation of textile effluent using hydrothermally synthesised titania supported molybdenum oxide photocatalyst. <i>Materials Research Innovations</i> , 2010, 14, 89-94.	1.0	13
74	Photocatalytic treatment of municipal wastewater using modified neodymium doped TiO ₂ hybrid nanoparticles. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 1248-1255.	0.9	24
75	Modification of neodymium-doped ZnO hybrid nanoparticles under mild hydrothermal conditions. <i>Nanoscale</i> , 2010, 2, 1160.	2.8	45
76	Synthesis of halogenated nanodendrimer as novel antimicrobial agents in water treatment. , 0, 64, 101-108.		2
77	Photocatalytic performance of chromium-doped TiO ₂ nanoparticles for degradation of Reactive Black 5 under natural sunlight illumination. , 0, 67, 324-331.		8
78	Synthesis and characterization of barium-doped TiO ₂ nanocrystals for photocatalytic degradation of Acid Red 18 under solar irradiation. , 0, 88, 200-206.		14
79	A comparison study of granular activated carbon modification by FeCl ₃ under acidic and basic condition for arsenic removal from water. , 0, 137, 134-142.		2
80	Immobilized Mo:TiO ₂ nanoparticles for humic acid removal in an aqueous medium using solar spectrum. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , .	1.1	2