Behzad Shahmoradi

List of Publications by Year
in descending order

80 papers	2,473 citations	159525 30 h-index	233338 45 g-index
84 all docs	84 docs citations	84 times ranked	3246 citing authors

#	Article	IF	Citations
1	Simultaneous nitrificationâ€“denitrification and phosphorus removal in a fixed bed sequencing batch reactor (FBSBR). Journal of Hazardous Materials, 2011, 185, 852-857.	6.5	120
2	Porous synthetic hectorite clay-alginate composite beads for effective adsorption of methylene blue dye from aqueous solution. International Journal of Biological Macromolecules, 2018, 114, 1315-1324.	3.6	115
3	Landfill site selection using integrated fuzzy logic and analytic network process (F-ANP). Environmental Earth Sciences, 2013, 68, 1745-1755.	1.3	95
4	Sonophotocatalytic degradation of diazinon in aqueous solution using iron-doped TiO2 nanoparticles. Separation and Purification Technology, 2017, 189, 186-192.	3.9	94
5	Concentration, Source, and Potential Human Health Risk of Heavy Metals in the Commonly Consumed Medicinal Plants. Biological Trace Element Research, 2019, 187, 41-50.	1.9	93
6	Photocatalytic degradation of organic dyes using WO3-doped ZnO nanoparticles fixed on a glass surface in aqueous solution. Journal of Industrial and Engineering Chemistry, 2019, 73, 297-305.	2.9	86
7	Cobalt ferrite nanoparticles: Preparation, characterization and anionic dye removal capability. Journal of the Taiwan Institute of Chemical Engineers, 2016, 59, 320-329.	2.7	78
8	Photocatalytic degradation of Aniline from aqueous solutions under sunlight illumination using immobilized Cr:ZnO nanoparticles. Scientific Reports, 2017, 7, 1473.	1.6	68
9	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. Journal of Environmental Health Science & Engineering, 2019, 17, 479-492.	1.4	65
10	The nitrate content of fresh and cooked vegetables and their health-related risks. PLoS ONE, 2020, 15, e0227551.	1.1	64
11	Elimination of arsenic contamination from water using chemically modified wheat straw. Desalination and Water Treatment, 2013, 51, 2306-2316.	1.0	62
12	Synthesis and characterization of nanocomposite ultrafiltration membrane (PSF/PVP/SiO2) and performance evaluation for the removal of amoxicillin from aqueous solutions. Environmental Technology and Innovation, 2020, 17, 100529.	3.0	57
13	The photocatalytic removal of diazinon from aqueous solutions using tungsten oxide doped zinc oxide nanoparticles immobilized on glass substrate. Journal of Molecular Liquids, 2020, 297, 111918.	2.3	56
14	Photocatalytic degradation of Amaranth and Brilliant Blue FCF dyes using in situ modified tungsten doped TiO2 hybrid nanoparticles. Catalysis Science and Technology, 2011, 1, 1216.	2.1	50
15	Adsorption of organic dyes using copper oxide nanoparticles: isotherm and kinetic studies. Desalination and Water Treatment, 2016, 57, 25278-25287.	1.0	49
16	Response surface methodology (RSM) optimization approach for degradation of Direct Blue 71 dye using CuOâ€“ZnO nanocomposite. International Journal of Environmental Science and Technology, 2017, 14, 2067-2076.	1.8	48
17	Testing the housing and transportation affordability index in a developing world context: A sustainability comparison of central and suburban districts in Qom, Iran. Transport Policy, 2014, 33, 33-39.	3.4	47
18	Modification of neodymium-doped ZnO hybrid nanoparticles under mild hydrothermal conditions. Nanoscale, 2010, 2, 1160.	2.8	45

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19	Optimization of photocatalytic degradation of methyl orange using immobilized scoria-Ni/TiO2 nanoparticles. Journal of Nanostructure in Chemistry, 2020, 10, 143-159.	5.3	41
20	Photocatalytic Degradation of 2,4-Dichlorophenoxyacetic Acid in Aqueous Solution Using Mn-doped ZnO/Graphene Nanocomposite Under LED Radiation. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 923-934.	1.9	39
21	Hydrothermal Synthesis of Surface-Modified, Manganese-Doped TiO₂ Nanoparticles for Photodegradation of Methylene Blue. Environmental Engineering Science, 2012, 29, 1032-1037.	0.8	38
22	Photocatalytic degradation of humic substances in aqueous solution using Cu-doped ZnO nanoparticles under natural sunlight irradiation. Environmental Science and Pollution Research, 2015, 22, 16875-16880.	2.7	38
23	Isolation and identification of indigenous prokaryotic bacteria from arsenic-contaminated water resources and their impact on arsenic transformation. Ecotoxicology and Environmental Safety, 2017, 140, 170-176.	2.9	37
24	Solar degradation of Direct Blue 71 using surface modified iron doped ZnO hybrid nanomaterials. Water Science and Technology, 2012, 65, 1923-1928.	1.2	36
25	Histopathological effects following short-term coexposure of Cyprinus carpio to nanoparticles of TiO2 and CuO. Environmental Monitoring and Assessment, 2016, 188, 575.	1.3	36
26	Impacts of sludge retention time on the performance of an algal-bacterial bioreactor. Chemical Engineering Journal, 2018, 343, 37-43.	6.6	36
27	Preparation of modified ZnO nanoparticles for photocatalytic degradation of chlorobenzene. Applied Water Science, 2020, 10, 1.	2.8	36
28	Copper Bioaccumulation and Depuration in Common Carp (Cyprinus carpio) Following Co-exposure to TiO2 and CuO Nanoparticles. Archives of Environmental Contamination and Toxicology, 2016, 71, 541-552.	2.1	33
29	Photocatalytic treatment of oil and grease spills in wastewater using coated N-doped TiO2 polyscales under sunlight as an alternative driving energy. International Journal of Environmental Science and Technology, 2016, 13, 2293-2302.	1.8	33
30	Removal of Disperse Orange 25 usingin situsurface-modified iron-doped TiO₂nanoparticles. Desalination and Water Treatment, 2015, 53, 3615-3622.	1.0	31
31	Evaluation of trace element concentration in cancerous and non-cancerous tissues of human stomach. Chemosphere, 2017, 184, 747-752.	4.2	31
32	Potentiality of polymer nanocomposites for sustainable environmental applications: A review of recent advances. Polymer, 2021, 233, 124184.	1.8	31
33	Enhancement of the photocatalytic activity of modified ZnO nanoparticles with manganese additive. Research on Chemical Intermediates, 2011, 37, 329-340.	1.3	30
34	Histopathological effects of copper oxide nanoparticles on the gill and intestine of common carp (Cyprinus carpio) in the presence of titanium dioxide nanoparticles. Chemistry and Ecology, 2017, 33, 295-308.	0.6	29
35	Solar degradation of malachite green using nickel-doped TiO2nanocatalysts. Desalination and Water Treatment, 2016, 57, 9881-9888.	1.0	28
36	In situsurface modification of molybdenumâ€doped organicâ€“inorganic hybrid TiO₂nanoparticles under hydrothermal conditions and treatment of pharmaceutical effluent. Environmental Technology (United Kingdom), 2010, 31, 1213-1220.	1.2	26

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37	Decontamination of arsenic(V)-contained liquid phase utilizing Fe3O4/bone char nanocomposite encapsulated in chitosan biopolymer. Environmental Science and Pollution Research, 2017, 24, 15157-15166.	2.7	26
38	A novel ANN approach for modeling of alternating pulse current electrocoagulation-flotation (APC-ECF) process: Humic acid removal from aqueous media. Chemical Engineering Research and Design, 2018, 117, 111-124.	2.7	26
39	Synthesis of immobilized cerium doped ZnO nanoparticles through the mild hydrothermal approach and their application in the photodegradation of synthetic wastewater. Journal of Molecular Liquids, 2019, 280, 230-237.	2.3	25
40	Photocatalytic treatment of municipal wastewater using modified neodymium doped TiO₂hybrid nanoparticles. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2010, 45, 1248-1255.	0.9	24
41	Photocatalytic degradation of humic substances in the presence of ZnO nanoparticles immobilized on glass plates under ultraviolet irradiation. Separation Science and Technology, 2016, 51, 2484-2489.	1.3	23
42	Adsorptive removal of nickel and lead ions from aqueous solutions by poly (amidoamine) (PAMAM) dendrimers (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 Environmental Technology and Innovation, 2018, 12, 261-272.	3.0	23
43	Evaluation of the effect of electrospun nanofibrous membrane on removal of diazinon from aqueous solutions. Reactive and Functional Polymers, 2019, 139, 85-91.	2.0	23
44	Facile synthesis of SnO2 2D nanoflakes for ultrasound-assisted photodegradation of tetracycline hydrochloride. International Journal of Environmental Science and Technology, 2020, 17, 2593-2604.	1.8	22
45	Optimization of reactive black 5 degradation using hydrothermally synthesized NiO/TiO₂nanocomposite under natural sunlight irradiation. Desalination and Water Treatment, 2016, 57, 25256-25266.	1.0	21
46	Application of micellar enhanced ultrafiltration (MEUF) for arsenic (v) removal from aqueous solutions and process optimization. Journal of Dispersion Science and Technology, 2017, 38, 1588-1593.	1.3	21
47	Optimization of solar degradation efficiency of bio-composting leachate using Nd: ZnO nanoparticles. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 356, 201-211.	2.0	21
48	Fabrication of a sensitive electrochemical sensor to environmental pollutant of hydrazine in real water samples based on synergistic catalysis of Ag@C coreâ€“shell and polyalizarin yellow R. Journal of Alloys and Compounds, 2018, 763, 997-1004.	2.8	19
49	Electrocoagulation efficiency and energy consumption probing by artificial intelligent approaches. Desalination and Water Treatment, 2014, 52, 2400-2411.	1.0	18
50	Cu-doped ZnO nanoparticle for removal of reactive black 5: application of artificial neural networks and multiple linear regression for modeling and optimization. Desalination and Water Treatment, 2016, 57, 22074-22080.	1.0	18
51	Synthesis and application of Fe-N-Cr-TiO2 nanocatalyst for photocatalytic degradation of Acid Black 1 under LED light irradiation. Journal of Molecular Liquids, 2019, 279, 232-240.	2.3	18
52	Photocatalytic removal of 2,4-Dichlorophenoxyacetic acid from aqueous solution using tungsten oxide doped zinc oxide nanoparticles immobilised on glass beads. Environmental Technology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	18
53	Comprehensive Understanding of Urban Water Supply Management: Towards Sustainable Water-socio-economic-health-environment Nexus. Water Resources Management, 2021, 35, 315-336.	1.9	18
54	Preparation and characterization of cost-effective AC/CeO2 nanocomposites for the degradation of selected industrial dyes. Applied Water Science, 2020, 10, 1.	2.8	16

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55	Application of cadmium-doped ZnO for the solar photocatalytic degradation of phenol. Water Science and Technology, 2019, 79, 375-385.	1.2	15
56	Fabrication of a sensitive electrochemical sensor based on Ag nanoparticles and alizarin yellow polymer: Application to the detection of an environmental pollutant thiourea. Korean Journal of Chemical Engineering, 2020, 37, 1609-1615.	1.2	15
57	Visual Display Terminal use in Iranian bank tellers: Effects on job stress and insomnia. Work, 2015, 52, 657-662.	0.6	14
58	Synthesis and characterization of barium-doped TiO2 nanocrystals for photocatalytic degradation of Acid Red 18 under solar irradiation. , 0, 88, 200-206.		14
59	Photocatalytic degradation of textile effluent using hydrothermally synthesised titania supported molybdenum oxide photocatalyst. Materials Research Innovations, 2010, 14, 89-94.	1.0	13
60	Spatial analysis of population density and its effects during the Covid-19 pandemic in Sanandaj, Iran. Journal of Asian Architecture and Building Engineering, 2023, 22, 635-642.	1.2	11
61	Prevalence of Intestinal Protozoa Infections and Associated Risk Factors among Schoolchildren in Sanandaj City, Iran. Iranian Journal of Parasitology, 2017, 12, 108-116.	0.6	10
62	Predicting vitamin E and C consumption intentions and behaviors among factory workers based on protection motivation theory. Environmental Health and Preventive Medicine, 2018, 23, 51.	1.4	9
63	Assessment and Risk Management of Potential Hazards by Failure Modes and Effect Analysis (FMEA) Method in Yazd Steel Complex. Open Journal of Safety Science and Technology, 2014, 04, 127-135.	0.1	9
64	Influence of iron mining activity on heavy metal contamination in the sediments of the Aqyazi River, Iran. Environmental Monitoring and Assessment, 2020, 192, 521.	1.3	8
65	Photocatalytic performance of chromium-doped TiO2 nanoparticles for degradation of Reactive Black 5 under natural sunlight illumination. , 0, 67, 324-331.		8
66	Land aptitude for horticultural crops and water requirement determination under unsustainable water resources condition. Environmental Monitoring and Assessment, 2019, 191, 11.	1.3	7
67	Facile synthesis of cooperative mesoporous-assembled CexSr1-xFexTi1-xO3 perovskite catalysts for enhancement beta-lactam antibiotic photodegradation under visible light irradiation. Surfaces and Interfaces, 2021, 23, 101013.	1.5	7
68	Density assessment and mapping of microorganisms around a biocomposting plant in Sanandaj, Iran. Environmental Monitoring and Assessment, 2017, 189, 233.	1.3	6
69	Municipal Solid Waste Management in Mahabad Town, Iran. Journal of Environmental Science and Technology, 2015, 8, 216-224.	0.3	6
70	Determination of the Concentration and Composition of PM10 during the Middle Eastern Dust Storms in Sanandaj, Iran. Journal of Research in Health Sciences, 2015, 15, 182-8.	0.9	5
71	Effect of Washing and Cooking on Nitrate Content of Potatoes (cv. Diamant) and Implications for Mitigating Human Health Risk in Iran. Potato Research, 2020, 63, 449-462.	1.2	4
72	Evaluation of the Affordability Level of State-Sector Housing Built in Iran: Case Study of the Maskan-e-Mehr Project in Zanjan City. Journal of the Urban Planning and Development Division, ASCE, 2015, 141, .	0.8	3

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73	Photocatalytic degradation of VOCs from air stream using Mo:TiO₂/GAC nanocomposites. Materials Research Express, 2022, 9, 025502.	0.8	3
74	Facile synthesis of Mnâ€Ce / Nâ€TiO 2 composite for CO 2 hydrogenation into methane and intensifying methane yield in biomethanation. Biofuels, Bioproducts and Biorefining, 2021, 15, 189-201.	1.9	2
75	Bioassay Testing the Toxicity of Nano-Structure Polymer (PAMAM G2) as Coagulant Aid in Water Treatment. Research Journal of Environmental Toxicology, 2015, 9, 261-267.	1.0	2
76	Synthesis of halogenated nanodendrimer as novel antimicrobial agents in water treatment. , 0, 64, 101-108.		2
77	A comparison study of granular activated carbon modification by FeCl3 under acidic and basic condition for arsenic removal from water. , 0, 137, 134-142.		2
78	Immobilized Mo:TiO2 nanoparticles for humic acid removal in an aqueous medium using solar spectrum. Journal of Materials Science: Materials in Electronics, 0, , .	1.1	2
79	Fabrication, Characterization and Applications of Metal Oxide-Doped ZnO Hybrid Nanomaterials. Sustainable Agriculture Reviews, 2016, , 1-29.	0.6	0
80	Analysis of Ecological Footprint at Educational Institute Scale (A Case of an Iranian High School). Advances in Research, 2015, 4, 114-121.	0.3	0