Amirreza Talaiekhozani

List of Publications by Year
in descending order

57 papers	2,364 citations	430874 18 h-index	214800 47 g-index
58 all docs	58 docs citations	58 times ranked	2846 citing authors

#	Article	IF	Citations
1	Recent advances in photocatalytic removal of organic and inorganic pollutants in air. Journal of Cleaner Production, 2021, 278, 123895.	9.3	103
2	Evaluation of the available strategies to control the emission of microplastics into the aquatic environment. Environmental Science and Pollution Research, 2021, 28, 18908-18917.	5.3	20
3	An evaluation of the efficiency of odorant removal by sodium ferrate(VI) oxidation. Measurement: Journal of the International Measurement Confederation, 2021, 179, 109488.	5.0	7
4	How does unsustainable urbanization affect driving behavior and vehicular emissions? Evidence from Iran. Sustainable Cities and Society, 2021, 72, 103065.	10.4	15
5	Estimation of Carbon Monoxide, Sulfur Oxides, Nitrogen Oxides, Volatile Organic Compounds, and Particulate Matters Emission Due to Cryptocurrency Minersâ€™ Activity in Iran. Earth, 2021, 2, 667-673.	2.2	4
6	Application of ZnO-Nd Nano-Photocatalyst for the Reactive Red 198 Dye Decolorization in the Falling-Film Photocatalytic Reactor. Toxics, 2021, 9, 254.	3.7	7
7	Kinetic investigation of 1,9-dimethyl-methylene blue zinc chloride double salt removal from wastewater using ferrate (VI) and ultraviolet radiation. Journal of King Saud University - Science, 2020, 32, 213-222.	3.5	7
8	On-road performance and emission characteristics of CNG-gasoline bi-fuel taxis/private cars at the roadside environment. Atmospheric Pollution Research, 2020, 11, 1743-1753.	3.8	12
9	Technical Aspects of Biofuel Production from Different Sources in Malaysiaâ€”A Review. Processes, 2020, 8, 993.	2.8	18
10	Comparison of Azithromycin Removal from Water Using UV Radiation, Fe (VI) Oxidation Process and ZnO Nanoparticles. International Journal of Environmental Research and Public Health, 2020, 17, 1758.	2.6	16
11	Combination of TiO2 microreactor and electroflotation for organic pollutant removal from textile dyeing industry wastewater. AEJ - Alexandria Engineering Journal, 2020, 59, 549-563.	6.4	35
12	Different pretreatment technologies of lignocellulosic biomass for bioethanol production: An overview. Energy, 2020, 199, 117457.	8.8	292
13	Predicting Removal Efficiency of Formaldehyde from Synthetic Contaminated Air in Biotrickling Filter Using Artificial Neural Network Modeling. Journal of Environmental Engineering, ASCE, 2019, 145, 04019056.	1.4	2
14	Fluoride contamination, health problems and remediation methods in Asian groundwater: A comprehensive review. Ecotoxicology and Environmental Safety, 2019, 182, 109362.	6.0	250
15	Microalgal Biotechnology Application Towards Environmental Sustainability. , 2019, , 445-465.		8
16	Assessing the Efficiency of Sodium Ferrate Production by Solution Plasma Process. Plasma Chemistry and Plasma Processing, 2019, 39, 769-786.	2.4	9
17	Microalgae Cultivation Using Various Sources of Organic Substrate for High Lipid Content. Green Energy and Technology, 2019, , 893-898.	0.6	4
18	Enhancement of cigarette filter using MgO nanoparticles to reduce carbon monoxide, total hydrocarbons, carbon dioxide and nitrogen oxides of cigarette. Journal of Environmental Chemical Engineering, 2019, 7, 102873.	6.7	5

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19	Enhancing ferrate(VI) oxidation process to remove blue 203 from wastewater utilizing MgO nanoparticles. Journal of Environmental Management, 2019, 231, 297-302.	7.8	23
20	Comparing the ZnO/Fe(VI), UV/ZnO and UV/Fe(VI) processes for removal of Reactive Blue 203 from aqueous solution. Environmental Health Engineering and Management, 2019, 6, 27-39.	0.7	8
21	Removal of Acid Orange 7 dye from wastewater using combination of ultraviolet radiation, ultrasonic method, and MgO nanoparticles. Environmental Health Engineering and Management, 2019, 6, 157-170.	0.7	2
22	Gaseous emissions of landfill and modeling of their dispersion in the atmosphere of Shahrekord, Iran. Urban Climate, 2018, 24, 852-862.	5.7	19
23	Optimizing of near infrared region reflectance of mix-waste tile aggregate as coating material for cool pavement with surface temperature measurement. Energy and Buildings, 2018, 158, 172-180.	6.7	37
24	Microplastics pollution in different aquatic environments and biota: A review of recent studies. Marine Pollution Bulletin, 2018, 133, 191-208.	5.0	441
25	Evaluation of emission inventory for the emitted pollutants from landfill of Borujerd and modeling of dispersion in the atmosphere. Urban Climate, 2018, 25, 82-98.	5.7	10
26	Comparison of Reactive Blue 203 Dye Removal Using Ultraviolet Irradiation, Ferrate (VI) Oxidation Process and MgO Nanoparticles. Avicenna Journal of Environmental Health Engineering, 2018, 5, 78-90.	0.6	4
27	Equilibrium Isotherms of Formaldehyde Elimination from the Aqueous Solutions Containing Natural Adsorbents of Rice Bran and the Resulting Ashes. Journal of Human, Environment, and Health Promotion, 2018, 4, 87-93.	0.4	1
28	An overview on production and application of ferrate (VI) for chemical oxidation, coagulation and disinfection of water and wastewater. Journal of Environmental Chemical Engineering, 2017, 5, 1828-1842.	6.7	93
29	Application of photosynthetic bacteria for removal of heavy metals, macro-pollutants and dye from wastewater: A review. Journal of Water Process Engineering, 2017, 19, 312-321.	5.6	65
30	Enhancement of the Bioremediation of Pyrene-Contaminated Soils Using a Hematite Nanoparticle-based Modified Fenton Oxidation in a Sequenced Approach. Soil and Sediment Contamination, 2017, 26, 141-156.	1.9	25
31	Hydrogen sulfide and organic compounds removal in municipal wastewater using ferrate (VI) and ultraviolet radiation. Environmental Health Engineering and Management, 2017, 4, 7-14.	0.7	6
32	Formaldehyde removal from wastewater and air by using UV, ferrate(VI) and UV/ferrate(VI). Journal of Environmental Management, 2016, 184, 204-209.	7.8	35
33	An overview of biological processes and their potential for CO 2 capture. Journal of Environmental Management, 2016, 183, 41-58.	7.8	85
34	Formaldehyde removal mechanisms in a biotrickling filter reactor. Ecological Engineering, 2016, 90, 77-81.	3.6	14
35	An overview of principles of odor production, emission, and control methods in wastewater collection and treatment systems. Journal of Environmental Management, 2016, 170, 186-206.	7.8	109
36	Evaluation and analysis of gaseous emission in landfill area and estimation of its pollutants dispersion, (case of Rodan in Hormozgan, Iran). Environmental Health Engineering and Management, 2016, 3, 143-150.	0.7	8

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37	Investigation of formaldehyde removal from synthetic contaminated air by using human hair. Environmental Health Engineering and Management, 2016, 3, 191-196.	0.7	3
38	Evaluation of Iranian College Studentsâ€™ Awareness about Infertility Risk Factors. Jundishapur Journal of Health Sciences, 2016, 8, .	0.2	4
39	An Overview on Production and Applications of Ferrate(VI). Jundishapur Journal of Health Sciences, 2016, 8, .	0.2	9
40	Evaluation of Gaseous Pollutants Emission Rate from Marvdasht Landfills. Journal of Advanced Medical Sciences and Applied Technologies, 2016, 2, 162.	0.3	6
41	Removal of H2S and COD Using UV, Ferrate and UV/Ferrate from Municipal Wastewater. Journal of Human, Environment, and Health Promotion, 2016, 2, 1-8.	0.4	9
42	Kinetics of substrate utilization and bacterial growth of crude oil degraded by Pseudomonas aeruginosa. Journal of Environmental Health Science & Engineering, 2015, 13, 64.	3.0	13
43	Perspectives of phytoremediation using water hyacinth for removal of heavy metals, organic and inorganic pollutants in wastewater. Journal of Environmental Management, 2015, 163, 125-133.	7.8	255
44	Efficiency of Microalgae Chlamydomonas on the Removal of Pollutants from Palm Oil Mill Effluent (POME). Energy Procedia, 2015, 75, 2400-2408.	1.8	97
45	Durability improvement assessment in different high strength bacterial structural concrete grades against different types of acids. Sadhana - Academy Proceedings in Engineering Sciences, 2014, 39, 1509-1522.	1.3	16
46	Application ofProteus mirabilisandProteus vulgarismixture to design self-healing concrete. Desalination and Water Treatment, 2014, 52, 3623-3630.	1.0	42
47	Application of a grounded group decision-making (GGDM) model: a case of micro-organism optimal inoculation method in biological self-healing concrete. Desalination and Water Treatment, 2014, 52, 3594-3599.	1.0	12
48	Lab-scale optimization of propylene glycol removal from synthetic wastewater using activated sludge reactor. Desalination and Water Treatment, 2014, 52, 3585-3593.	1.0	7
49	Lab-scale optimization of propylene glycol removal from synthetic wastewater using activated sludge reactor**. Desalination and Water Treatment, 2014, 52, (ix)-(ix).	1.0	0
50	Removal of formaldehyde from polluted air in a biotrickling filter reactor. Desalination and Water Treatment, 2014, 52, 3663-3671.	1.0	17
51	Biofiltration process as an ideal approach to remove pollutants from polluted air. Desalination and Water Treatment, 2014, 52, 3600-3615.	1.0	27
52	Calculation of optimal gas retention time using a logarithmic equation applied to a bio-trickling filter reactor for formaldehyde removal from synthetic contaminated air. RSC Advances, 2013, 3, 5100.	3.6	21
53	Evaluation of gas retention time effects on the bio-trickling filter reactor performance for treating air contaminated with formaldehyde. RSC Advances, 2013, 3, 17462.	3.6	14
54	Experimental and Theoretical Investigation of Droplet Dispersion in Venturi Scrubbers with Axial Liquid Injection. Chemical Engineering and Technology, 2009, 32, 798-804.	1.5	7

#	Article	IF	Citations
55	Research Paper: Design and Development of Municipal Wastewater Treatment Systems by Fe(VI) and Computation of Systemâ€™s Economic Navigation. Journal of Advanced Medical Sciences and Applied Technologies, 0, , 169-174.	0.3	1
56	Biotreatment of formaldehyde-contaminated air in a trickle bed bioreactor. , 0, 93, 83-92.		2
57	Concentration modeling of hydrocarbons, carbon monoxide, carbon dioxide and nitrogen oxides emitted from cigarette consumption in atmosphere of Isfahan, Iran. Journal of Air Pollution and Health, 0, , .	0.0	1