

Amirreza Talaiekhosani

List of Publications by Year in descending order

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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	Microplastics pollution in different aquatic environments and biota: A review of recent studies. <i>Marine Pollution Bulletin</i> , 2018, 133, 191-208.	5.0	441
2	Different pretreatment technologies of lignocellulosic biomass for bioethanol production: An overview. <i>Energy</i> , 2020, 199, 117457.	8.8	292
3	Perspectives of phytoremediation using water hyacinth for removal of heavy metals, organic and inorganic pollutants in wastewater. <i>Journal of Environmental Management</i> , 2015, 163, 125-133.	7.8	255
4	Fluoride contamination, health problems and remediation methods in Asian groundwater: A comprehensive review. <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109362.	6.0	250
5	An overview of principles of odor production, emission, and control methods in wastewater collection and treatment systems. <i>Journal of Environmental Management</i> , 2016, 170, 186-206.	7.8	109
6	Recent advances in photocatalytic removal of organic and inorganic pollutants in air. <i>Journal of Cleaner Production</i> , 2021, 278, 123895.	9.3	103
7	Efficiency of Microalgae <i>Chlamydomonas</i> on the Removal of Pollutants from Palm Oil Mill Effluent (POME). <i>Energy Procedia</i> , 2015, 75, 2400-2408.	1.8	97
8	An overview on production and application of ferrate (VI) for chemical oxidation, coagulation and disinfection of water and wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1828-1842.	6.7	93
9	An overview of biological processes and their potential for CO ₂ capture. <i>Journal of Environmental Management</i> , 2016, 183, 41-58.	7.8	85
10	Application of photosynthetic bacteria for removal of heavy metals, macro-pollutants and dye from wastewater: A review. <i>Journal of Water Process Engineering</i> , 2017, 19, 312-321.	5.6	65
11	Application of <i>Proteus mirabilis</i> and <i>Proteus vulgaris</i> mixture to design self-healing concrete. <i>Desalination and Water Treatment</i> , 2014, 52, 3623-3630.	1.0	42
12	Optimizing of near infrared region reflectance of mix-waste tile aggregate as coating material for cool pavement with surface temperature measurement. <i>Energy and Buildings</i> , 2018, 158, 172-180.	6.7	37
13	Formaldehyde removal from wastewater and air by using UV, ferrate(VI) and UV/ferrate(VI). <i>Journal of Environmental Management</i> , 2016, 184, 204-209.	7.8	35
14	Combination of TiO ₂ microreactor and electroflotation for organic pollutant removal from textile dyeing industry wastewater. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 549-563.	6.4	35
15	Biofiltration process as an ideal approach to remove pollutants from polluted air. <i>Desalination and Water Treatment</i> , 2014, 52, 3600-3615.	1.0	27
16	Enhancement of the Bioremediation of Pyrene-Contaminated Soils Using a Hematite Nanoparticle-based Modified Fenton Oxidation in a Sequenced Approach. <i>Soil and Sediment Contamination</i> , 2017, 26, 141-156.	1.9	25
17	Enhancing ferrate(VI) oxidation process to remove blue 203 from wastewater utilizing MgO nanoparticles. <i>Journal of Environmental Management</i> , 2019, 231, 297-302.	7.8	23
18	Calculation of optimal gas retention time using a logarithmic equation applied to a bio-trickling filter reactor for formaldehyde removal from synthetic contaminated air. <i>RSC Advances</i> , 2013, 3, 5100.	3.6	21

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19	Evaluation of the available strategies to control the emission of microplastics into the aquatic environment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 18908-18917.	5.3	20
20	Gaseous emissions of landfill and modeling of their dispersion in the atmosphere of Shahrekord, Iran. <i>Urban Climate</i> , 2018, 24, 852-862.	5.7	19
21	Technical Aspects of Biofuel Production from Different Sources in Malaysia—A Review. <i>Processes</i> , 2020, 8, 993.	2.8	18
22	Removal of formaldehyde from polluted air in a biotrickling filter reactor. <i>Desalination and Water Treatment</i> , 2014, 52, 3663-3671.	1.0	17
23	Durability improvement assessment in different high strength bacterial structural concrete grades against different types of acids. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2014, 39, 1509-1522.	1.3	16
24	Comparison of Azithromycin Removal from Water Using UV Radiation, Fe (VI) Oxidation Process and ZnO Nanoparticles. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1758.	2.6	16
25	How does unsustainable urbanization affect driving behavior and vehicular emissions? Evidence from Iran. <i>Sustainable Cities and Society</i> , 2021, 72, 103065.	10.4	15
26	Evaluation of gas retention time effects on the bio-trickling filter reactor performance for treating air contaminated with formaldehyde. <i>RSC Advances</i> , 2013, 3, 17462.	3.6	14
27	Formaldehyde removal mechanisms in a biotrickling filter reactor. <i>Ecological Engineering</i> , 2016, 90, 77-81.	3.6	14
28	Kinetics of substrate utilization and bacterial growth of crude oil degraded by <i>Pseudomonas aeruginosa</i> . <i>Journal of Environmental Health Science & Engineering</i> , 2015, 13, 64.	3.0	13
29	Application of a grounded group decision-making (GGDM) model: a case of micro-organism optimal inoculation method in biological self-healing concrete. <i>Desalination and Water Treatment</i> , 2014, 52, 3594-3599.	1.0	12
30	On-road performance and emission characteristics of CNG-gasoline bi-fuel taxis/private cars at the roadside environment. <i>Atmospheric Pollution Research</i> , 2020, 11, 1743-1753.	3.8	12
31	Evaluation of emission inventory for the emitted pollutants from landfill of Borujerd and modeling of dispersion in the atmosphere. <i>Urban Climate</i> , 2018, 25, 82-98.	5.7	10
32	Assessing the Efficiency of Sodium Ferrate Production by Solution Plasma Process. <i>Plasma Chemistry and Plasma Processing</i> , 2019, 39, 769-786.	2.4	9
33	An Overview on Production and Applications of Ferrate(VI). <i>Jundishapur Journal of Health Sciences</i> , 2016, 8, .	0.2	9
34	Removal of H ₂ S and COD Using UV, Ferrate and UV/Ferrate from Municipal Wastewater. <i>Journal of Human, Environment, and Health Promotion</i> , 2016, 2, 1-8.	0.4	9
35	Microalgal Biotechnology Application Towards Environmental Sustainability. , 2019, , 445-465.		8
36	Evaluation and analysis of gaseous emission in landfill area and estimation of its pollutants dispersion, (case of Rodan in Hormozgan, Iran). <i>Environmental Health Engineering and Management</i> , 2016, 3, 143-150.	0.7	8

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37	Comparing the ZnO/Fe(VI), UV/ZnO and UV/Fe(VI) processes for removal of Reactive Blue 203 from aqueous solution. <i>Environmental Health Engineering and Management</i> , 2019, 6, 27-39.	0.7	8
38	Experimental and Theoretical Investigation of Droplet Dispersion in Venturi Scrubbers with Axial Liquid Injection. <i>Chemical Engineering and Technology</i> , 2009, 32, 798-804.	1.5	7
39	Lab-scale optimization of propylene glycol removal from synthetic wastewater using activated sludge reactor. <i>Desalination and Water Treatment</i> , 2014, 52, 3585-3593.	1.0	7
40	Kinetic investigation of 1,9-dimethyl-methylene blue zinc chloride double salt removal from wastewater using ferrate (VI) and ultraviolet radiation. <i>Journal of King Saud University - Science</i> , 2020, 32, 213-222.	3.5	7
41	An evaluation of the efficiency of odorant removal by sodium ferrate(VI) oxidation. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 179, 109488.	5.0	7
42	Application of ZnO-Nd Nano-Photocatalyst for the Reactive Red 198 Dye Decolorization in the Falling-Film Photocatalytic Reactor. <i>Toxics</i> , 2021, 9, 254.	3.7	7
43	Hydrogen sulfide and organic compounds removal in municipal wastewater using ferrate (VI) and ultraviolet radiation. <i>Environmental Health Engineering and Management</i> , 2017, 4, 7-14.	0.7	6
44	Evaluation of Gaseous Pollutants Emission Rate from Marvdasht Landfills. <i>Journal of Advanced Medical Sciences and Applied Technologies</i> , 2016, 2, 162.	0.3	6
45	Enhancement of cigarette filter using MgO nanoparticles to reduce carbon monoxide, total hydrocarbons, carbon dioxide and nitrogen oxides of cigarette. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102873.	6.7	5
46	Microalgae Cultivation Using Various Sources of Organic Substrate for High Lipid Content. <i>Green Energy and Technology</i> , 2019, , 893-898.	0.6	4
47	Estimation of Carbon Monoxide, Sulfur Oxides, Nitrogen Oxides, Volatile Organic Compounds, and Particulate Matters Emission Due to Cryptocurrency Miners's Activity in Iran. <i>Earth</i> , 2021, 2, 667-673.	2.2	4
48	Comparison of Reactive Blue 203 Dye Removal Using Ultraviolet Irradiation, Ferrate (VI) Oxidation Process and MgO Nanoparticles. <i>Avicenna Journal of Environmental Health Engineering</i> , 2018, 5, 78-90.	0.6	4
49	Evaluation of Iranian College Students's Awareness about Infertility Risk Factors. <i>Jundishapur Journal of Health Sciences</i> , 2016, 8, .	0.2	4
50	Investigation of formaldehyde removal from synthetic contaminated air by using human hair. <i>Environmental Health Engineering and Management</i> , 2016, 3, 191-196.	0.7	3
51	Predicting Removal Efficiency of Formaldehyde from Synthetic Contaminated Air in Biotrickling Filter Using Artificial Neural Network Modeling. <i>Journal of Environmental Engineering, ASCE</i> , 2019, 145, 04019056.	1.4	2
52	Removal of Acid Orange 7 dye from wastewater using combination of ultraviolet radiation, ultrasonic method, and MgO nanoparticles. <i>Environmental Health Engineering and Management</i> , 2019, 6, 157-170.	0.7	2
53	Biotreatment of formaldehyde-contaminated air in a trickle bed bioreactor. , 0, 93, 83-92.		2
54	Research Paper: Design and Development of Municipal Wastewater Treatment Systems by Fe(VI) and Computation of System's Economic Navigation. <i>Journal of Advanced Medical Sciences and Applied Technologies</i> , 0, , 169-174.	0.3	1

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55	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
56	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
57	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