

Mohammad Rafiee

List of Publications by Year in descending order

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32
papers

1,323
citations

516215

16
h-index

476904

29
g-index

32
all docs

32
docs citations

32
times ranked

1722
citing authors

#	ARTICLE	IF	CITATIONS
1	Household recycling knowledge, attitudes and practices towards solid waste management. <i>Resources, Conservation and Recycling</i> , 2015, 102, 94-100.	5.3	199
2	The emerging risk of exposure to nano(micro)plastics on endocrine disturbance and reproductive toxicity: From a hypothetical scenario to a global public health challenge. <i>Environmental Pollution</i> , 2020, 261, 114158.	3.7	141
3	Separate and simultaneous removal of phenol, chromium, and cyanide from aqueous solution by coagulation/precipitation: Mechanisms and theory. <i>Chemical Engineering Journal</i> , 2014, 253, 251-257.	6.6	136
4	Comparative treatment of textile wastewater by adsorption, Fenton, UV-Fenton and US-Fenton using magnetic nanoparticles-functionalized carbon (MNPs@C). <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 56, 163-174.	2.9	117
5	Neurobehavioral assessment of rats exposed to pristine polystyrene nanoplastics upon oral exposure. <i>Chemosphere</i> , 2018, 193, 745-753.	4.2	94
6	Photo-assisted degradation of 2, 4, 6-trichlorophenol by an advanced reduction process based on sulfite anion radical: Degradation, dechlorination and mineralization. <i>Chemosphere</i> , 2018, 191, 156-165.	4.2	83
7	A modified drinking water quality index (DWQI) for assessing drinking source water quality in rural communities of Khuzestan Province, Iran. <i>Ecological Indicators</i> , 2015, 53, 283-291.	2.6	74
8	Development of response surface methodology for optimization of phenol and p -chlorophenol adsorption on magnetic recoverable carbon. <i>Microporous and Mesoporous Materials</i> , 2016, 231, 192-206.	2.2	70
9	Degradation and COD removal of trichlorophenol from wastewater using sulfite anion radicals in a photochemical process combined with a biological reactor: Mechanisms, degradation pathway, optimization and energy consumption. <i>Chemical Engineering Research and Design</i> , 2019, 123, 263-271.	2.7	45
10	Thyroid endocrine status and biochemical stress responses in adult male Wistar rats chronically exposed to pristine polystyrene nanoplastics. <i>Toxicology Research</i> , 2019, 8, 953-963.	0.9	44
11	A comparative study on the toxicity of nano zero valent iron (nZVI) on aerobic granular sludge and flocculent activated sludge: Reactor performance, microbial behavior, and mechanism of toxicity. <i>Chemical Engineering Research and Design</i> , 2019, 129, 238-248.	2.7	42
12	Moore swab performs equal to composite and outperforms grab sampling for SARS-CoV-2 monitoring in wastewater. <i>Science of the Total Environment</i> , 2021, 790, 148205.	3.9	42
13	Responses of flocculated activated sludge to bimetallic Ag-Fe nanoparticles toxicity: Performance, activity enzymatic, and bacterial community shift. <i>Journal of Hazardous Materials</i> , 2019, 366, 114-123.	6.5	28
14	Nanoplastics-induced oxidative stress, antioxidant defense, and physiological response in exposed Wistar albino rats. <i>Environmental Science and Pollution Research</i> , 2022, 29, 11332-11344.	2.7	25
15	An innovative drinking water nutritional quality index (DWNQI) for assessing drinking water contribution to intakes of dietary elements: A national and sub-national study in Iran. <i>Ecological Indicators</i> , 2016, 60, 367-376.	2.6	23
16	Adsorption performance of packed bed column for nitrate removal using PAN-oxime-nano Fe ₂ O ₃ . <i>Journal of Environmental Health Science & Engineering</i> , 2014, 12, 90.	1.4	19
17	Sewage Systems Surveillance for SARS-CoV-2: Identification of Knowledge Gaps, Emerging Threats, and Future Research Needs. <i>Pathogens</i> , 2021, 10, 946.	1.2	17
18	4-Chlorophenol inhibition on flocculent and granular sludge sequencing batch reactors treating synthetic industrial wastewater. <i>Desalination and Water Treatment</i> , 2012, 49, 307-316.	1.0	15

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19	Detection and identification of Legionella species in hospital water supplies through Polymerase Chain Reaction (16S rRNA). Journal of Environmental Health Science & Engineering, 2014, 12, 83.	1.4	15
20	Sequential study on reactive blue 29 dye removal from aqueous solution by peroxy acid and single wall carbon nanotubes: experiment and theory. Iranian Journal of Environmental Health Science & Engineering, 2013, 10, 5.	1.8	12
21	Role of CODPCP/CODTotal ratio on p-chlorophenol toxicity towards aerobic granular sludge. Journal of Industrial and Engineering Chemistry, 2017, 54, 440-446.	2.9	12
22	Comparative study of RSM and ANN for multiple target optimisation in coagulation/precipitation process of contaminated waters: mechanism and theory. International Journal of Environmental Analytical Chemistry, 2022, 102, 8519-8537.	1.8	12
23	Association of SARS-CoV-2 presence in sewage with public adherence to precautionary measures and reported COVID-19 prevalence in Tehran. Science of the Total Environment, 2022, 812, 152597.	3.9	11
24	Kinetic study of real landfill leachate treated by non-thermal plasma (NTP) and granular sequential batch reactors (GSBR). Journal of Water Process Engineering, 2021, 43, 102245.	2.6	10
25	Purification and removal of Ascaris and Fasciola hepatica eggs from drinking water using roughing filters. Korean Journal of Chemical Engineering, 2008, 25, 501-504.	1.2	9
26	Degradation of atenolol by CuFe ₂ O ₄ /visible light/oxidant: Effects of electron acceptors, synergistic effects, degradation pathways, and mechanism. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 418, 113425.	2.0	9
27	Fate and inhibition of Bis (2-Ethylhexyl) phthalate in biophysical reactors for treating real landfill leachate. Chemical Engineering Research and Design, 2022, 160, 450-464.	2.7	6
28	Heterogeneous sonocatalytic degradation of atenolol using CuFe ₂ O ₄ from aqueous solution: effects of operational parameters, energy consumption and degradation mechanism. International Journal of Environmental Analytical Chemistry, 0, , 1-20.	1.8	5
29	The Efficacy of Residual Chlorine Content on the Control of Legionella Spp. In Hospital Water Systems. Iranian Journal of Public Health, 2014, 43, 637-44.	0.3	4
30	Development of Aerobic Granular Sludge for Chemical Industries Wastewater Treatment. Health Scope, 2018, 7, .	0.4	3
31	Bis(2-ethylhexyl) phthalate inhibition on aerobic flocculent and granular sludge in the treatment of landfill leachate: a comparative study. Biomass Conversion and Biorefinery, 0, , 1.	2.9	1
32	The formation of aerobic granular sludge for the treatment of real landfill leachate using a granular sequencing batch reactor at a constant volume. Environmental Quality Management, 0, , .	1.0	0