

Ayoub Karimi-Jashni

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

979
citations

430754

18
h-index

434063

31
g-index

36
all docs

36
docs citations

36
times ranked

1225
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and application of novel high throughput metal waste chips and foam electrodes for electrocoagulation treatment of graywater. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 528-539.	1.2	2
2	Water treatment by forward osmosis using novel D-Xylose coated magnetic nanoparticles as draw agent. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 3309-3318.	1.2	4
3	A hybrid statistical decision-making optimization approach for groundwater vulnerability considering uncertainty. <i>Environmental Science and Pollution Research</i> , 2022, 29, 8597-8612.	2.7	7
4	Development and evaluation of a novel feed spacer for forward osmosis membrane. <i>Chemical Engineering Research and Design</i> , 2022, 159, 874-886.	2.7	3
5	Desalination of brackish water by gelatin-coated magnetite nanoparticles as a novel draw solute in forward osmosis process. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1-11.	1.2	19
6	Optimization of a novel visible-light-driven Ag/C-TiO ₂ nanophotocatalyst for treatment of recombinant DNA in biopharmaceutical wastewater. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 885-900.	1.8	0
7	Photocatalytic landfill leachate treatment using P-type TiO ₂ nanoparticles under visible light irradiation. <i>Environment, Development and Sustainability</i> , 2021, 23, 6047-6065.	2.7	14
8	A New Approach for Dust Storm Detection Using MODIS Data. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2021, 45, 963-969.	1.0	2
9	Application of molasses as draw solution in forward osmosis desalination for fertigation purposes. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 764-774.	1.2	9
10	Fabrication, optimization, and performance of a novel double-skinned Al ₂ O ₃ nanoparticles. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 775-784.	3.0	12
11	Optimization of Ni(II) adsorption onto Cloisite Na ⁺ clay using response surface methodology. <i>Chemosphere</i> , 2020, 246, 125710.	4.2	22
12	A new modified anoxic-anaerobic-membrane bioreactor for treatment of real wastewater with a low carbon/nutrient ratio and high nitrate. <i>Journal of Water Process Engineering</i> , 2020, 33, 101054.	2.6	7
13	Photocatalytic treatment of landfill leachate using cascade photoreactor with immobilized W-C-codoped TiO ₂ nanoparticles. <i>Journal of Water Process Engineering</i> , 2020, 36, 101307.	2.6	27
14	Photocatalytic treatment of landfill leachate: A comparison between N-, P-, and N-P-type TiO ₂ nanoparticles. <i>Environmental Technology and Innovation</i> , 2020, 19, 100985.	3.0	11
15	Industrial Composting of Commingled Municipal Solid Waste: A Case Study of Shiraz City, Iran. <i>Journal of Environmental Treatment Techniques (discontinued)</i> , 2020, 8, 1292-1303.	0.5	3
16	Optimization of rDNA degradation in recombinant Hepatitis B vaccine production plant wastewater using visible light excited Ag-doped TiO ₂ nanophotocatalyst. <i>Chemical Engineering Research and Design</i> , 2019, 122, 328-338.	2.7	17
17	Experimental Investigation and Modeling of Nickel Removal from Wastewater Using Modified Rice Husk in Continuous Reactor by Response Surface Methodology. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2018, 42, 315-323.	1.0	22
18	Removal of dissolved toluene in underground water with nanowires of manganese oxide. <i>Adsorption Science and Technology</i> , 2018, 36, 393-407.	1.5	4

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19	Optimization of toluene removal over W-doped TiO ₂ nano-photocatalyst under visible light irradiation. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 3135-3148.	1.2	21
20	Green synthesis and optimization of nano-magnetite using <i>Persicaria bistorta</i> root extract and its application for rosewater distillation wastewater treatment. <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 467-475.	2.9	40
21	Comparison of photo-Fenton, O ₃ /H ₂ O ₂ /UV and photocatalytic processes for the treatment of gray water. <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 683-690.	2.9	45
22	Modeling and optimization of photocatalytic treatment of landfill leachate using tungsten-doped TiO ₂ nano-photocatalysts: Application of artificial neural network and genetic algorithm. <i>Chemical Engineering Research and Design</i> , 2018, 117, 267-277.	2.7	37
23	Photocatalytic Treatment of Landfill Leachate Using W-Doped TiO ₂ Nanoparticles. <i>Journal of Environmental Engineering, ASCE</i> , 2017, 143, .	0.7	33
24	Effect of ball milling process on the structure of local clay and its adsorption performance for Ni(II) removal. <i>Applied Clay Science</i> , 2017, 137, 213-224.	2.6	40
25	A mathematical method and artificial neural network modeling to simulate osmosis membrane's performance. <i>Modeling Earth Systems and Environment</i> , 2016, 2, 1-11.	1.9	21
26	Verifying the performance of artificial neural network and multiple linear regression in predicting the mean seasonal municipal solid waste generation rate: A case study of Fars province, Iran. <i>Waste Management</i> , 2016, 48, 14-23.	3.7	144
27	Performance of simultaneous organic and nutrient removal in a pilot scale anaerobic-anoxic-oxic membrane bioreactor system treating municipal wastewater with a high nutrient mass ratio. <i>International Biodeterioration and Biodegradation</i> , 2015, 104, 363-370.	1.9	30
28	Synthesis and characterization of novel single-walled carbon nanotubes- doped walnut shell composite and its adsorption performance for lead in aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 2059-2067.	3.3	30
29	Treatability of landfill leachate by combined upflow anaerobic sludge blanket reactor and aerated lagoon. <i>International Journal of Environmental Science and Technology</i> , 2012, 9, 145-151.	1.8	26
30	Wavelet transform-based artificial neural networks (WT-ANN) in PM ₁₀ pollution level estimation, based on circular variables. <i>Environmental Science and Pollution Research</i> , 2012, 19, 256-268.	2.7	15
31	Optimization of Pb(II) adsorption onto modified walnut shells using factorial design and simplex methodologies. <i>Chemical Engineering Journal</i> , 2011, 173, 743-749.	6.6	84
32	Treatment of municipal landfill leachate using a combined anaerobic digester and activated sludge system. <i>Waste Management</i> , 2010, 30, 1025-1031.	3.7	97
33	Electrochemical regeneration of granular activated carbons loaded with phenol and natural organic matter. <i>Environmental Technology (United Kingdom)</i> , 2009, 30, 27-36.	1.2	67
34	Electrochemical Reactivation of Granular Activated Carbon: Effect of Electrolyte Mixing. <i>Journal of Environmental Engineering, ASCE</i> , 2005, 131, 443-449.	0.7	13
35	Electrochemical reactivation of granular activated carbon: pH dependence. <i>Journal of Environmental Engineering and Science</i> , 2005, 4, 187-194.	0.3	19
36	Impact of pH on the adsorption and desorption kinetics of 2-nitrophenol on activated carbons. <i>Water Research</i> , 1997, 31, 3039-3044.	5.3	32