Ayoub Karimi-Jashni

List of Publications by Year
in descending order

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36	979	430754	434063
papers	citations	18	31
		h-index	g-index

36	36	36	1225
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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. Waste Management, 2016, 48, 14-23.	3.7	144
2	Treatment of municipal landfill leachate using a combined anaerobic digester and activated sludge system. Waste Management, 2010, 30, 1025-1031.	3.7	97
3	Optimization of Pb(II) adsorption onto modified walnut shells using factorial design and simplex methodologies. Chemical Engineering Journal, 2011, 173, 743-749.	6.6	84
4	Electrochemical regeneration of granular activated carbons loaded with phenol and natural organic matter. Environmental Technology (United Kingdom), 2009, 30, 27-36.	1.2	67
5	Comparison of photo-Fenton, O3/H2O2/UV and photocatalytic processes for the treatment of gray water. Ecotoxicology and Environmental Safety, 2018, 161, 683-690.	2.9	45
6	Effect of ball milling process on the structure of local clay and its adsorption performance for Ni(II) removal. Applied Clay Science, 2017, 137, 213-224.	2.6	40
7	Green synthesis and optimization of nano-magnetite using Persicaria bistorta root extract and its application for rosewater distillation wastewater treatment. Ecotoxicology and Environmental Safety, 2018, 165, 467-475.	2.9	40
8	Modeling and optimization of photocatalytic treatment of landfill leachate using tungsten-doped TiO2 nano-photocatalysts: Application of artificial neural network and genetic algorithm. Chemical Engineering Research and Design, 2018, 117, 267-277.	2.7	37
9	Photocatalytic Treatment of Landfill Leachate Using W-Doped TiO2 Nanoparticles. Journal of Environmental Engineering, ASCE, 2017, 143, .	0.7	33
10	Impact of pH on the adsorption and desorption kinetics of 2-nitrophenol on activated carbons. Water Research, 1997, 31, 3039-3044.	5.3	32
11	Synthesis and characterization of novel single-walled carbon nanotubes- doped walnut shell composite and its adsorption performance for lead in aqueous solutions. Journal of Environmental Chemical Engineering, 2014, 2, 2059-2067.	3.3	30
12	Performance of simultaneous organic and nutrient removal in a pilot scale anaerobicâ€“anoxicâ€“oxic membrane bioreactor system treating municipal wastewater with a high nutrient mass ratio. International Biodeterioration and Biodegradation, 2015, 104, 363-370.	1.9	30
13	Photocatalytic treatment of landfill leachate using cascade photoreactor with immobilized W-C-codoped TiO2 nanoparticles. Journal of Water Process Engineering, 2020, 36, 101307.	2.6	27
14	Treatability of landfill leachate by combined upflow anaerobic sludge blanket reactor and aerated lagoon. International Journal of Environmental Science and Technology, 2012, 9, 145-151.	1.8	26
15	Experimental Investigation and Modeling of Nickel Removal from Wastewater Using Modified Rice Husk in Continuous Reactor by Response Surface Methodology. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2018, 42, 315-323.	1.0	22
16	Optimization of Ni(II) adsorption onto Cloisite Na+ clay using response surface methodology. Chemosphere, 2020, 246, 125710.	4.2	22
17	A mathematical method and artificial neural network modeling to simulate osmosis membraneâ€™s performance. Modeling Earth Systems and Environment, 2016, 2, 1-11.	1.9	21
18	Optimization of toluene removal over W-doped TiO₂ nano-photocatalyst under visible light irradiation. Environmental Technology (United Kingdom), 2018, 39, 3135-3148.	1.2	21

#	Article	IF	Citations
19	Electrochemical reactivation of granular activated carbon: pH dependence. Journal of Environmental Engineering and Science, 2005, 4, 187-194.	0.3	19
20	Desalination of brackish water by gelatin-coated magnetite nanoparticles as a novel draw solute in forward osmosis process. Environmental Technology (United Kingdom), 2021, 42, 1-11.	1.2	19
21	Optimization of rDNA degradation in recombinant Hepatitis B vaccine production plant wastewater using visible light excited Ag-doped TiO2 nanophotocatalyst. Chemical Engineering Research and Design, 2019, 122, 328-338.	2.7	17
22	Wavelet transform-based artificial neural networks (WT-ANN) in PM10 pollution level estimation, based on circular variables. Environmental Science and Pollution Research, 2012, 19, 256-268.	2.7	15
23	Photocatalytic landfill leachate treatment using P-type TiO2 nanoparticles under visible light irradiation. Environment, Development and Sustainability, 2021, 23, 6047-6065.	2.7	14
24	Electrochemical Reactivation of Granular Activated Carbon: Effect of Electrolyte Mixing. Journal of Environmental Engineering, ASCE, 2005, 131, 443-449.	0.7	13
25	Fabrication, optimization, and performance of a novel double-skinned Al<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1452" altimg="si1.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1460" altimg="si2.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msu	3.0	12
26	Photocatalytic treatment of landfill leachate: A comparison between N-, P-, and N-P-type TiO2 nanoparticles. Environmental Technology and Innovation, 2020, 19, 100985.	3.0	11
27	Application of molasses as draw solution in forward osmosis desalination for fertigation purposes. Environmental Technology (United Kingdom), 2021, 42, 764-774.	1.2	9
28	A new modified anoxic-anaerobic-membrane bioreactor for treatment of real wastewater with a low carbon/nutrient ratio and high nitrate. Journal of Water Process Engineering, 2020, 33, 101054.	2.6	7
29	A hybrid statistical decision-making optimization approach for groundwater vulnerability considering uncertainty. Environmental Science and Pollution Research, 2022, 29, 8597-8612.	2.7	7
30	Removal of dissolved toluene in underground water with nanowires of manganese oxide. Adsorption Science and Technology, 2018, 36, 393-407.	1.5	4
31	Water treatment by forward osmosis using novel D-Xylose coated magnetic nanoparticles as draw agent. Environmental Technology (United Kingdom), 2022, 43, 3309-3318.	1.2	4
32	Industrial Composting of Commingled Municipal Solid Waste: A Case Study of Shiraz City, Iran. Journal of Environmental Treatment Techniques (discontinued), 2020, 8, 1292-1303.	0.5	3
33	Development and evaluation of a novel feed spacer for forward osmosis membrane. Chemical Engineering Research and Design, 2022, 159, 874-886.	2.7	3
34	A New Approach for Dust Storm Detection Using MODIS Data. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2021, 45, 963-969.	1.0	2
35	Development and application of novel high throughput metal waste chips and foam electrodes for electrocoagulation treatment of graywater. Environmental Technology (United Kingdom), 2023, 44, 528-539.	1.2	2
36	Optimization of a novel visible-light-driven Ag/C-TiO2 nanophotocatalyst for treatment of recombinant DNA in biopharmaceutical wastewater. International Journal of Environmental Science and Technology, 2021, 18, 885-900.	1.8	0