

Mohammad Hossein Salmani

List of Publications by Year in descending order

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papers

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699
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectric barrier discharge plasma combined with nano catalyst for aqueous amoxicillin removal: Performance modeling, kinetics and optimization study, energy yield, degradation pathway, and toxicity. Separation and Purification Technology, 2020, 251, 117270.	7.9	57
2	Removal of cadmium (II) from simulated wastewater by ion flotation technique. Iranian Journal of Environmental Health Science & Engineering, 2013, 10, 16.	1.8	53
3	Efficient photocatalytic oxidation of arsenite from contaminated water by Fe ₂ O ₃ -Mn ₂ O ₃ nanocomposite under UVA radiation and process optimization with experimental design. Chemosphere, 2018, 207, 303-312.	8.2	50
4	Enhanced coagulation process by Fe-Mn bimetal nano-oxides in combination with inorganic polymer coagulants for improving As(V) removal from contaminated water. Journal of Cleaner Production, 2019, 208, 384-392.	9.3	47
5	Dielectric barrier discharge plasma with photocatalysts as a hybrid emerging technology for degradation of synthetic organic compounds in aqueous environments: A critical review. Chemosphere, 2021, 263, 128065.	8.2	44
6	Ozone-cathode microbial desalination cell; An innovative option to bioelectricity generation and water desalination. Chemosphere, 2017, 188, 470-477.	8.2	36
7	Optimization and economic evaluation of modified coagulation-flocculation process for enhanced treatment of ceramic-tile industry wastewater. AMB Express, 2018, 8, 172.	3.0	26
8	Evaluation of heavy metal concentration in imported black tea in Iran and consumer risk assessments. Food Science and Nutrition, 2019, 7, 4021-4026.	3.4	26
9	Improved power density and Cr/Pb removal using ozone in a microbial desalination cell. Environmental Chemistry Letters, 2018, 16, 1477-1485.	16.2	25
10	Application of photo-electro oxidation process for amoxicillin removal from aqueous solution: Modeling and toxicity evaluation. Korean Journal of Chemical Engineering, 2019, 36, 713-721.	2.7	23
11	Synthesis of mesoporous Fe-Mn bimetal oxide nanocomposite by aeration co-precipitation method: Physicochemical, structural, and optical properties. Materials Chemistry and Physics, 2019, 224, 65-72.	4.0	22
12	Integration of photo-oxidation based on UV/Persulfate and adsorption processes for arsenic removal from aqueous solutions. Groundwater for Sustainable Development, 2020, 10, 100338.	4.6	21
13	Adsorption of Cd ions from aqueous solutions by iron modified pomegranate peel carbons: kinetic and thermodynamic studies. International Journal of Environmental Science and Technology, 2016, 13, 2045-2056.	3.5	17
14	Removal of Cr(VI) oxoanion from contaminated water using granular jujube stems as a porous adsorbent. Groundwater for Sustainable Development, 2019, 8, 319-323.	4.6	16
15	Synthesis, characterization and application of mesoporous silica in removal of cobalt ions from contaminated water. Groundwater for Sustainable Development, 2020, 11, 100425.	4.6	13
16	Arsenic exposure to breast-fed infants: contaminated breastfeeding in the first month of birth. Environmental Science and Pollution Research, 2018, 25, 6680-6684.	5.3	12
17	Simultaneous reduction and adsorption of arsenite anions by green synthesis of iron nanoparticles using pomegranate peel extract. Journal of Environmental Health Science & Engineering, 2021, 19, 603-612.	3.0	12
18	The conversion of poultry slaughterhouse wastewater sludge into biodiesel: Process modeling and optimization. Renewable Energy, 2021, 178, 1236-1249.	8.9	11

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19	The Nickel Concentration in Breast Milk during the First Month of Lactation in Yazd, Center of Iran. <i>Biological Trace Element Research</i> , 2016, 174, 65-70.	3.5	9
20	Comparison between Ag (I) and Ni (II) removal from synthetic nuclear power plant coolant water by iron oxide nanoparticles. <i>Journal of Environmental Health Science & Engineering</i> , 2013, 11, 21.	3.0	8
21	Modification of pomegranate waste with iron ions a green composite for removal of Pb from aqueous solution: equilibrium, thermodynamic and kinetic studies. <i>AMB Express</i> , 2017, 7, 225.	3.0	8
22	Predicting anionic surfactant toxicity to <i>Daphnia magna</i> in aquatic environment: a green approach for evaluation of EC50 values. <i>Environmental Science and Pollution Research</i> , 2021, 28, 50731-50746.	5.3	8
23	Recovery of intermittent cycle extended aeration system sludge through conversion into biodiesel by in-situ transesterification. <i>Renewable Energy</i> , 2021, 163, 56-65.	8.9	6
24	An efficient heterogeneous solid acid catalyst derived from sewage sludge for the catalytic transformation of sludge into biodiesel: Preparation, characterization, and arylation process modeling. <i>Journal of Cleaner Production</i> , 2022, 355, 131809.	9.3	6
25	Evaluation of removal efficiency of residual diclofenac in aqueous solution by nanocomposite tungsten-carbon using design of experiment. <i>Water Science and Technology</i> , 2017, 76, 1466-1473.	2.5	4
26	Application of photoelectro-fenton process modified with porous cathode electrode in removing resistant organic compounds from aquatic solutions: modeling, toxicity and kinetics. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 969-977.	2.7	3
27	Monitoring of Essential and Toxic Elements in Leaves, Branches, and Stem of <i>Prosopis cineraria</i> (as) Tj ETQq1 1 0.784314 rgBJ ₂ /Overlo	3.5	2
28	Fabrication of ZnO/y-FeOOH nanoparticles embedded on the polyethylene terephthalate membrane: Evaluation of antifouling behavior and COD removal. <i>Environmental Science and Pollution Research</i> , 2022, 29, 67014-67025.	5.3	2
29	Designing and modeling of a novel electrolysis reactor using porous cathode to produce H ₂ O ₂ as an oxidant. <i>MethodsX</i> , 2019, 6, 1305-1312.	1.6	1
30	Evaluation of humic acid removal efficiency in aqueous solution by feather protein granule. , 0, 83, 47-55.		0