

Seyed Mehdi Borghei

List of Publications by Year in descending order

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36
papers

974
citations

516681

16
h-index

454934

30
g-index

36
all docs

36
docs citations

36
times ranked

1460
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of chromium from aqueous solution using polyaniline / Poly ethylene glycol composite. Journal of Hazardous Materials, 2010, 184, 248-254.	12.4	138
2	Covalently immobilized laccase onto graphene oxide nanosheets: Preparation, characterization, and biodegradation of azo dyes in colored wastewater. Journal of Molecular Liquids, 2019, 276, 153-162.	4.9	138
3	Pharmaceuticals removal by immobilized laccase on polyvinylidene fluoride nanocomposite with multi-walled carbon nanotubes. Chemosphere, 2021, 263, 128043.	8.2	80
4	Application of chitosan-citric acid nanoparticles for removal of chromium (VI). International Journal of Biological Macromolecules, 2015, 80, 431-444.	7.5	79
5	Bacterial leaching of a spent Mo-Co-Ni refinery catalyst using Acidithiobacillus ferrooxidans and Acidithiobacillus thiooxidans. Hydrometallurgy, 2011, 106, 26-31.	4.3	78
6	Photo-Fenton like degradation of catechol using persulfate activated by UV and ferrous ions: Influencing operational parameters and feasibility studies. Journal of Molecular Liquids, 2018, 249, 463-469.	4.9	59
7	Fouling reduction of emulsion polyvinylchloride ultrafiltration membranes blended by PEG: the effect of additive concentration and coagulation bath temperature. Desalination and Water Treatment, 2016, 57, 11931-11944.	1.0	56
8	Application of moving bed biofilm reactor in the removal of pharmaceutical compounds (diclofenac) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	6.7	38
9	The use of halophytic plants for salt phytoremediation in constructed wetlands. International Journal of Phytoremediation, 2017, 19, 643-650.	3.1	36
10	Optimising nutrient removal of a hybrid five-stage Bardenpho and moving bed biofilm reactor process using response surface methodology. Journal of Environmental Chemical Engineering, 2019, 7, 102861.	6.7	30
11	Utilization of moving bed biofilm reactor for industrial wastewater treatment containing ethylene glycol: kinetic and performance study. Environmental Technology (United Kingdom), 2014, 35, 499-507.	2.2	28
12	Fabrication and characterization of high-branched recyclable PAMAM dendrimer polymers on the modified magnetic nanoparticles for removing naphthalene from aqueous solutions. Microchemical Journal, 2019, 145, 767-777.	4.5	28
13	Recovery of cooling tower blowdown water for reuse: The investigation of different types of pretreatment prior nanofiltration and reverse osmosis. Journal of Water Process Engineering, 2016, 10, 188-199.	5.6	27
14	Superparamagnetic enzyme-graphene oxide magnetic nanocomposite as an environmentally friendly biocatalyst: Synthesis and biodegradation of dye using response surface methodology. Microchemical Journal, 2019, 145, 547-558.	4.5	24
15	Preparation of activated carbon dots from sugarcane bagasse for naphthalene removal from aqueous solutions. Separation Science and Technology, 2018, 53, 2536-2549.	2.5	23
16	Adsorption and oxidation study on arsenite removal from aqueous solutions by polyaniline/polyvinyl alcohol composite. Journal of Water Process Engineering, 2016, 14, 101-107.	5.6	21
17	Synthesis of Zero-Valent Iron Nanoparticles Via Electrical Wire Explosion for Efficient Removal of Heavy Metals. Clean - Soil, Air, Water, 2017, 45, 1600139.	1.1	16
18	Influence of ultrasonic cell disintegration on excess sludge reduction in a Moving Bed Biofilm Reactor (MBBR). Journal of Environmental Chemical Engineering, 2019, 7, 102997.	6.7	14

#	ARTICLE	IF	CITATIONS
19	Nitrogen removal from high organic loading wastewater in modified Ludzackâ€“Ettinger configuration MBBR system. <i>Water Science and Technology</i> , 2015, 72, 1274-1282.	2.5	10
20	Simultaneous ammonium and nitrate removal by a modified intermittently aerated sequencing batch reactor (SBR) with multiple filling events. <i>Polish Journal of Chemical Technology</i> , 2016, 18, 72-80.	0.5	9
21	Efficient biodegradation of naphthalene by a newly characterized indigenous <i>Achromobacter</i> sp. FBHYA2 isolated from Tehran Oil Refinery Complex. <i>Water Science and Technology</i> , 2012, 66, 594-602.	2.5	7
22	Performance of biofilters in GAC-sand and anthracite-sand dual-media filters in a water treatment plant in Abadan, Iran. <i>Desalination and Water Treatment</i> , 2016, 57, 19655-19664.	1.0	5
23	Developing a new approach for (biological) optimal control problems: Application to optimization of laccase production with a comparison between response surface methodology and novel geometric procedure. <i>Mathematical Biosciences</i> , 2019, 309, 23-33.	1.9	5
24	Laser irradiation for controlling size of TiO ₂ â€“Zeolite nanocomposite in removal of 2,4-dichlorophenoxyacetic acid herbicide. <i>Water Science and Technology</i> , 2019, 80, 864-873.	2.5	4
25	Biological removal of nutrients (N & P) from urban wastewater with a modified integrated fixedâ€“film activated sludgeâ€“oxic settling anoxic system using an anoxic sludge holding tank. <i>Water and Environment Journal</i> , 2021, 35, 830-846.	2.2	4
26	Application of ZnO-Ag-Nd nanocomposite as a new synthesized nanophotocatalyst for the degradation of organic compounds: kinetic, thermodynamic and economic study. <i>Toxicology and Industrial Health</i> , 2019, 35, 1-10.	1.4	3
27	Comparing the efficacy of catalytic ozonation and photocatalytic degradation of cyanide in industrial wastewater using ACF-TiO ₂ : catalyst characterisation, degradation kinetics, and degradation mechanism. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 3023-3042.	3.3	3
28	Efficiency studies of modified IFAS-OSA system upgraded by an anoxic sludge holding tank. <i>Scientific Reports</i> , 2021, 11, 24205.	3.3	3
29	Simultaneous sulfamethoxazole and trimethoprim removal and biofilm growth characteristics in attached growth bioreactor. <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 415-426.	3.5	2
30	Biological Excess-Sludge Reduction and Sludge Settleability Improvement Using a New Modified IFAS-OSA Process by Adding an Anoxic Sludge-Holding Tank to the Return Activated Sludge Line of the System. <i>Journal of Environmental Engineering, ASCE</i> , 2021, 147, 04020151.	1.4	2
31	Simulation modeling of nutrients, dissolved oxygen and total dissolved solids in Peer-Bazar River and Anzali wetland eutrophication prediction. , 0, 79, 108-124.		2
32	Nickel ion removal from aqueous solution using recyclable zeolitic imidazolate frameworks-8 (ZIF-8) nano adsorbent: a kinetic and equilibrium study. , 0, 103, 141-151.		1
33	Improving the performance of air gap membrane distillation process using a developed tubular condenser compared to a flat plate condenser. , 0, 139, 39-52.		1
34	Adsorptive removal of petroleum hydrocarbons from aqueous solutions by novel zinc oxide nanoparticles grafted with polymers. <i>Petroleum Science and Technology</i> , 2016, 34, 778-784.	1.5	0
35	Improving Wastewater Nitrogen Removal and Reducing Effluent NO _x - -N by an Oxygen-Limited Process Consisting of a Sequencing Batch Reactor and a Sequencing Batch Biofilm Reactor. <i>International Journal of Chemical Reactor Engineering</i> , 2019, 17, .	1.1	0
36	Hybrid nano-adsorbent supported carbon dots for removal of chromium from aqueous solution. , 0, 103, 221-231.		0