

# Seyed Mehdi Borghei

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31  
papers

720  
citations

15  
h-index

26  
g-index

36  
ext. papers

848  
ext. citations

4.2  
avg, IF

4.78  
L-index

#	Paper	IF	Citations
31	Pharmaceuticals removal by immobilized laccase on polyvinylidene fluoride nanocomposite with multi-walled carbon nanotubes. <i>Chemosphere</i> , <b>2021</b> , 263, 128043	8.4	39
30	Biological removal of nutrients (N & P) from urban wastewater with a modified integrated fixed-film activated sludge-oxic settling anoxic system using an anoxic sludge holding tank. <i>Water and Environment Journal</i> , <b>2021</b> , 35, 830-846	1.7	1
29	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> , <b>2021</b> , 147, 04020151	2	0
28	Efficiency studies of modified IFAS-OSA system upgraded by an anoxic sludge holding tank.. <i>Scientific Reports</i> , <b>2021</b> , 11, 24205	4.9	0
27	Comparing the efficacy of catalytic ozonation and photocatalytical degradation of cyanide in industrial wastewater using ACF-TiO <sub>2</sub> : catalyst characterisation, degradation kinetics, and degradation mechanism. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2020</b> , 1-20	1.8	1
26	Influence of ultrasonic cell disintegration on excess sludge reduction in a Moving Bed Biofilm Reactor (MBBR). <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 102997	6.8	8
25	Laser irradiation for controlling size of TiO-Zeolite nanocomposite in removal of 2,4-dichlorophenoxyacetic acid herbicide. <i>Water Science and Technology</i> , <b>2019</b> , 80, 864-873	2.2	4
24	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> , <b>2019</b> , 309, 23-33	3.9	2
23	Fabrication and characterization of high-branched recyclable PAMAM dendrimer polymers on the modified magnetic nanoparticles for removing naphthalene from aqueous solutions. <i>Microchemical Journal</i> , <b>2019</b> , 145, 767-777	4.8	19
22	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> , <b>2019</b> , 35, 1-10	1.8	2
21	Superparamagnetic enzyme-graphene oxide magnetic nanocomposite as an environmentally friendly biocatalyst: Synthesis and biodegradation of dye using response surface methodology. <i>Microchemical Journal</i> , <b>2019</b> , 145, 547-558	4.8	15
20	Optimising nutrient removal of a hybrid five-stage Bardenpho and moving bed biofilm reactor process using response surface methodology. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 102861	6.8	19
19	Covalently immobilized laccase onto graphene oxide nanosheets: Preparation, characterization, and biodegradation of azo dyes in colored wastewater. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 276, 153-162	6	90
18	Preparation of activated carbon dots from sugarcane bagasse for naphthalene removal from aqueous solutions. <i>Separation Science and Technology</i> , <b>2018</b> , 53, 2536-2549	2.5	17
17	Simultaneous sulfamethoxazole and trimethoprim removal and biofilm growth characteristics in attached growth bioreactor. <i>International Journal of Environmental Science and Technology</i> , <b>2018</b> , 15, 415-426	3.3	2
16	Application of moving bed biofilm reactor in the removal of pharmaceutical compounds (diclofenac and ibuprofen). <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 5530-5535	6.8	28
15	Photo-Fenton like degradation of catechol using persulfate activated by UV and ferrous ions: Influencing operational parameters and feasibility studies. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 249, 463-469	6	45

14	The use of halophytic plants for salt phytoremediation in constructed wetlands. <i>International Journal of Phytoremediation</i> , <b>2017</b> , 19, 643-650	3.9	25
13	Synthesis of Zero-Valent Iron Nanoparticles Via Electrical Wire Explosion for Efficient Removal of Heavy Metals. <i>Clean - Soil, Air, Water</i> , <b>2017</b> , 45, 1600139	1.6	15
12	Fouling reduction of emulsion polyvinylchloride ultrafiltration membranes blended by PEG: the effect of additive concentration and coagulation bath temperature. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 11931-11944		41
11	Adsorption and oxidation study on arsenite removal from aqueous solutions by polyaniline/polyvinyl alcohol composite. <i>Journal of Water Process Engineering</i> , <b>2016</b> , 14, 101-107	6.7	19
10	Adsorptive removal of petroleum hydrocarbons from aqueous solutions by novel zinc oxide nanoparticles grafted with polymers. <i>Petroleum Science and Technology</i> , <b>2016</b> , 34, 778-784	1.4	
9	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> , <b>2016</b> , 57, 19655-19664		3
8	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> , <b>2016</b> , 18, 72-80	1	5
7	Recovery of cooling tower blowdown water for reuse: The investigation of different types of pretreatment prior nanofiltration and reverse osmosis. <i>Journal of Water Process Engineering</i> , <b>2016</b> , 10, 188-199	6.7	22
6	Application of chitosan-citric acid nanoparticles for removal of chromium (VI). <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 80, 431-44	7.9	67
5	Nitrogen removal from high organic loading wastewater in modified Ludzack-Ettinger configuration MBBR system. <i>Water Science and Technology</i> , <b>2015</b> , 72, 1274-82	2.2	8
4	Utilization of moving bed biofilm reactor for industrial wastewater treatment containing ethylene glycol: kinetic and performance study. <i>Environmental Technology (United Kingdom)</i> , <b>2014</b> , 35, 499-507	2.6	23
3	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> , <b>2012</b> , 66, 594-602	2.2	7
2	Bacterial leaching of a spent MoCoNi refinery catalyst using <i>Acidithiobacillus ferrooxidans</i> and <i>Acidithiobacillus thiooxidans</i> . <i>Hydrometallurgy</i> , <b>2011</b> , 106, 26-31	4	65
1	Removal of chromium from aqueous solution using polyaniline--poly ethylene glycol composite. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 184, 248-254	12.8	127