Mohammad Reza Alavi Moghaddam

List of Publications by Year
in descending order

70 papers	2,907 citations	236612 25 h-index	174990 52 g-index
71 all docs	71 docs citations	71 times ranked	3461 citing authors

#	Article	IF	Citations
1	Coagulation/flocculation process for dye removal using sludge from water treatment plant: Optimization through response surface methodology. Journal of Hazardous Materials, 2010, 175, 651-657.	6.5	532
2	Application of response surface methodology in physicochemical removal of dyes from wastewater: A critical review. Science of the Total Environment, 2018, 640-641, 772-797.	3.9	341
3	Municipal solid waste management in Rasht City, Iran. Waste Management, 2009, 29, 485-489.	3.7	169
4	Techno-economical evaluation of fluoride removal by electrocoagulation process: Optimization through response surface methodology. Desalination, 2011, 271, 209-218.	4.0	167
5	Adsorption of hexavalent chromium from aqueous solutions by wheat bran. International Journal of Environmental Science and Technology, 2008, 5, 161-168.	1.8	158
6	Long-term operation of submerged membrane bioreactor (MBR) for the treatment of synthetic wastewater containing styrene as volatile organic compound (VOC): Effect of hydraulic retention time (HRT). Journal of Hazardous Materials, 2010, 178, 718-724.	6.5	100
7	Evaluation of integrated anaerobic/aerobic fixed-bed sequencing batch biofilm reactor for decolorization and biodegradation of azo dye Acid Red 18: Comparison of using two types of packing media. Bioresource Technology, 2013, 127, 415-421.	4.8	83
8	Post-treatment of anaerobically degraded azo dye Acid Red 18 using aerobic moving bed biofilm process: Enhanced removal of aromatic amines. Journal of Hazardous Materials, 2011, 195, 147-154.	6.5	81
9	Synthesis of MIL-100(Fe)@MIL-53(Fe) as a novel hybrid photocatalyst and evaluation photocatalytic and photoelectrochemical performance under visible light irradiation. Journal of Solid State Chemistry, 2018, 262, 172-180.	1.4	71
10	Techno-economical optimization of Reactive Blue 19 removal by combined electrocoagulation/coagulation process through MOPSO using RSM and ANFIS models. Journal of Environmental Management, 2013, 128, 798-806.	3.8	69
11	Evaluation of direct and alternating current on nitrate removal using a continuous electrocoagulation process: Economical and environmental approaches through RSM. Journal of Environmental Management, 2019, 230, 245-254.	3.8	66
12	Investigation of decolorization kinetics and biodegradation of azo dye Acid Red 18 using sequential process of anaerobic sequencing batch reactor/moving bed sequencing batch biofilm reactor. International Biodeterioration and Biodegradation, 2012, 71, 43-49.	1.9	63
13	Enhancing the adsorption performance of carbon nanotubes with a multistep functionalization method: Optimization of Reactive Blue 19 removal through response surface methodology. Chemical Engineering Research and Design, 2016, 99, 20-29.	2.7	62
14	Response surface optimization of acid red 119 dye from simulated wastewater using Al based waterworks sludge and polyaluminium chloride as coagulant. Journal of Environmental Management, 2011, 92, 1284-1291.	3.8	59
15	Coagulation/flocculation of dye-containing solutions using polyaluminium chloride and alum. Water Science and Technology, 2009, 59, 1343-1351.	1.2	55
16	Mil-100(Fe) nanoparticles supported on urchin like Bi2S3 structure for improving photocatalytic degradation of rhodamine-B dye under visible light irradiation. Journal of Solid State Chemistry, 2018, 266, 54-62.	1.4	53
17	Innovative combined technique for high concentration of azo dye AR18 wastewater treatment using modified SBR and enhanced Fenton process as post treatment. Chemical Engineering Research and Design, 2015, 95, 255-264.	2.7	34
18	REMOVAL OF ACID RED 398 DYE FROM AQUEOUS SOLUTIONS BY COAGULATION/FLOCCULATION PROCESS. Environmental Engineering and Management Journal, 2008, 7, 695-699.	0.2	34

#	Article	IF	Citations
19	Key factors affecting graphene oxide transport in saturated porous media. Science of the Total Environment, 2020, 698, 134224.	3.9	32
20	Effect of important operational parameters on performance of coarse pore filtration activated sludge process. Water Science and Technology, 2002, 46, 229-236.	1.2	30
21	Biological treatment of wastewater containing an azo dye using mixed culture in alternating anaerobic/aerobic sequencing batch reactors. Biotechnology and Bioprocess Engineering, 2012, 17, 875-880.	1.4	30
22	TPH removal from oily wastewater by combined coagulation pretreatment and mechanically induced air flotation. Desalination and Water Treatment, 2015, 53, 300-308.	1.0	30
23	Present situation of wastewater treatment in the Iranian industrial estates: Recycle and reuse as a solution for achieving goals of eco-industrial parks. Resources, Conservation and Recycling, 2014, 92, 172-178.	5.3	29
24	Comparison of three combined sequencing batch reactor followed by enhanced Fenton process for an azo dye degradation: Bio-decolorization kinetics study. Journal of Hazardous Materials, 2015, 299, 343-350.	6.5	28
25	Efficient regeneration/reuse of graphene oxide as a nanoadsorbent for removing basic Red 46 from aqueous solutions. Journal of Molecular Liquids, 2020, 312, 113386.	2.3	27
26	Removal of reactive blue 19 from aqueous solution by pomegranate residual-based activated carbon: optimization by response surface methodology. Journal of Environmental Health Science & Engineering, 2014, 12, 65.	1.4	25
27	Improvement of the /Taguchi/ design optimization using artificial intelligence in three acid azo dyes removal by electrocoagulation. Environmental Progress and Sustainable Energy, 2015, 34, 1568-1575.	1.3	25
28	Assessment of sustainability of a hybrid of advanced treatment technologies for recycling industrial wastewater in developing countries: Case study of Iranian industrial parks. Journal of Cleaner Production, 2018, 170, 1136-1150.	4.6	24
29	Aerobic Granular Sludge for Dye Biodegradation in a Sequencing Batch Reactor With Anaerobic/Aerobic Cycles. Clean - Soil, Air, Water, 2016, 44, 438-443.	0.7	22
30	Amino-functionalized MIL-101(Cr) photodegradation enhancement by sulfur-enriched copper sulfide nanoparticles: An experimental and DFT study. Journal of Molecular Liquids, 2020, 319, 114341.	2.3	22
31	Optimization of Acid Black 172 decolorization by electrocoagulation using response surface methodology. Iranian Journal of Environmental Health Science & Engineering, 2012, 9, 23.	1.8	21
32	Successful treatment of high azo dye concentration wastewater using combined anaerobic/aerobic granular activated carbon-sequencing batch biofilm reactor (GAC-SBBR): simultaneous adsorption and biodegradation processes. Water Science and Technology, 2013, 67, 1816-1821.	1.2	20
33	Evaluating electrocoagulation pretreatment prior to reverse osmosis system for simultaneous scaling and colloidal fouling mitigation: Application of RSM in performance and cost optimization. Journal of Water Process Engineering, 2020, 35, 101201.	2.6	20
34	Study on the removal of acid dyes using chitosan as a natural coagulant/coagulant aid. Water Science and Technology, 2011, 63, 403-409.	1.2	19
35	Response Surface Optimization of Acid Red 119 Dye Adsorption by Mixtures of Dried Sewage Sludge and Sewage Sludge Ash. Clean - Soil, Air, Water, 2012, 40, 652-660.	0.7	17
36	Performance of coarse pore filtration activated sludge system. Water Science and Technology, 2002, 46, 71-76.	1.2	16

#	Article	IF	Citations
37	Filter clogging in coarse pore filtration activated sludge process under high MLSS concentration. Water Science and Technology, 2006, 54, 55-66.	1.2	15
38	Operation of integrated sequencing batch membrane bioreactor treating dye-containing wastewater at different SRTs: study of overall performance and fouling behavior. Environmental Science and Pollution Research, 2015, 22, 5931-5942.	2.7	14
39	Cultivation of aerobic granules under different pre-anaerobic reaction times in sequencing batch reactors. Separation and Purification Technology, 2015, 142, 149-154.	3.9	14
40	Techno-economical evaluation of nitrate removal using continuous flow electro-coagulation process: optimization by Taguchi model. Water Science and Technology: Water Supply, 2017, 17, 1703-1711.	1.0	14
41	Simultaneous removal of nitrate and nitrite using electrocoagulation/floatation (ECF): A new multi-response optimization approach. Journal of Environmental Management, 2019, 250, 109489.	3.8	14
42	APPLICATION OF WOOD WASTE FOR REMOVAL OF REACTIVE BLUE 19 FROM AQUEOUS SOLUTIONS: OPTIMIZATION THROUGH RESPONSE SURFACE METHODOLOGY. Environmental Engineering and Management Journal, 2012, 11, 795-804.	0.2	14
43	Phytoremediation of Arsenic by Macroalga: Implication in Natural Contaminated Water, Northeast Iran. Journal of Applied Sciences, 2007, 7, 1614-1619.	0.1	14
44	The role of environmental engineering education in sustainable development in Iran. International Journal of Sustainability in Higher Education, 2007, 8, 123-130.	1.6	13
45	A comparison study on Acid Red 119 dye removal using two different types of waterworks sludge. Water Science and Technology, 2010, 61, 1673-1681.	1.2	13
46	Removal of an anionic reactive dye from aqueous solution using functionalized multi-walled carbon nanotubes: isotherm and kinetic studies. Desalination and Water Treatment, 2016, 57, 16643-16652.	1.0	13
47	Evaluation of energy and electrode consumption of Acid Red 18 removal using electrocoagulation process through RSM: alternating and direct current. Environmental Science and Pollution Research, 2021, 28, 67214-67223.	2.7	11
48	Less energy and material consumption in an electrocoagulation system using AC waveform instead of DC for nickel removal: Process optimization through RSM. Chemical Engineering and Processing: Process Intensification, 2022, 174, 108869.	1.8	10
49	Report: Future industrial solid waste management in Pars Special Economic Energy Zone (PSEEZ), Iran. Waste Management and Research, 2006, 24, 283-288.	2.2	9
50	Investigation of enhanced Fenton process (EFP) in color and COD removal of wastewater containing Acid Red 18 by response surface methodology: evaluation of EFP as post treatment. Desalination and Water Treatment, 2016, 57, 14083-14092.	1.0	9
51	A COMPARATIVE STUDY ON REMOVAL OF FOUR TYPES OF ACID AZO DYES USING ELECTROCOAGULATION PROCESS. Environmental Engineering and Management Journal, 2014, 13, 557-564.	0.2	9
52	Improvement of electrocoagulation process on hexavalent chromium removal with the use of polyaluminum chloride as coagulant. Desalination and Water Treatment, 2014, 52, 4818-4829.	1.0	8
53	ENVIRONMENTAL ENGINEERING EDUCATION IN IRAN: NEEDS, PROBLEMS AND SOLUTIONS. Environmental Engineering and Management Journal, 2008, 7, 775-779.	0.2	7
54	Vertical oil dispersion profile under non-breaking regular waves. Environmental Fluid Mechanics, 2016, 16, 833-844.	0.7	6

#	Article	IF	Citations
55	Investigation of HRT effects on membrane fouling in sequencing batch membrane bioreactor with respect to batch filtration mode. Environmental Progress and Sustainable Energy, 2017, 36, 1785-1793.	1.3	6
56	TECHNO-ECONOMICAL EVALUATION OF HEXAVALENT CHROMIUM REMOVAL BY ELECTROCOAGULATION PROCESS WITH THE AID OF POLYALUMINUM CHLORIDE AS COAGULANT: OPTIMIZATION THROUGH RESPONSE SURFACE METHODOLOGY. Environmental Engineering and Management Journal, 2017, 16, 93-104.	0.2	6
57	APPLICATION OF ARTIFICIAL NEURAL NETWORK ON MODELING OF REACTIVE BLUE 19 REMOVAL BY MODIFIED POMEGRANATE RESIDUAL. Environmental Engineering and Management Journal, 2017, 16, 2113-2122.	0.2	6
58	Investigating the influence of elongated anaerobic feeding strategy on aerobic sludge granulation and characteristics in sequencing batch reactor. Water Science and Technology, 2014, 70, 249-255.	1.2	5
59	The effects of microwave regeneration on adsorptive performance of functionalized carbon nanotubes. Water Science and Technology, 2016, 73, 2638-2643.	1.2	5
60	Decolorization kinetics and characteristics of the azo dye acid red 18 in MSBR system at various HRTs and SRTs. Membrane Water Treatment, 2014, 5, 281-293.	0.5	5
61	PUBLIC AWARENESS AND PERFORMANCE REGARDING NITRATE POLLUTION IN NITRATE-POLLUTED AREA OF TEHRAN, IRAN. Environmental Engineering and Management Journal, 2014, 13, 611-617.	0.2	5
62	Performance and microbial dynamics in the coarse pore filtration activated sludge process at different SRTs (solids retention times). Water Science and Technology, 2003, 47, 73-80.	1.2	4
63	Mid-depth oil concentration due to vertical oil dispersion in a regular wave field. Environmental Fluid Mechanics, 2016, 16, 335-346.	0.7	4
64	Performance of novel GO-Gly/HNTs and GO-GG/HNTs nanocomposites for removal of Pb(II) from water: optimization based on the RSM-CCD model. Environmental Science and Pollution Research, 2022, 29, 9124-9141.	2.7	4
65	AEROBIC SEQUENCING BATCH REACTOR SYSTEM WITH GRANULAR ACTIVATED CARBON FOR THE TREATMENT OF WASTEWATER CONTAINING A REACTIVE DYE. Environmental Engineering and Management Journal, 2010, 9, 407-411.	0.2	4
66	Evaluation of nitrate concentration in groundwater and drinking water distribution network of Robat-Karim City, Tehran Province, Iran. Water Practice and Technology, 2012, 7, .	1.0	3
67	Effects of operational parameters on defluoridation efficiency using electrocoagulation process. Water Practice and Technology, 2011, 6, .	1.0	2
68	FEASIBILITY STUDY OF SEVERAL CYCLIC ANAEROBIC/AEROBIC CONDITIONS IN SBR SYSTEM FOR TREATING OF SIMULATED DYE (REACTIVE BLUE19) WASTEWATER. Environmental Engineering and Management Journal, 2012, 11, 617-621.	0.2	1
69	TREATMENT OF AN AZO DYE - CONTAINING WASTEWATER IN INTEGRATED ANAEROBIC-AEROBIC MEMBRANE SEQUENCING BATCH REACTOR (MSBR) AT DIFFERENT HYDRAULIC RETENTION TIMES (HRTS). Environmental Engineering and Management Journal, 2018, 17, 2667-2676.	0.2	1
70	COMPARISON OF DIFFERENT DURATION OF ANAEROBIC AND AEROBIC PHASES ON ACID RED 18 REMOVAL IN SEQUENCING BATCH REACTORS. Environmental Engineering and Management Journal, 2016, 15, 2529-2535.	0.2	0