

Mohammad Reza Alavi Moghaddam

List of Publications by Year in descending order

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70
papers

2,907
citations

236612

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174990

52
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71
all docs

71
docs citations

71
times ranked

3461
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Environmental Science and Pollution Research</i> , 2022, 29, 9124-9141.	2.7	4
2	Less energy and material consumption in an electrocoagulation system using AC waveform instead of DC for nickel removal: Process optimization through RSM. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 174, 108869.	1.8	10
3	Evaluation of energy and electrode consumption of Acid Red 18 removal using electrocoagulation process through RSM: alternating and direct current. <i>Environmental Science and Pollution Research</i> , 2021, 28, 67214-67223.	2.7	11
4	Key factors affecting graphene oxide transport in saturated porous media. <i>Science of the Total Environment</i> , 2020, 698, 134224.	3.9	32
5	Amino-functionalized MIL-101(Cr) photodegradation enhancement by sulfur-enriched copper sulfide nanoparticles: An experimental and DFT study. <i>Journal of Molecular Liquids</i> , 2020, 319, 114341.	2.3	22
6	Evaluating electrocoagulation pretreatment prior to reverse osmosis system for simultaneous scaling and colloidal fouling mitigation: Application of RSM in performance and cost optimization. <i>Journal of Water Process Engineering</i> , 2020, 35, 101201.	2.6	20
7	Efficient regeneration/reuse of graphene oxide as a nanoadsorbent for removing basic Red 46 from aqueous solutions. <i>Journal of Molecular Liquids</i> , 2020, 312, 113386.	2.3	27
8	Simultaneous removal of nitrate and nitrite using electrocoagulation/floatation (ECF): A new multi-response optimization approach. <i>Journal of Environmental Management</i> , 2019, 250, 109489.	3.8	14
9	Evaluation of direct and alternating current on nitrate removal using a continuous electrocoagulation process: Economical and environmental approaches through RSM. <i>Journal of Environmental Management</i> , 2019, 230, 245-254.	3.8	66
10	Synthesis of MIL-100(Fe)@MIL-53(Fe) as a novel hybrid photocatalyst and evaluation photocatalytic and photoelectrochemical performance under visible light irradiation. <i>Journal of Solid State Chemistry</i> , 2018, 262, 172-180.	1.4	71
11	Assessment of sustainability of a hybrid of advanced treatment technologies for recycling industrial wastewater in developing countries: Case study of Iranian industrial parks. <i>Journal of Cleaner Production</i> , 2018, 170, 1136-1150.	4.6	24
12	Mil-100(Fe) nanoparticles supported on urchin like Bi ₂ S ₃ structure for improving photocatalytic degradation of rhodamine-B dye under visible light irradiation. <i>Journal of Solid State Chemistry</i> , 2018, 266, 54-62.	1.4	53
13	Application of response surface methodology in physicochemical removal of dyes from wastewater: A critical review. <i>Science of the Total Environment</i> , 2018, 640-641, 772-797.	3.9	341
14	TREATMENT OF AN AZO DYE - CONTAINING WASTEWATER IN INTEGRATED ANAEROBIC-AEROBIC MEMBRANE SEQUENCING BATCH REACTOR (MSBR) AT DIFFERENT HYDRAULIC RETENTION TIMES (HRTS). <i>Environmental Engineering and Management Journal</i> , 2018, 17, 2667-2676.	0.2	1
15	Investigation of HRT effects on membrane fouling in sequencing batch membrane bioreactor with respect to batch filtration mode. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1785-1793.	1.3	6
16	Techno-economical evaluation of nitrate removal using continuous flow electro-coagulation process: optimization by Taguchi model. <i>Water Science and Technology: Water Supply</i> , 2017, 17, 1703-1711.	1.0	14
17	TECHNO-ECONOMICAL EVALUATION OF HEXAVALENT CHROMIUM REMOVAL BY ELECTROCOAGULATION PROCESS WITH THE AID OF POLYALUMINUM CHLORIDE AS COAGULANT: OPTIMIZATION THROUGH RESPONSE SURFACE METHODOLOGY. <i>Environmental Engineering and Management Journal</i> , 2017, 16, 93-104.	0.2	6
18	APPLICATION OF ARTIFICIAL NEURAL NETWORK ON MODELING OF REACTIVE BLUE 19 REMOVAL BY MODIFIED POMEGRANATE RESIDUAL. <i>Environmental Engineering and Management Journal</i> , 2017, 16, 2113-2122.	0.2	6

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19	The effects of microwave regeneration on adsorptive performance of functionalized carbon nanotubes. <i>Water Science and Technology</i> , 2016, 73, 2638-2643.	1.2	5
20	Vertical oil dispersion profile under non-breaking regular waves. <i>Environmental Fluid Mechanics</i> , 2016, 16, 833-844.	0.7	6
21	Aerobic Granular Sludge for Dye Biodegradation in a Sequencing Batch Reactor With Anaerobic/Aerobic Cycles. <i>Clean - Soil, Air, Water</i> , 2016, 44, 438-443.	0.7	22
22	Mid-depth oil concentration due to vertical oil dispersion in a regular wave field. <i>Environmental Fluid Mechanics</i> , 2016, 16, 335-346.	0.7	4
23	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. <i>Desalination and Water Treatment</i> , 2016, 57, 14083-14092.	1.0	9
24	Enhancing the adsorption performance of carbon nanotubes with a multistep functionalization method: Optimization of Reactive Blue 19 removal through response surface methodology. <i>Chemical Engineering Research and Design</i> , 2016, 99, 20-29.	2.7	62
25	Removal of an anionic reactive dye from aqueous solution using functionalized multi-walled carbon nanotubes: isotherm and kinetic studies. <i>Desalination and Water Treatment</i> , 2016, 57, 16643-16652.	1.0	13
26	COMPARISON OF DIFFERENT DURATION OF ANAEROBIC AND AEROBIC PHASES ON ACID RED 18 REMOVAL IN SEQUENCING BATCH REACTORS. <i>Environmental Engineering and Management Journal</i> , 2016, 15, 2529-2535.	0.2	0
27	Improvement of the /Taguchi/ design optimization using artificial intelligence in three acid azo dyes removal by electrocoagulation. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 1568-1575.	1.3	25
28	TPH removal from oily wastewater by combined coagulation pretreatment and mechanically induced air flotation. <i>Desalination and Water Treatment</i> , 2015, 53, 300-308.	1.0	30
29	Operation of integrated sequencing batch membrane bioreactor treating dye-containing wastewater at different SRTs: study of overall performance and fouling behavior. <i>Environmental Science and Pollution Research</i> , 2015, 22, 5931-5942.	2.7	14
30	Cultivation of aerobic granules under different pre-anaerobic reaction times in sequencing batch reactors. <i>Separation and Purification Technology</i> , 2015, 142, 149-154.	3.9	14
31	Comparison of three combined sequencing batch reactor followed by enhanced Fenton process for an azo dye degradation: Bio-decolorization kinetics study. <i>Journal of Hazardous Materials</i> , 2015, 299, 343-350.	6.5	28
32	Innovative combined technique for high concentration of azo dye AR18 wastewater treatment using modified SBR and enhanced Fenton process as post treatment. <i>Chemical Engineering Research and Design</i> , 2015, 95, 255-264.	2.7	34
33	Improvement of electrocoagulation process on hexavalent chromium removal with the use of polyaluminum chloride as coagulant. <i>Desalination and Water Treatment</i> , 2014, 52, 4818-4829.	1.0	8
34	Investigating the influence of elongated anaerobic feeding strategy on aerobic sludge granulation and characteristics in sequencing batch reactor. <i>Water Science and Technology</i> , 2014, 70, 249-255.	1.2	5
35	Present situation of wastewater treatment in the Iranian industrial estates: Recycle and reuse as a solution for achieving goals of eco-industrial parks. <i>Resources, Conservation and Recycling</i> , 2014, 92, 172-178.	5.3	29
36	Removal of reactive blue 19 from aqueous solution by pomegranate residual-based activated carbon: optimization by response surface methodology. <i>Journal of Environmental Health Science & Engineering</i> , 2014, 12, 65.	1.4	25

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37	Decolorization kinetics and characteristics of the azo dye acid red 18 in MSBR system at various HRTs and SRTs. <i>Membrane Water Treatment</i> , 2014, 5, 281-293.	0.5	5
38	A COMPARATIVE STUDY ON REMOVAL OF FOUR TYPES OF ACID AZO DYES USING ELECTROCOAGULATION PROCESS. <i>Environmental Engineering and Management Journal</i> , 2014, 13, 557-564.	0.2	9
39	PUBLIC AWARENESS AND PERFORMANCE REGARDING NITRATE POLLUTION IN NITRATE-POLLUTED AREA OF TEHRAN, IRAN. <i>Environmental Engineering and Management Journal</i> , 2014, 13, 611-617.	0.2	5
40	Techno-economical optimization of Reactive Blue 19 removal by combined electrocoagulation/coagulation process through MOPSO using RSM and ANFIS models. <i>Journal of Environmental Management</i> , 2013, 128, 798-806.	3.8	69
41	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. <i>Water Science and Technology</i> , 2013, 67, 1816-1821.	1.2	20
42	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. <i>Bioresource Technology</i> , 2013, 127, 415-421.	4.8	83
43	Evaluation of nitrate concentration in groundwater and drinking water distribution network of Robat-Karim City, Tehran Province, Iran. <i>Water Practice and Technology</i> , 2012, 7, .	1.0	3
44	Biological treatment of wastewater containing an azo dye using mixed culture in alternating anaerobic/aerobic sequencing batch reactors. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 875-880.	1.4	30
45	Optimization of Acid Black 172 decolorization by electrocoagulation using response surface methodology. <i>Iranian Journal of Environmental Health Science & Engineering</i> , 2012, 9, 23.	1.8	21
46	Response Surface Optimization of Acid Red 119 Dye Adsorption by Mixtures of Dried Sewage Sludge and Sewage Sludge Ash. <i>Clean - Soil, Air, Water</i> , 2012, 40, 652-660.	0.7	17
47	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. <i>International Biodeterioration and Biodegradation</i> , 2012, 71, 43-49.	1.9	63
48	FEASIBILITY STUDY OF SEVERAL CYCLIC ANAEROBIC/AEROBIC CONDITIONS IN SBR SYSTEM FOR TREATING OF SIMULATED DYE (REACTIVE BLUE19) WASTEWATER. <i>Environmental Engineering and Management Journal</i> , 2012, 11, 617-621.	0.2	1
49	APPLICATION OF WOOD WASTE FOR REMOVAL OF REACTIVE BLUE 19 FROM AQUEOUS SOLUTIONS: OPTIMIZATION THROUGH RESPONSE SURFACE METHODOLOGY. <i>Environmental Engineering and Management Journal</i> , 2012, 11, 795-804.	0.2	14
50	Study on the removal of acid dyes using chitosan as a natural coagulant/coagulant aid. <i>Water Science and Technology</i> , 2011, 63, 403-409.	1.2	19
51	Effects of operational parameters on defluoridation efficiency using electrocoagulation process. <i>Water Practice and Technology</i> , 2011, 6, .	1.0	2
52	Post-treatment of anaerobically degraded azo dye Acid Red 18 using aerobic moving bed biofilm process: Enhanced removal of aromatic amines. <i>Journal of Hazardous Materials</i> , 2011, 195, 147-154.	6.5	81
53	Response surface optimization of acid red 119 dye from simulated wastewater using Al based waterworks sludge and polyaluminium chloride as coagulant. <i>Journal of Environmental Management</i> , 2011, 92, 1284-1291.	3.8	59
54	Techno-economical evaluation of fluoride removal by electrocoagulation process: Optimization through response surface methodology. <i>Desalination</i> , 2011, 271, 209-218.	4.0	167

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55	Coagulation/flocculation process for dye removal using sludge from water treatment plant: Optimization through response surface methodology. <i>Journal of Hazardous Materials</i> , 2010, 175, 651-657.	6.5	532
56	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). <i>Journal of Hazardous Materials</i> , 2010, 178, 718-724.	6.5	100
57	A comparison study on Acid Red 119 dye removal using two different types of waterworks sludge. <i>Water Science and Technology</i> , 2010, 61, 1673-1681.	1.2	13
58	AEROBIC SEQUENCING BATCH REACTOR SYSTEM WITH GRANULAR ACTIVATED CARBON FOR THE TREATMENT OF WASTEWATER CONTAINING A REACTIVE DYE. <i>Environmental Engineering and Management Journal</i> , 2010, 9, 407-411.	0.2	4
59	Municipal solid waste management in Rasht City, Iran. <i>Waste Management</i> , 2009, 29, 485-489.	3.7	169
60	Coagulation/flocculation of dye-containing solutions using polyaluminium chloride and alum. <i>Water Science and Technology</i> , 2009, 59, 1343-1351.	1.2	55
61	Adsorption of hexavalent chromium from aqueous solutions by wheat bran. <i>International Journal of Environmental Science and Technology</i> , 2008, 5, 161-168.	1.8	158
62	REMOVAL OF ACID RED 398 DYE FROM AQUEOUS SOLUTIONS BY COAGULATION/FLOCCULATION PROCESS. <i>Environmental Engineering and Management Journal</i> , 2008, 7, 695-699.	0.2	34
63	ENVIRONMENTAL ENGINEERING EDUCATION IN IRAN: NEEDS, PROBLEMS AND SOLUTIONS. <i>Environmental Engineering and Management Journal</i> , 2008, 7, 775-779.	0.2	7
64	The role of environmental engineering education in sustainable development in Iran. <i>International Journal of Sustainability in Higher Education</i> , 2007, 8, 123-130.	1.6	13
65	Phytoremediation of Arsenic by Macroalga: Implication in Natural Contaminated Water, Northeast Iran. <i>Journal of Applied Sciences</i> , 2007, 7, 1614-1619.	0.1	14
66	Filter clogging in coarse pore filtration activated sludge process under high MLSS concentration. <i>Water Science and Technology</i> , 2006, 54, 55-66.	1.2	15
67	Report: Future industrial solid waste management in Pars Special Economic Energy Zone (PSEEZ), Iran. <i>Waste Management and Research</i> , 2006, 24, 283-288.	2.2	9
68	Performance and microbial dynamics in the coarse pore filtration activated sludge process at different SRTs (solids retention times). <i>Water Science and Technology</i> , 2003, 47, 73-80.	1.2	4
69	Performance of coarse pore filtration activated sludge system. <i>Water Science and Technology</i> , 2002, 46, 71-76.	1.2	16
70	Effect of important operational parameters on performance of coarse pore filtration activated sludge process. <i>Water Science and Technology</i> , 2002, 46, 229-236.	1.2	30