Mohammad Malakootian

List of Publications by Year in descending order

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117 papers

2,934 citations

172457 29 h-index 214800 47 g-index

121 all docs

121 docs citations

times ranked

121

2725 citing authors

#	Article	IF	Citations
1	Determination and seasonal analysis of physicochemical characterization and metal(oid)s of landfill leachate in Bushehr port along the Persian Gulf. Toxin Reviews, 2023, 42, 161-175.	3.4	9
2	Correlation between heavy metal concentration and oxidative potential of street dust. Air Quality, Atmosphere and Health, 2022, 15, 731-738.	3.3	13
3	Ecological and Probabilistic Health Risk Assessment of Heavy Metals in Topsoils, Southeast of Iran. Bulletin of Environmental Contamination and Toxicology, 2022, 108, 737-744.	2.7	4
4	Association of As, Pb, Cr, and Zn urinary heavy metals levels with predictive indicators of cardiovascular disease and obesity in children and adolescents. Chemosphere, 2022, 294, 133664.	8.2	38
5	Synthesis of Fe3O4@PAC as a magnetic nano-composite for adsorption of dibutyl phthalate from the aqueous medium: Modeling, analysis and optimization using the response surface methodology. Surfaces and Interfaces, 2022, 31, 101981.	3.0	9
6	Occurrence, seasonal distribution, and ecological risk assessment of microplastics and phthalate esters in leachates of a landfill site located near the marine environment: Bushehr port, Iran as a case. Science of the Total Environment, 2022, 842, 156838.	8.0	85
7	Spatial distribution and correlations among elements in smaller than 75Âμm street dust: ecological and probabilistic health risk assessment. Environmental Geochemistry and Health, 2021, 43, 567-583.	3.4	24
8	Electrochemical determination of hydroxylamine in water samples using modified screen-printed electrode with TiO2/GO. International Journal of Environmental Analytical Chemistry, 2021, 101, 35-47.	3. 3	5
9	Degradation of Ciprofloxacin Using Ultrasound/ZnO/Oxone Process from Aqueous Solution-Lab-Scale Analysis and Optimization. BioNanoScience, 2021, 11, 306-313.	3.5	6
10	Removal efficiency of phenol by ozonation process with calcium peroxide from aqueous solutions. Applied Water Science, 2021, 11 , 1 .	5.6	13
11	The removal of tetracycline with biogenic CeO2 nanoparticles in combination with US/PMS process from aqueous solutions: kinetics and mechanism. Water Science and Technology, 2021, 83, 1470-1482.	2.5	12
12	CoFe2O4@Methylcelloluse as a New Magnetic Nano Biocomposite for Sonocatalytic Degradation of Reactive Blue 19. Journal of Polymers and the Environment, 2021, 29, 2660-2675.	5.0	34
13	CoFe2O4@methylcellulose synthesized as a new magnetic nanocomposite to tetracycline adsorption: modeling, analysis, and optimization by response surface methodology. Journal of Polymer Research, 2021, 28, 1.	2.4	33
14	Novel catalytic degradation of Diazinon with ozonation/mg-Al layered double hydroxides: optimization, modeling, and dispersive liquid–liquid microextraction. Journal of Environmental Health Science & Engineering, 2021, 19, 1299-1311.	3.0	5
15	Advanced treatment of effluent extended aeration process using biological aerated filter (BAF) with natural media: modification in media, design and backwashing process. AMB Express, 2021, 11, 100.	3.0	5
16	Effect of titanium dioxide nanoparticles on DNA methylation of human peripheral blood mononuclear cells. Toxicology Research, 2021, 10, 1045-1051.	2.1	7
17	Synthesis of Fe ₃ O ₄ nanoparticles @Trioctylmethylammonium thiosalicylat (TOMATS) as a new magnetic nanoadsorbent for adsorption of ciprofloxacin in aqueous solution. Zeitschrift Fur Physikalische Chemie, 2021, 235, 885-908.	2.8	4
18	Synergetic metronidazole removal from aqueous solutions using combination of electro-persulfate process with magnetic Fe ₃ 0 ₄ @AC nanocomposites: nonlinear fitting of isotherms and kinetic models. Zeitschrift Fur Physikalische Chemie, 2021, 235, 1297-1321.	2.8	2

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19	Green synthesis and application of heterogeneous iron oxide based nanoparticles for dairy wastewater treatment by Photo-Fenton processes. Zeitschrift Fur Physikalische Chemie, 2021, 235, 683-705.	2.8	1
20	Photocatalytic degradation of ciprofloxacin antibiotic by TiO ₂ nanoparticles immobilized on a glass plate. Chemical Engineering Communications, 2020, 207, 56-72.	2.6	140
21	A study on the photocatalytic degradation of <i>p</i> -Nitroaniline on glass plates by Thermo-Immobilized ZnO nanoparticle. Inorganic and Nano-Metal Chemistry, 2020, 50, 124-135.	1.6	45
22	Photooxidation Process Efficiency (UV/O ₃) for <i>P</i> -nitroaniline Removal from Aqueous Solutions. Ozone: Science and Engineering, 2020, 42, 420-427.	2.5	13
23	Removal of Phenol from Steel Plant Wastewater in Three Dimensional Electrochemical (TDE) Process using CoFe ₂ O ₄ @AC/H ₂ O ₂ . Zeitschrift Fur Physikalische Chemie, 2020, 234, 1661-1679.	2.8	26
24	Biogenic Silver Nanoparticles/Hydrogen Peroxide/Ozone: Efficient Degradation of Reactive Blue 19. BioNanoScience, 2020, 10, 34-41.	3.5	9
25	Advanced oxidation processes for the removal of organophosphorus pesticides in aqueous matrices: A systematic review and meta-analysis. Chemical Engineering Research and Design, 2020, 134, 292-307.	5.6	116
26	Efficiency of novel Fe/charcoal/ultrasonic micro-electrolysis strategy in the removal of Acid Red 18 from aqueous solutions. Journal of Environmental Chemical Engineering, 2020, 8, 103553.	6.7	27
27	Degradation of p-nitroaniline from aqueous solutions using ozonation/Mg-Al layered double hydroxides integrated with the sequencing batch moving bed biofilm reactor. Journal of the Taiwan Institute of Chemical Engineers, 2020, 113, 241-252.	5. 3	8
28	Pd nanoparticles supported on Fe3O4@SiO2-Schiff base as an efficient magnetically recoverable nanocatalyst for Suzuki–Miyaura coupling reaction. Research on Chemical Intermediates, 2020, 46, 4595-4609.	2.7	21
29	Removal of heavy metals by Escherichia coli (E. coli) biofilm placed on zeolite from aqueous solutions (case study: the wastewater of Kerman Bahonar Copper Complex). Applied Water Science, 2020, 10, 1.	5.6	15
30	Study of radon concentration of drinking water sources in adjacent areas of Sabzevaran fault. Journal of Radioanalytical and Nuclear Chemistry, 2020, 326, 1437-1446.	1.5	6
31	Studying radon concentration in drinking water resources in Zarand city (Iran) and its villages. Journal of Radioanalytical and Nuclear Chemistry, 2020, 326, 33-39.	1.5	6
32	[TBP]2SO4 ionic liquid catalyst for 4MCR of pyridazinoindazole, indazolophthalazine and pyrazolophthalazine derivatives. Molecular Diversity, 2020, , $1.$	3.9	5
33	Introducing new and effective catalysts for the synthesis of pyridazino[1,2-a]indazole, indazolo[2,1-b]phthalazine and pyrazolo[1,2-b]phthalazine derivatives. MethodsX, 2020, 7, 100823.	1.6	3
34	Evaluation of the activated carbon coated with multiwalled carbon nanotubes in removal of ciprofloxacin from aqueous solutions. Applied Water Science, 2020, 10, 1.	5.6	25
35	Purification of diazinon pesticide by sequencing batch moving-bed biofilm reactor after ozonation/Mg-Al layered double hydroxides pre-treated effluent. Separation and Purification Technology, 2020, 242, 116754.	7.9	30
36	lonic liquid-assisted sol-gel synthesis of Fe2O3-TiO2 for enhanced photocatalytic degradation of bisphenol a under UV illumination: Modeling and optimization using response surface methodology. Optik, 2020, 204, 164229.	2.9	14

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37	Evaluating Nanoparticles Decorated on Fe3O4@SiO2-Schiff Base (Fe3O4@SiO2-APTMS-HBA) in Adsorption of Ciprofloxacin from Aqueous Environments. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 3540-3551.	3.7	32
38	Efficiency of ozonation process with calcium peroxide in removing heavy metals (Pb, Cu, Zn, Ni, Cd) from aqueous solutions. SN Applied Sciences, 2020, 2, 1.	2.9	30
39	Investigation of physicochemical parameters in drinking water resources and health risk assessment: a case study in NW Iran. Environmental Earth Sciences, 2020, 79, 1.	2.7	28
40	Green synthesis and application of heterogeneous iron oxide based nanoparticles for dairy wastewater treatment by Photo-Fenton processes. Zeitschrift Fur Physikalische Chemie, 2020, .	2.8	0
41	Experimental data on the removal of phenol by electro-H2O2 in presence of UV with response surface methodology. MethodsX, 2019, 6, 1188-1193.	1.6	27
42	Preparation and characterization of Fe/TiO2 in the presence of ionic liquid to optimize the photocatalytic degradation of acetaminophen using the response surface methodology. Journal of Materials Science: Materials in Electronics, 2019, 30, 14878-14889.	2.2	7
43	Ciprofloxacin removal by electro-activated persulfate in aqueous solution using iron electrodes. Applied Water Science, 2019, 9, 1.	5 . 6	29
44	A facile and green method for synthesis of ZnFe2O4@CMC as a new magnetic nanophotocatalyst for ciprofloxacin removal from aqueous media. MethodsX, 2019, 6, 1575-1580.	1.6	30
45	Removal of metronidazole from wastewater by Fe/charcoal micro electrolysis fluidized bed reactor. Journal of Environmental Chemical Engineering, 2019, 7, 103457.	6.7	57
46	Removal of ciprofloxacin from aqueous solution by electro-activated persulfate oxidation using aluminum electrodes. Water Science and Technology, 2019, 80, 587-596.	2.5	16
47	Removal of antibiotics from aqueous solutions by nanoparticles: a systematic review and meta-analysis. Environmental Science and Pollution Research, 2019, 26, 8444-8458.	5.3	90
48	Optimization of ciprofloxacin removal from aqueous solutions by a novel semi-fluid Fe/charcoal micro-electrolysis reactor using response surface methodology. Chemical Engineering Research and Design, 2019, 123, 299-308.	5.6	25
49	Facile and green synthesis of ZnFe2O4@CMC as a new magnetic nanophotocatalyst for ciprofloxacin degradation from aqueous media. Chemical Engineering Research and Design, 2019, 129, 138-151.	5 . 6	83
50	Evaluation of Clay Soil Efficacy Carrying Zero-Valent Iron Nanoparticles to Remove Nitrate From Aqueous Solutions. Journal of Water Chemistry and Technology, 2019, 41, 29-35.	0.6	5
51	Comparison of Optimal Hedging Policies for Hydropower Reservoir System Operation. Water (Switzerland), 2019, 11, 121.	2.7	14
52	Removal Efficiency of Cu2+ and Zn2+ from Industrial Wastewater by Using Microbial Desalination Cell. Journal of Water Chemistry and Technology, 2019, 41, 334-339.	0.6	5
53	ZnO nanoparticles immobilized on the surface of stones to study the removal efficiency of 4-nitroaniline by the hybrid advanced oxidation process (UV/ZnO/O3). Journal of Molecular Structure, 2019, 1176, 766-776.	3.6	66
54	Degradation and removal of p-nitroaniline from aqueous solutions using a novel semi-fluid Fe/charcoal micro-electrolysis reactor. Korean Journal of Chemical Engineering, 2019, 36, 217-225.	2.7	16

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55	Optimizing the photocatalytic process of removing diazinon pesticide from aqueous solutions and effluent toxicity assessment via a response surface methodology approach. Rendiconti Lincei, 2019, 30, 155-165.	2.2	15
56	Photocatalytic ozonation degradation of ciprofloxacin using ZnO nanoparticles immobilized on the surface of stones. Journal of Dispersion Science and Technology, 2019, 40, 846-854.	2.4	52
57	Potential impact of global warming on river runoff coming to Jor reservoir, Malaysia by integration of LARS-WG with artificial neural networks. Environmental Health Engineering and Management, 2019, 6, 139-149.	0.7	2
58	Adsorption of Sulfur Dioxide on Clinoptilolite/Nano Iron Oxide and Natural Clinoptilolite. Health Scope, 2019, In Press, .	0.6	15
59	Investigation of the efficiency of microbial desalination cell in removal of arsenic from aqueous solutions. Desalination, 2018, 438, 19-23.	8.2	36
60	Modeling photocatalytic degradation of diazinon from aqueous solutions and effluent toxicity risk assessment using Escherichia coli LMG 15862. AMB Express, 2018, 8, 59.	3.0	14
61	Comparison Studies of Raw and Oxidized Multi-Walled Carbon Nanotubes H2SO4/HNO3 to Remove p-Nitroaniline from Aqueous Solution. Journal of Water Chemistry and Technology, 2018, 40, 327-333.	0.6	7
62	Preparation of CoFe2O4/activated carbon@chitosan as a new magnetic nanobiocomposite for adsorption of ciprofloxacin in aqueous solutions. Water Science and Technology, 2018, 78, 2158-2170.	2.5	80
63	Reactive orange 16 dye adsorption from aqueous solutions by psyllium seed powder as a low-cost biosorbent: kinetic and equilibrium studies. Applied Water Science, 2018, 8, 1.	5.6	39
64	Preparation and characterization of modified sepiolite for the removal of Acid green 20 from aqueous solutions: isotherm, kinetic and process optimization. Applied Water Science, 2018, 8, 1.	5.6	16
65	Removal of phenol from steel wastewater by combined electrocoagulation with photo-Fenton. Water Science and Technology, 2018, 78, 1260-1267.	2.5	34
66	The removal of amoxicillin from aquatic solutions using the TiO2/UV-C nanophotocatalytic method doped with trivalent iron. Applied Water Science, 2018, $8,1.$	5.6	51
67	Effects of pistachio processing wastewater on treatment efficiency of urban wastewater using activated sludge process. Environmental Health Engineering and Management, 2018, 5, 167-174.	0.7	3
68	Removal efficiency of nickel and lead from industrial wastewater using microbial desalination cell. Applied Water Science, 2017, 7, 3617-3624.	5.6	24
69	Removal of metoprolol from water by sepiolite-supported nanoscale zero-valent iron. Journal of Environmental Chemical Engineering, 2017, 5, 3490-3499.	6.7	32
70	How to use composite indicator and linear programming model for determine sustainable tourism. Journal of Environmental Health Science & Engineering, 2017, 15, 9.	3.0	9
71	Optimization of photochemical decomposition acetamiprid pesticide from aqueous solutions and effluent toxicity assessment by Pseudomonas aeruginosa BCRC using response surface methodology. AMB Express, 2017, 7, 159.	3.0	12
72	Efficiency of electro-Fenton process in removing Acid Red 18 dye from aqueous solutions. Chemical Engineering Research and Design, 2017, $111,138$ -147.	5.6	59

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73	Performance evaluation of household water treatment systems used in Kerman for removal of cations and anions from drinking water. Applied Water Science, 2017, 7, 4437-4447.	5 . 6	2
74	Use of bauxite from active Iranian mines for the removal of fluoride from drinking water. Environmental Health Engineering and Management, 2017, 4, 217-224.	0.7	5
75	Phenol Removal from Aqueous Solution by Adsorption Process: Study of The Nanoparticles Performance Prepared from Alo vera and Mesquite (Prosopis) Leaves. Scientia Iranica, 2017, .	0.4	2
76	Study of the Efficiency of Proxone Method as Advanced Oxidation Process to Remove 4-Chlorophenol from Aqueous Solution. Majallah-i DÄnishgÄh-i 'UlÅ«m-i PizishkÄ«-i ĪlÄm, 2017, 25, 133-143.	0.0	1
77	Efficiency investigation of photo-Fenton process in removal of sodium dodecyl sulphate from aqueous solutions. Desalination and Water Treatment, 2016, 57, 24444-24449.	1.0	13
78	Preparation and characterization of TiO 2 incorporated 13X molecular sieves for photocatalytic removal of acetaminophen from aqueous solutions. Chemical Engineering Research and Design, 2016, 104, 334-345.	5.6	36
79	Heavy metals bioaccumulation in fish of southern Iran and risk assessment of fish consumption. Environmental Health Engineering and Management, 2016, 3, 61-68.	0.7	25
80	Investigation of type and density of bio-aerosols in air samples from educational hospital wards of Kerman city, 2014. Environmental Health Engineering and Management, 2016, 3, 197-202.	0.7	4
81	Removal of Tetracycline Antibiotic From Aqueous Solutions Using Modified Pumice With Magnesium Chloride. Jentashapir Journal of Health Research, 2016, In Press, .	0.2	4
82	INVESTIGATION OF AMMONIUM ION ADSORPTION ONTO REGENERATED SPENT BLEACHING EARTH: PARAMETERS AND EQUILIBRIUM STUDY. Environmental Engineering and Management Journal, 2016, 15, 773-782.	0.6	4
83	Evaluating the efficacy of alumina/carbon nanotube hybrid adsorbents in removing Azo Reactive Red 198 and Blue 19 dyes from aqueous solutions. Chemical Engineering Research and Design, 2015, 96, 125-137.	5. 6	78
84	Determination of radon concentration in drinking water resources of villages nearby Lalehzar fault and evaluation the annual effective dose. Journal of Radioanalytical and Nuclear Chemistry, 2015, 304, 805-815.	1.5	5
85	NICKEL (II) REMOVAL FROM INDUSTRIAL PLATING EFFLUENT BY FENTON PROCESS. Environmental Engineering and Management Journal, 2015, 14, 837-842.	0.6	32
86	Hexavalent chromium removal by titanium dioxide photocatalytic reduction and the effect of phenol and humic acid on its removal efficiency. International Journal of Environmental Health Engineering, 2015, 4, 19.	0.4	10
87	Radon concentration in drinking water in villages nearby Rafsanjan fault and evaluation the annual effective dose. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 1167-1176.	1.5	14
88	Simultaneous determination of hydroxylamine and phenol using a nanostructure-based electrochemical sensor. Environmental Monitoring and Assessment, 2014, 186, 7431-7441.	2.7	85
89	Bacterial-aerosol emission from wastewater treatment plant. Desalination and Water Treatment, 2013, 51, 4478-4488.	1.0	28
90	Urban Dust Fall Concentration and Its Properties in Kerman City, Iran. Health Scope, 2013, 1, 192-198.	0.6	8

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91	Isotherms and kinetics studies of biosorption nickel (II) and chromium (VI) from aqueous solution by dried activated sludge. International Journal of Environmental Health Engineering, 2012, 1, 2.	0.4	4
92	Management of Non-Revenue Water in Distribution Network and Conveyor Lines; a Case Study. Health Scope, 2012, 1, 147-152.	0.6	7
93	Efficiency of perlite as a low cost adsorbent applied to removal of Pb and Cd from paint industry effluent. Desalination and Water Treatment, 2011, 26, 243-249.	1.0	12
94	Nitrate removal from aqueous solutions by nanofiltration. Desalination and Water Treatment, 2011, 29, 326-330.	1.0	32
95	Survey efficiency of electrocoagulation on nitrate removal from aqueous solution. International Journal of Environmental Science and Technology, 2011, 8, 107-114.	3.5	59
96	Fluoride removal using Regenerated Spent Bleaching Earth (RSBE) from groundwater: Case study on Kuhbonan water. Desalination, 2011, 277, 244-249.	8.2	36
97	Performance evaluation of electrocoagulation process using iron-rod electrodes for removing hardness from drinking water. Desalination, 2010, 255, 67-71.	8.2	144
98	Removal of heavy metals from paint industry's wastewater using Leca as an available adsorbent. International Journal of Environmental Science and Technology, 2009, 6, 183-190.	3.5	122
99	Pb and Co removal from paint industries effluent using wood ash. International Journal of Environmental Science and Technology, 2008, 5, 217-222.	3.5	60
100	Investigating the use of ozonation process with calcium peroxide for the removal of reactive blue 19 dye from textile wastewater., 0, 118, 336-341.		2
101	Investigating the removal of tetracycline antibiotic from aqueous solution using synthesized Fe3O4@cuttlebone magnetic nanocomposite., 0, 221, 343-358.		5
102	A comparison of the effectiveness of electrocoagulation to coagulation processes using ferric chloride for the removal of cadmium from aqueous solution., 0, 78, 215-220.		7
103	Investigating the use of ozonation process with calcium peroxide for the removal of metronidazole antibiotic from aqueous solutions. , 0, 77, 315-320.		7
104	O3/UV photo-oxidation process for the removal of reactive yellow 3 dye from wastewater., 0, 81, 322-326.		3
105	Photocatalytic degradation of the antibiotic ciprofloxacin by ZnO nanoparticles immobilized on a glass plate., 0,, 304-314.		22
106	Removal of bisphenol A from aqueous solutions by modified-carbonized date pits by ZnO nano-particles., 0, 95, 144-151.		23
107	Investigation of single-walled carbon nanotubes in removal of Penicillin G (Benzyl penicillin sodium) from aqueous environments., 0, 124, 248-255.		22
108	Removal of cyanide from synthetic wastewater by combined coagulation and advanced oxidation process., 0, 133, 204-211.		5

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109	Removal of nonylphenol from aqueous solutions using carbonized date pits modified with ZnO nanoparticles., 0, 141, 140-148.		28
110	Removal of lead from battery industry wastewater by Chlorella vulgaris as green micro-algae (Case) Tj ETQq0 0 C	rgBT /Ov	erlock 10 Tf 5
111	Investigation of adsorption efficiency of Cu2+ and Zn2+ by red soil and activated bentonite from acid copper mine drainage., 0, 144, 172-184.		18
112	Metronidazole adsorption on CoFe2O4/activated carbon@chitosan as a new magnetic biocomposite: modelling, analysis, and optimization by response surface methodology., 0, 164, 215-227.		25
113	Synthesis and stabilization of ZnO nanoparticles on a glass plate to study the removal efficiency of acid red 18 by hybrid advanced oxidation process (ultraviolet/ZnO/ultrasonic)., 0, 170, 325-336.		25
114	Ciprofloxacin removal from aqueous media by adsorption process: a systematic review and meta-analysis., 0, 229, 252-282.		14
115	Sulfate concentration effects on organic load and major effective parameters in stabilization ponds: A case study. , 0, 75, 79-84.		O
116	Evaluation of reverse osmosis for improving quality of water utilized in hemodialysis devices (case) Tj ETQq0 0 0	rgBT /Ove	erlock 10 Tf 50
117	Risk assessment of pesticides in agriculture farms Jiroft city and effect of drinking water resources using Arc-GIS software. International Journal of Environmental Analytical Chemistry, 0, , 1-15.	3.3	3