Ghorban Asgari

List of Publications by Year
in descending order

100	1,817	304602	315616
papers	citations	22 h-index	38 g-index

102	102	102	1729
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The investigation of kinetic and isotherm of fluoride adsorption onto functionalize pumice stone. Journal of Hazardous Materials, 2012, 217-218, 123-132.	6.5	157
2	Occurrence, distribution, and potential sources of antibiotics pollution in the water-sediment of the northern coastline of the Persian Gulf, Iran. Science of the Total Environment, 2018, 627, 703-712.	3.9	150
3	Sonophotocatalytic treatment of AB113 dye and real textile wastewater using ZnO/persulfate: Modeling by response surface methodology and artificial neural network. Environmental Research, 2020, 184, 109367.	3.7	109
4	Adsorption kinetics and isotherm of methylene blue and its removal from aqueous solution using bone charcoal. Reaction Kinetics, Mechanisms and Catalysis, 2011, 102, 127-142.	0.8	73
5	Parameter optimization and degradation mechanism for electrocatalytic degradation of 2,4-diclorophenoxyacetic acid (2,4-D) herbicide by lead dioxide electrodes. RSC Advances, 2019, 9, 5064-5075.	1.7	62
6	Electrodegradation of 2,4-dichlorophenoxyacetic acid herbicide from aqueous solution using three-dimensional electrode reactor with G/Î²-PbO₂anode: Taguchi optimization and degradation mechanism determination. RSC Advances, 2018, 8, 39256-39268.	1.7	58
7	Diuron degradation using three-dimensional electro-peroxone (3D/E-peroxone) process in the presence of TiO2/GAC: Application for real wastewater and optimization using RSM-CCD and ANN-GA approaches. Chemosphere, 2021, 266, 129179.	4.2	52
8	Moving-bed biofilm reactor combined with three-dimensional electrochemical pretreatment (MBBRâ€“3DE) for 2,4-D herbicide treatment: application for real wastewater, improvement of biodegradability. RSC Advances, 2021, 11, 9608-9620.	1.7	49
9	Electrochemical process for 2,4-D herbicide removal from aqueous solutions using stainless steel 316 and graphite Anodes: optimization using response surface methodology. Separation Science and Technology, 2019, 54, 478-493.	1.3	48
10	Abatement of Cr (VI) from wastewater using a new adsorbent, cantaloupe peel: Taguchi L16 orthogonal array optimization. Korean Journal of Chemical Engineering, 2014, 31, 2207-2214.	1.2	47
11	Cr (VI) adsorption from aqueous solution using a surfactant-modified Iranian zeolite: characterization, optimization, and kinetic approach. Desalination and Water Treatment, 2013, 51, 6009-6020.	1.0	44
12	Abatement of Azo Dye from Wastewater Using Bimetal-Chitosan. Scientific World Journal, The, 2013, 2013, 1-10.	0.8	42
13	Investigation on the pyrolysis of cow bone as a catalyst for ozone aqueous decomposition: Kinetic approach. Journal of Analytical and Applied Pyrolysis, 2013, 99, 149-154.	2.6	38
14	Removal of a cationic dye from wastewater during purification byPhoenix dactylifera. Desalination and Water Treatment, 2014, 52, 7354-7365.	1.0	35
15	Catalytic ozonation of industrial textile wastewater using modified C-doped MgO eggshell membrane powder. Advanced Powder Technology, 2019, 30, 1297-1311.	2.0	35
16	Efficient fluoride removal by preparation, characterization of pyrolysis bone: Mixed level design experiment and Taguchi L8 orthogonal array optimization. Journal of Molecular Liquids, 2019, 275, 251-264.	2.3	33
17	Photocatalytic removal of cefazolin from aqueous solution by AC prepared from mango seed+ZnO under UV irradiation. Global Nest Journal, 2018, 20, 399-407.	0.3	32
18	Photocatalytic degradation of metronidazole (MNZ) antibiotic in aqueous media using copper oxide nanoparticles activated by H2O2/UV process: Biodegradability and kinetic studies. , 0, 193, 369-380.		32

#	Article	IF	Citations
19	Removing amoxicillin antibiotic from aqueous solutions by Saccharomyces cerevisiae yeast bioadsorbent: kinetic, thermodynamic and isotherm studies. , 0, 152, 306-315.		30
20	Removal of phenol at high concentrations using UV/Persulfate from saline wastewater. Desalination and Water Treatment, 2016, 57, 19988-19995.	1.0	29
21	Removal of 2,4 dichlorophenol using microwave assisted nanoscale zero-valent copper activated persulfate from aqueous solutions: Mineralization, kinetics, and degradation pathways. Journal of Molecular Liquids, 2019, 296, 111873.	2.3	26
22	Optimization and Modeling of Tetracycline Removal from Wastewater by Three-Dimensional Electrochemical System: Application of Response Surface Methodology and Least Squares Support Vector Machine. Environmental Modeling and Assessment, 2020, 25, 327-341.	1.2	26
23	Carbon felt modified with N-doped rGO for an efficient electro-peroxone process in diuron degradation and biodegradability improvement of wastewater from a pesticide manufacture: Optimization of process parameters, electrical energy consumption and degradation pathway. Separation and Purification Technology, 2021, 274, 118962.	3.9	26
24	Optimized synthesis of carbon-doped nano-MgO and its performance study in catalyzed ozonation of humic acid in aqueous solutions: Modeling based on response surface methodology. Journal of Environmental Management, 2019, 239, 198-210.	3.8	24
25	Modelling of moving bed biofilm reactor (MBBR) efficiency on hospital wastewater (HW) treatment: a comprehensive analysis on BOD and COD removal. International Journal of Environmental Science and Technology, 2017, 14, 841-852.	1.8	23
26	Comparative study of sun-dried and oven-dried Malva sylvestris biomass for high-rate Cu(II) removal from wastewater. Chemical Engineering Research and Design, 2018, 116, 61-73.	2.7	23
27	Electrodegradation of tetracycline using stainless steel net electrodes: Screening of main effective parameters and interactions by means of a two-level factorial design. Korean Journal of Chemical Engineering, 2017, 34, 2999-3008.	1.2	22
28	Data on modeling of enzymatic elimination of Direct Red 81 using Response Surface Methodology. Data in Brief, 2018, 18, 80-86.	0.5	22
29	The catalytic ozonation of diazinon using nano-MgO@CNT@Gr as a new heterogenous catalyst: the optimization of effective factors by response surface methodology. RSC Advances, 2020, 10, 7718-7731.	1.7	22
30	Step-scheme BiVO4/WO3 heterojunction photocatalyst under visible LED light irradiation removing 4-chlorophenol in aqueous solutions. Journal of Environmental Management, 2021, 297, 113338.	3.8	22
31	Pentachlorophenol removal from aqueous solutions by microwave/persulfate and microwave/H2O2: a comparative kinetic study. Journal of Environmental Health Science & Engineering, 2014, 12, 94.	1.4	21
32	Degradation of CEX antibiotic from aqueous environment by US/S2O82-/NiO process: optimization using Taguchi method and kinetic studies. , 0, 171, 444-455.		20
33	Prediction of the optimal dosage of coagulants in water treatment plants through developing models based on artificial neural network fuzzy inference system (ANFIS). Journal of Environmental Health Science & Engineering, 2021, 19, 1543-1553.	1.4	19
34	Taguchi optimization for the removal of high concentrations of phenol from saline wastewater using electro-Fenton process. Desalination and Water Treatment, 2016, 57, 27331-27338.	1.0	16
35	Degradation of humic acids through heterogeneous catalytic ozonation with bone charcoal. Reaction Kinetics, Mechanisms and Catalysis, 2010, 100, 471.	0.8	14
36	Catalytic ozonation of pentachlorophenol in aqueous solutions using granular activated carbon. Applied Water Science, 2017, 7, 393-400.	2.8	14

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37	UVA-LED assisted persulfate/nZVI and hydrogen peroxide/nZVI for degrading 4-chlorophenol in aqueous solutions. Korean Journal of Chemical Engineering, 2018, 35, 694-701.	1.2	14
38	Direct Blue 71 removal from aqueous solution by laccase-mediated system; A dataset. Data in Brief, 2018, 19, 437-443.	0.5	14
39	Application of polystyrene nanofibers filled with sawdust as separator pads for separation of oil spills. Chemical Engineering Research and Design, 2021, 146, 161-168.	2.7	14
40	A comparative study on the removal of pentachlorophenol using copper-impregnated pumice and zeolite. Journal of Environmental Chemical Engineering, 2018, 6, 3342-3348.	3.3	13
41	Optimization of synthesis a new composite of nano-MgO, CNT and Graphite as a catalyst in heterogeneous catalytic ozonation for the treatment of pesticide-laden wastewater. Journal of Water Process Engineering, 2020, 33, 101082.	2.6	13
42	Mineralization, kinetics, and degradation pathway of pentachlorophenol degradation from aqueous media via persulfate/dithionite process. Arabian Journal of Chemistry, 2021, 14, 103357.	2.3	12
43	Data on corrosive water in the sources and distribution network of drinking water in north of Iran. Data in Brief, 2018, 17, 105-118.	0.5	11
44	Fear of COVID-19 and religious coping mediate the associations between religiosity and distress among older adults. Health Promotion Perspectives, 2021, 11, 316-322.	0.8	11
45	High potential for the formation of haloacetic acids in the Karoon River water in Iran. Environmental Monitoring and Assessment, 2013, 185, 3711-3720.	1.3	10
46	Preparation and catalytic activity of bone-char ash decorated with MgO - FeNO3 for ozonation of reactive black 5 dye from aqueous solution: Taguchi optimization data. Data in Brief, 2017, 13, 132-136.	0.5	10
47	Kinetic study of real landfill leachate treated by non-thermal plasma (NTP) and granular sequential batch reactors (GSBR). Journal of Water Process Engineering, 2021, 43, 102245.	2.6	10
48	Assessment the Quality of Bottled Drinking Water Through Mamdani Fuzzy Water Quality Index. Water Resources Management, 2021, 35, 5431-5452.	1.9	10
49	Kinetic and isotherm of hexavalent chromium adsorption onto nano hydroxyapatite. Journal of Research in Health Sciences, 2012, 12, 45-53.	0.9	10
50	Performance catalytic ozonation over the carbosieve in the removal of toluene from waste air stream. Journal of Research in Health Sciences, 2014, 14, 227-32.	0.9	10
51	Enhanced degradation of Rhodamine B dye by Fenton/peracetic acid and photo-Fenton/peracetic acid processes. International Journal of Chemical Reactor Engineering, 2022, 20, 1251-1260.	0.6	9
52	Experimental dataset on acid treated eggshell for removing cyanide ions from synthetic and industrial wastewaters. Data in Brief, 2018, 16, 442-452.	0.5	7
53	Microwave/Hydrogen Peroxide Processes. , 2018, , 215-255.		7
54	Aniline degradation from aqueous solution using electro/Fe2+/peroxydisulfate process. , 0, 80, 337-343.		7

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55	Catalytic ozonation of phenol using copper coated pumice and zeolite as catalysts. Journal of Research in Health Sciences, 2012, 12, 93-7.	0.9	7
56	Sonoâ€photoâ€assisted heterogeneous activation of peroxymonosulfate by Fe/CMKâ€3 catalyst for the degradation of bisphenol A, optimization with response surface methodology. Water Environment Research, 2020, 92, 189-201.	1.3	6
57	Application of the UV/sulfoxylate/phenol process in the simultaneous removal of nitrate and pentachlorophenol from the aqueous solution. Journal of Molecular Liquids, 2020, 314, 113581.	2.3	6
58	Evaluation of Autothermal Thermophilic Aerobic Digester Performance for the Stabilization of Municipal Wastewater Sludge. Pakistan Journal of Biological Sciences, 2017, 20, 260-266.	0.2	6
59	Cyanide adsorption from aqueous solution using mesoporous zeolite modified by cetyltrimethylammonium bromide surfactant. , 0, 97, 285-294.		6
60	Bisphenol S degradation using Fe-SBA-15/UV/US/peroxymonosulfate: performance optimization, biodegradability, mineralization and toxicity studies. , 0, 163, 297-309.		6
61	Fate and inhibition of Bis (2-Ethylhexyl) phthalate in biophysical reactors for treating real landfill leachate. Chemical Engineering Research and Design, 2022, 160, 450-464.	2.7	6
62	The investigation of humic acid adsorption from aqueous solutions onto modified pumice with hexadecyl trimethyl ammonium bromide. International Journal of Environmental Health Engineering, 2013, 2, 20.	0.4	5
63	Removal of 2, 4-dichlorophenol from aqueous solution using ultrasonic/H2O2. , 0, 75, 189-194.		5
64	Degradation of imidacloprid pesticide in aqueous solution using an eco-friendly electrochemical process. , 0, 86, 150-157.		5
65	Synthesis and application of iron/copper bimetallic nanoparticles doped natural zeolite composite coupled with ultrasound for removal of arsenic (III) from aqueous solutions. , 0, 161, 343-353.		5
66	The biological nutrient removal (BNR) process in Aerobic granular sludge systems treating real landfill leachate of a West Metropolis in Iran. International Journal of Environmental Science and Technology, 2022, 19, 7715-7726.	1.8	5
67	Catalytic ozonation of ethyl benzene using modified pumice with magnesium nitrate from polluted air. International Journal of Environmental Studies, 2017, 74, 486-499.	0.7	4
68	Evaluation of zeolite supported bimetallic nanoparticles of zero-valent iron and copper (Z-nZVI/Cu) in the presence of ultrasonic for simultaneous removal of nitrate and total coliforms from aqueous solutions: optimization and modeling with response surface methodology. Toxin Reviews, 2019, , 1-13.	1.5	4
69	4-Chlorophenol degradation with modified domestic microwave and hydrogen peroxide in aqueous solution. International Journal of Environmental Health Engineering, 2012, 1, 46.	0.4	4
70	Adsorption of phenol from aqueous solution by modified zeolite with FeCl₃. International Journal of Environmental Health Engineering, 2013, 2, 6.	0.4	4
71	Application of several advanced oxidation processes for degradation of 4-chlorophenol from aqueous solution. International Journal of Environmental Health Engineering, 2013, 2, 38.	0.4	4
72	Monitoring and health risk assessment of fluoride in drinking water in Babol, Mazandaran Province, Iran. , 0, 165, 141-147.		4

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73	Catalytic ozonation assisted by rGO/C-MgO in the degradation of humic acid from aqueous solution: modeling and optimization by response surface methodology, kinetic study. , 0, 174, 215-229.		4
74	Prediction and Optimization of Pentachlorophenol Degradation and Mineralization in Heterogeneous Catalytic Ozonation Using Artificial Neural Network. Journal of Water Chemistry and Technology, 2020, 42, 164-170.	0.2	3
75	Efficient decomposition of pentachlorophenol by a high photon flux UV/sodium hydrosulfite: Kinetics, intermediates and associated transformation pathway. Optik, 2020, 218, 164981.	1.4	3
76	Catalytic Potential of Nano-Magnesium Oxide on Degradation of Humic Acids From Aquatic Solutions. Avicenna Journal of Environmental Health Engineering, 2014, 1, .	0.3	3
77	Optimization of hydrogen peroxide/NiO nanoparticle photocatalytic process by degrading cephalexin from aqueous solution using Taguchi method: mineralization, mechanism and pathway. , 0, 201, 323-337.		3
78	Performance of heterogeneous catalytic ozonation process using Al2O3 nanoparticles in dexamethasone removal from aqueous solutions. , 0, 189, 296-304.		3
79	Application of carbon-doped nano-magnesium oxide for catalytic ozonation of real textile wastewater: fractional factorial design and optimization. , 0, 175, 79-89.		3
80	Preparation of an adsorbent from pumice stone and its adsorption potential for removal of toxic recalcitrant contaminants. Journal of Research in Health Sciences, 2013, 13, 53-7.	0.9	2
81	Microwave/H2O2 efficiency in pentachlorophenol removal from aqueous solutions. Journal of Research in Health Sciences, 2014, 14, 36-9.	0.9	2
82	Heavy metals concentration in vegetables irrigated with contaminated and fresh water and estimation of their daily intakes in suburb areas of Hamadan, Iran. Journal of Research in Health Sciences, 2014, 14, 69-74.	0.9	2
83	Characterisation, modeling, and optimisation of acid blue 113 dye degradation from aqueous media via catalytic ozonation using NH‹sub›2‹/sub›-modified MIL-68 (Al) composite nano sorbent. International Journal of Environmental Analytical Chemistry, 0, , 1-15.	1.8	2
84	Modified bone char with Câ€“MgO as a green antibacterial household water treatment filter: Comparing the microbial quality with refrigerator cartridge filters. Journal of Hazardous Materials, 2021, 414, 125516.	6.5	1
85	Bis(2-ethylhexyl) phthalate inhibition on aerobicÂflocculent and granular sludge inÂthe treatment of landfill leachate: a comparative study. Biomass Conversion and Biorefinery, 0, , 1.	2.9	1
86	Performance of direct filtration with multi-media filters for reuse of wastewater treatment plant effluent: a case study. Baharan industrial wastewater treatment plant. , 0, 229, 31-39.		1
87	Survey of Magneto-tactic Properties of Escherichia coli Under Static Magnetic Fields. Avicenna Journal of Environmental Health Engineering, 2020, 7, 14-19.	0.3	1
88	Taguchi Optimization of Catalytic Ozonation Process Using Modified Bone Char Ash for Removal of Methylene Blue from Aqueous Solution. Avicenna Journal of Environmental Health Engineering, 2020, 7, 66-71.	0.3	1
89	Application of synthesized Mn3O4 nanoparicle in Mn3O4/H2O2 and Mn3O4/H3K5O18S4 processes for polyvinyl alcohol (PVA) removal from aqueous solution. , 0, 189, 243-249.		1
90	Phenol disgrace via Periodate in integrating by using Supersonic Radiation. Journal of Medicine and Life, 2015, 8, 233-237.	0.4	1

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91	The Assessment of Trihalomethanes Concentrations in Drinking Water of Hamadan and Tuyserkan Cities, Western Iran and Its Health Risk on the Exposed Population. Journal of Research in Health Sciences, 2019, 19, e00441.	0.9	1
92	Enhancing photo-precipitation of Cr (VI) with sulfur dioxide radical: Mechanism, kinetic and energy consumption and sludge survey. Optik, 2020, 218, 164983.	1.4	0
93	The Potential of Sargassum oligocystum Harvested From Persian Gulf for the Adsorption of Copper Ions From Aqueous Solutions. Avicenna Journal of Environmental Health Engineering, 2015, 2, .	0.3	0
94	The efficiency of catalytic ozonation using carbosieve in xylene removal from waste air stream. , 0, 74, 289-295.		0
95	REMOVAL OF TURBIDITY AND HUMIC ACIDS USING CHITOSAN AS A COAGULANT AID: MODELING WITH ARTIFICIAL NEURAL NETWORK. Environmental Engineering and Management Journal, 2017, 16, 31-38.	0.2	0
96	The Use of Acid-Washed Iron/Aluminum Mixture in Permeable Reactive Barrier for the Elimination of Different Heavy Metal Ions From Water. Avicenna Journal of Environmental Health Engineering, 2017, 4, 29-34.	0.3	0
97	Carbon Modified Pumice as a New Adsorbent for the Rapid Removal of Fluoride Ions From Aqueous Phase. Avicenna Journal of Environmental Health Engineering, 2018, 5, 56-66.	0.3	0
98	Corrigendum to â€œSynthesis and application of iron/copper bimetallic nanoparticles doped natural zeolite composite coupled with ultrasound for removal of arsenic(III) from aqueous solutionsâ€• published in vol. 161 (2019) pp. 343â€“353 (doi:10.5004/dwt.2019.24325). , 0, 162, 402-402.		0
99	Oxidative removal of 4-chloro-hydroxybenzene using catalyzed S2O82â^' with Fe2+ under UV-LED irradiation. Cleaner Engineering and Technology, 2021, 5, 100337.	2.1	0
100	The formation of aerobic granular sludge for the treatment of real landfill leachate using a granular sequencing batch reactor at a constant volume. Environmental Quality Management, 0, , .	1.0	0