

Majid Baghdadi

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.

72
papers

1,501
citations

18
h-index

37
g-index

76
ext. papers

1,844
ext. citations

5.3
avg, IF

5.52
L-index

#	Paper	IF	Citations
72	Visible light photocatalytic degradation and pretreatment of lignin using magnetic graphitic carbon nitride for enhancing methane production in anaerobic digestion. <i>Fuel</i> , 2022 , 318, 123600	7.1	1
71	Role of salinity and aeration on flocculation and remobilization of metals during estuarine mixing. <i>Environmental Earth Sciences</i> , 2022 , 81, 1	2.9	0
70	Catalytic ozonation of real textile wastewater by magnetic oxidized g-C ₃ N ₄ modified with Al ₂ O ₃ nanoparticles as a novel catalyst. <i>Separation and Purification Technology</i> , 2021 , 283, 120208	8.3	3
69	A review on the various beds used for immobilization of nanoparticles: Overcoming the barrier to nanoparticle applications in water and wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106514	6.8	1
68	Increase of chitosan selectivity and affinity toward the cadmium ions using xanthate functionalization: Application for cadmium removal from saline solutions. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101898	6.7	2
67	Enhanced adsorption of heavy metals in groundwater using sand columns enriched with graphene oxide: Lab-scale experiments and process modeling. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101961	6.7	11
66	Application of sand particles modified with NH ₂ -MIL-101(Fe) as an efficient visible-light photocatalyst for Cr(VI) reduction. <i>Chemosphere</i> , 2021 , 268, 129365	8.4	11
65	Removal of Pb(II) from contaminated waters using cellulose sulfate/chitosan aerogel: Equilibrium, kinetics, and thermodynamic studies. <i>Journal of Environmental Management</i> , 2021 , 286, 112167	7.9	10
64	Synthesis of TiO ₂ /ZnO electrospun nanofibers coated-sewage sludge carbon for adsorption of Ni(II), Cu(II), and COD from aqueous solutions and industrial wastewaters. <i>Journal of Dispersion Science and Technology</i> , 2021 , 42, 802-812	1.5	5
63	Investigating the artificial intelligence methods for determining performance of the NZVI permeable reactive barriers. <i>Groundwater for Sustainable Development</i> , 2021 , 12, 100516	6	1
62	Enhanced photocatalytic activity by synergic action of ZIF-8 and NiFe ₂ O ₄ under visible light irradiation. <i>Journal of Molecular Structure</i> , 2021 , 1223, 129028	3.4	7
61	Waste plastic filter modified with polyaniline and polypyrrole nanoparticles for hexavalent chromium removal. <i>Science of the Total Environment</i> , 2021 , 752, 141850	10.2	20
60	Ag removal from e-waste using supercritical fluid: improving efficiency and selectivity. <i>International Journal of Environmental Studies</i> , 2021 , 78, 459-473	1.8	3
59	Application of nickel foam as an effective electrode for the electrochemical treatment of liquid hazardous wastes of COD analysis containing mercury, silver, and chromium (VI). <i>Environmental Technology and Innovation</i> , 2021 , 23, 101617	7	1
58	Wastewater aerosols produced during flushing toilets, WWTPs, and irrigation with reclaimed municipal wastewater as indirect exposure to SARS-CoV-2. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106201	6.8	4
57	Phosphate removal from municipal effluent by a porous MgO-expanded graphite composite as a novel adsorbent: Evaluation of seawater as a natural source of magnesium ions. <i>Journal of Water Process Engineering</i> , 2021 , 43, 102232	6.7	7
56	Fixed Bed Column Investigation for the Adsorption of 4-Nonylphenol Using Graphene Oxide Chitosan Aerogel Beads. <i>Journal of Environmental Engineering, ASCE</i> , 2021 , 147, 04021051	2	0

55	Surface functionalization of recycled polyacrylonitrile fibers with ethylenediamine for highly effective adsorption of Hg(II) from contaminated waters. <i>Journal of Environmental Management</i> , 2020 , 270, 110883	7.9	5
54	Application of graphene oxide nanosheets in the coagulation-flocculation process for removal of Total Organic Carbon (TOC) from surface water. <i>Journal of Water Process Engineering</i> , 2020 , 37, 101367	6.7	9
53	A continuous electroreduction cell composed of palladium nanocatalyst immobilized on discarded cigarette filters as an active bed for Cr(VI) removal from groundwater. <i>Journal of Environmental Management</i> , 2020 , 264, 110409	7.9	5
52	FIXED-BED COLUMN STUDY OF DIAZINON ADSORPTION ON THE CROSS-LINKED CHITOSAN/CARBON NANOTUBE. <i>Environmental Engineering and Management Journal</i> , 2020 , 19, 467-474	6.6	1
51	Semicontinuous enhanced electroreduction of Cr(VI) in wastewater by cathode constructed of copper rods coated with palladium nanoparticles followed by adsorption. <i>Chemosphere</i> , 2020 , 251, 126309	8.4	9
50	Synthesis of sewage sludge-based carbon/TiO ₂ /ZnO nanocomposite adsorbent for the removal of Ni(II), Cu(II), and chemical oxygen demands from aqueous solutions and industrial wastewater. <i>Water Environment Research</i> , 2020 , 92, 588-603	2.8	6
49	Efficient removal of hexavalent chromium from electroplating wastewater using polypyrrole coated on cellulose sulfate fibers. <i>Journal of Environmental Management</i> , 2020 , 274, 111153	7.9	15
48	Removal of 4-nonylphenol from Surface Water and Municipal Wastewater Effluent Using Three-Dimensional Graphene Oxide/Chitosan Aerogel Beads. <i>International Journal of Environmental Research</i> , 2020 , 14, 513-526	2.9	8
47	Removal of tetracycline with aluminum boride carbide and boehmite particles decorated biochar derived from algae. <i>Bioresource Technology</i> , 2020 , 316, 123950	11	22
46	Spilled oil absorption from Caspian sea water by graphene/chitosan nano composite. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 42, 2856-2872	1.6	7
45	Microfluidics combined with ionic gelation method for production of nanoparticles based on thiol-functionalized chitosan to adsorb Hg (II) from aqueous solutions. <i>Journal of Environmental Management</i> , 2019 , 238, 166-177	7.9	18
44	The black beads produced by simultaneous thermal reducing and chemical bonding of graphene oxide on the surface of amino-functionalized sand particles: Application for PAHs removal from contaminated waters. <i>Journal of Water Process Engineering</i> , 2019 , 31, 100798	6.7	12
43	Biochars derived from marine macroalgae as a mesoporous by-product of hydrothermal liquefaction process: Characterization and application in wastewater treatment. <i>Journal of Water Process Engineering</i> , 2019 , 32, 100942	6.7	21
42	Removal of mutagen X "MX" from drinking water using reduced graphene oxide coated sand particles. <i>Journal of Environmental Health Science & Engineering</i> , 2019 , 17, 827-837	2.9	1
41	Investigation of the effective factors on the mutagen X formation in drinking water by response surface methodology. <i>Journal of Environmental Management</i> , 2019 , 251, 109515	7.9	3
40	Fibrous adsorbent derived from sulfonation of cotton waste: application for removal of cadmium sulfide nanoparticles from aquatic media. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	2
39	Optimization of ozonation/adsorption combined method for the removal of toxic metals and COD using sewage sludge based carbon/TiO ₂ /ZnO nanocomposite. <i>Materials Research Express</i> , 2019 , 6, 125531	1.7	1
38	Optimized poly(amidoamine) coated magnetic nanoparticles as adsorbent for the removal of nonylphenol from water. <i>Microchemical Journal</i> , 2019 , 145, 508-516	4.8	9

37	Stabilizing of poly(amidoamine) dendrimer on the surface of sand for the removal of nonylphenol from water: Batch and column studies. <i>Journal of Hazardous Materials</i> , 2019 , 367, 357-364	12.8	7
36	Optimization of carbohydrate productivity of <i>Spirulina</i> microalgae as a potential feedstock for bioethanol production. <i>International Journal of Environmental Science and Technology</i> , 2019 , 16, 1303-1318	3.3	11
35	Removal of mercury from contaminated saline wastewaters using dithiocarbamate functionalized-magnetic nanocomposite. <i>Journal of Environmental Management</i> , 2018 , 213, 66-78	7.9	35
34	Modeling and Experimental Evaluation of Ni(II) and Pb(II) Sorption from Aqueous Solutions Using a Polyaniline/CoFeC6N6 Nanocomposite. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 741-750	2.8	18
33	Interaction of graphene oxide nano-sheets and landfill leachate bacterial culture. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 2457-2466	2.6	2
32	Activation of Persulfate Using an Industrial Iron-Rich Sludge as an Efficient Nanocatalyst for Landfill Leachate Treatment. <i>Catalysts</i> , 2018 , 8, 218	4	9
31	Investigation of continuous adsorption of Pb(II), As(III), Cd(II), and Cr(VI) using a mixture of magnetic graphite oxide and sand as a medium in a fixed-bed column. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 4840-4849	6.8	18
30	Catalytic chemical reduction of nitrate from simulated groundwater using hydrogen radical produced on the surface of palladium catalyst supported on the magnetic alumina nanoparticles. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 5249-5258	6.8	8
29	A comparative study on the efficiency of polar and non-polar solvents in oil sludge recovery using solvent extraction. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 389	3.1	20
28	Removal of benzotriazole from secondary municipal wastewater effluent by catalytic ozonation in the presence of magnetic alumina nanocomposite. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 6421-6430	6.8	7
27	Tailored magnetic nano-alumina as an efficient catalyst for transesterification of waste cooking oil: Optimization of biodiesel production using response surface methodology. <i>Energy Conversion and Management</i> , 2018 , 177, 395-405	10.6	27
26	Zero-valent iron nanofibers (ZVINFs) immobilized on the surface of reduced ultra-large graphene oxide (rULGO) as a persulfate activator for treatment of landfill leachate. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 6568-6579	6.8	18
25	Immobilization of polyaniline nanoparticles on the polyurethane foam derived from waste materials: A porous reactive fixed-bed medium for removal of mercury from contaminated waters. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 6612-6622	6.8	14
24	Removal of nitrate from aqueous solution using modified granular activated carbon. <i>Journal of Molecular Liquids</i> , 2017 , 233, 139-148	6	66
23	UT (University of Tehran) isotherm as a novel and useful adsorption isotherm for investigation of adsorptive removal of pollutants. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 1906-1919	6.8	22
22	Malachite green removal from aqueous solutions using fibrous cellulose sulfate prepared from medical cotton waste: Comprehensive batch and column studies. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 55, 128-139	6.3	29
21	Trace determination of chromium(VI) in environmental water samples using innovative thermally reduced graphene (TRG) modified SiO ₂ adsorbent for solid phase extraction and UV-vis spectrophotometry. <i>Talanta</i> , 2016 , 146, 662-9	6.2	52
20	Removal of crystal violet from aqueous solutions using functionalized cellulose microfibrils: a beneficial use of cellulosic healthcare waste. <i>RSC Advances</i> , 2016 , 6, 61423-61433	3.7	14

19	Removal of carbamazepine from municipal wastewater effluent using optimally synthesized magnetic activated carbon: Adsorption and sedimentation kinetic studies. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 3309-3321	6.8	89
18	Determination of cobalt in high-salinity reverse osmosis concentrates using flame atomic absorption spectrometry after cold-induced aggregation microextraction. <i>Analytical Methods</i> , 2016 , 8, 1908-1913	3.2	3
17	Production of a biodegradable flocculant from cotton and evaluation of its performance in coagulation-flocculation of kaolin clay suspension: Optimization through response surface methodology (RSM). <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 1996-2003	6.8	46
16	In situ sludge magnetic impregnation (ISSMI) as an efficient technology for enhancement of sludge sedimentation: Removal of methylene blue using nitric acid treated graphene oxide as a test process. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 2090-2102	6.8	8
15	Preparation of engineered carbon nanotube materials and its application in water treatment for removal of hydrophobic natural organic matter (NOM). <i>Desalination and Water Treatment</i> , 2016 , 57, 24855-24866		66
14	Removal of cadmium and lead from aqueous solutions by magnetic acid-treated activated carbon nanocomposite. <i>Desalination and Water Treatment</i> , 2016 , 57, 18782-18798		33
13	Enhanced selectivity and capacity of clinoptilolite for Cd ²⁺ removal from aqueous solutions by incorporation of magnetite nanoparticles and surface modification with cysteine. <i>Water Science and Technology</i> , 2016 , 73, 2284-93	2.2	5
12	Superparamagnetic core-shells anchored onto graphene oxide grafted with phenylethyl amine as a nano-adsorbent for extraction and enrichment of organophosphorus pesticides from fruit, vegetable and water samples. <i>Journal of Chromatography A</i> , 2015 , 1406, 48-58	4.5	85
11	A simple and rapid method based on direct transfer of headspace vapor into the GC injector: application for determination of BTEX compounds in water and wastewater samples. <i>Analytical Methods</i> , 2012 , 4, 1996	3.2	9
10	Ultrasound assisted cold-induced aggregation: an improved method for trace determination of volatile phenol. <i>Mikrochimica Acta</i> , 2012 , 177, 349-355	5.8	12
9	In situ solvent formation microextraction based on ionic liquids: a novel sample preparation technique for determination of inorganic species in saline solutions. <i>Analytica Chimica Acta</i> , 2009 , 634, 186-91	6.6	175
8	Cold-induced aggregation microextraction: a novel sample preparation technique based on ionic liquids. <i>Analytica Chimica Acta</i> , 2008 , 613, 56-63	6.6	204
7	Preconcentration and determination of ultra trace amounts of arsenic(III) and arsenic(V) in tap water and total arsenic in biological samples by cloud point extraction and electrothermal atomic absorption spectrometry. <i>Talanta</i> , 2005 , 65, 882-7	6.2	118
6	Determination of ultra trace amounts of bismuth in biological and water samples by electrothermal atomic absorption spectrometry (ET-AAS) after cloud point extraction. <i>Analytica Chimica Acta</i> , 2005 , 534, 163-169	6.6	87
5	Extraction of silver from computer printed circuit boards wastes by supercritical fluids: pretreatment study. <i>International Journal of Environmental Science and Technology</i> , 1	3.3	0
4	Preparation and characterization of room-temperature chemically expanded graphite: Application for cationic dye removal. <i>Korean Journal of Chemical Engineering</i> , 1	2.8	0
3	The removal of Cr(VI) from aqueous and saturated porous media by nanoscale zero-valent iron stabilized with flaxseed gum extract: Synthesis by continuous flow injection method. <i>Korean Journal of Chemical Engineering</i> , 1	2.8	0
2	Metal-Phase Microextraction (MPME) as a Novel Solvent-Free and Green Sample Preparation Technique: Determination of Cadmium in Infant Formula and Real Water Samples. <i>Food Analytical Methods</i> , 1	3.4	1

- 1 Photochemical degradation of dexamethasone by UV/Persulphate, UV/Hydrogen peroxide and UV/free chlorine processes in aqueous solution using response surface methodology (RSM). *International Journal of Environmental Analytical Chemistry*,1-19 1.8