

Majid Baghdadi

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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	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
71	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
70	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
69	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
68	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
67	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
66	Removal of nitrate from aqueous solution using modified granular activated carbon. <i>Journal of Molecular Liquids</i> , 2017 , 233, 139-148	6	66
65	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
64	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
63	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
62	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
61	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
60	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
59	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
58	Removal of tetracycline with aluminum boride carbide and boehmite particles decorated biochar derived from algae. <i>Bioresource Technology</i> , 2020 , 316, 123950	11	22
57	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
56	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

55	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
54	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
53	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
52	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
51	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
50	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
49	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
48	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
47	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
46	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
45	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, 101967	6.7	11
44	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
43	Optimization of carbohydrate productivity of Spirulina microalgae as a potential feedstock for bioethanol production. <i>International Journal of Environmental Science and Technology</i> , 2019 , 16, 1303-1318	3.3	11
42	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
41	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
40	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
39	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
38	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

37	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
36	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
35	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
34	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
33	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
32	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
31	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
30	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
29	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
28	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		6
27	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
26	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
25	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
24	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
23	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
22	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
21	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
20	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

19	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
18	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
17	Interaction of graphene oxide nano-sheets and landfill leachate bacterial culture. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 2457-2466	2.6	2
16	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
15	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
14	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
13	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	0.6	1
12	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
11	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
10	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
9	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
8	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
7	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
6	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
5	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
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	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

- 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