

Javad Zolgharnein

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.

70
papers

1,360
citations

21
h-index

34
g-index

72
ext. papers

1,572
ext. citations

3.3
avg, IF

5.03
L-index

#	Paper	IF	Citations
70	Sulfate removal by barium-terephthalate MOF synthesized from recycled PET-waste using Doehlert design optimization. <i>Inorganic Chemistry Communication</i> , 2022 , 109388	3.1	1
69	Determination and degradation of carbamazepine using g-C ₃ N ₄ @CuS nanocomposite as sensitive fluorescence sensor and efficient photocatalyst. <i>Inorganic Chemistry Communication</i> , 2022 , 141, 109512	3.1	1
68	Multivariate optimization of high removal of lead(II) using an efficient synthesized Ni-based metal-organic framework adsorbent. <i>Chinese Journal of Chemical Engineering</i> , 2021 , 29, 146-153	3.2	4
67	Simultaneous Determination and Optimization of Titan Yellow and Reactive Blue 4 Dyes Removal Using Chitosan@hydroxyapatite Nanocomposites. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 1789-1807	4.5	10
66	Iron terephthalate metal-organic framework (MOF-235) as an efficient adsorbent for removal of toluidine blue dye from aqueous solution using Box-Behnken design as multivariate optimization approach. <i>Journal of the Iranian Chemical Society</i> , 2020 , 17, 2663-2673	2	9
65	Derivative spectrophotometry and multivariate optimization for simultaneous removal of Titan yellow and Bromophenol blue dyes using polyaniline@SiO ₂ nanocomposite. <i>Microchemical Journal</i> , 2020 , 155, 104717	4.8	10
64	Application of a new metal-organic framework of [NiF(4,4Sbipy)(HO)](VO).8HO as an efficient adsorbent for removal of Congo red dye using experimental design optimization. <i>Environmental Research</i> , 2020 , 182, 109054	7.9	22
63	Cobalt (II) phthalocyanine dye removal from aqueous solution using cobalt ferrite nanoparticles as an efficient adsorbent. <i>Water Science and Technology: Water Supply</i> , 2020 , 20, 2547-2563	1.4	1
62	A comparison between Box-Behnken design and artificial neural network: Modeling of removal of Phenol Red from water solutions by nanocobalt hydroxide. <i>Journal of Chemometrics</i> , 2020 , 34, e3283	1.6	5
61	Preparation and characterization of SrO/MgO nanocomposite as a novel and efficient base catalyst for biodiesel production from waste cooking oil: a statistical approach for optimization. <i>Journal of the Iranian Chemical Society</i> , 2020 , 17, 333-349	2	5
60	Multivariate Optimization for Preconcentration and Separation of Brilliant Green using Magnetite Nanoparticles Functionalized by Cetyltrimethylammonium Bromide. <i>Journal of Analytical Chemistry</i> , 2019 , 74, 744-755	1.1	0
59	Removal of brilliant green and malachite green from aqueous solution by a viable magnetic polymeric nanocomposite: Simultaneous spectrophotometric determination of 2 dyes by PLS using original and first derivative spectra. <i>Journal of Chemometrics</i> , 2018 , 32, e3014	1.6	7
58	Optimization of simultaneous removal of binary mixture of indigo carmine and methyl orange dyes by cobalt hydroxide nano-particles through Taguchi method. <i>Journal of Molecular Liquids</i> , 2018 , 262, 405-414	6	32
57	Hybrid central composite design for simultaneous optimization of removal of methylene blue and alizarin red S from aqueous solutions using Vitis tree leaves. <i>Journal of Chemometrics</i> , 2018 , 32, e2960	1.6	8
56	Multivariate optimization and characterization of simultaneous removal of binary mixture of Cu(II) and Pb(II) using Fe ₃ O ₄ @MoS ₂ nanoparticles. <i>Journal of Chemometrics</i> , 2018 , 32, e3043	1.6	11
55	Crossed mixture-process design for optimization of simultaneous adsorption of Tartrazine and Indigo carmine dyes by cobalt hydroxide nanosorbent. <i>Journal of Chemometrics</i> , 2018 , 32, e3039	1.6	6
54	Chemometrics approach for optimization of simultaneous adsorption of Alizarin red S and Congo red by cobalt hydroxide nanoparticles. <i>Journal of Chemometrics</i> , 2017 , 31, e2886	1.6	3

53	Crossed mixture process design optimization and adsorption characterization of multi-metal (Cu(II), Zn(II) and Ni(II)) removal by modified Buxus sempervirens tree leaves. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 78, 104-117	5.3	14
52	An efficient, sensitive and fast microextraction method followed by gas chromatography-mass spectrometry for the determination of polycyclic aromatic hydrocarbons in bread samples. <i>Analytical Methods</i> , 2017 , 9, 6246-6253	3.2	17
51	Chemometrics optimization for simultaneous adsorptive removal of ternary mixture of Cu(II), Cd(II), and Pb(II) by Fraxinus tree leaves. <i>Journal of Chemometrics</i> , 2017 , 31, e2935	1.6	6
50	Adsorptive removal of phosphate using nano cobalt hydroxide as a sorbent from aqueous solution; multivariate optimization and adsorption characterization. <i>Journal of Alloys and Compounds</i> , 2017 , 725, 1006-1017	5.7	26
49	Magnetite nanoparticles coated with tannic acid as a viable sorbent for solid-phase extraction of Cd ²⁺ , Co ²⁺ and Cr ³⁺ . <i>Mikrochimica Acta</i> , 2016 , 183, 449-456	5.8	36
48	Multivariate Optimization and Adsorption Characterization of As(III) by Using Fraxinus Tree Leaves. <i>Chemical Engineering Communications</i> , 2016 , 203, 210-223	2.2	15
47	Nano-Fe ₃ O ₄ and corn cover composite for removal of Alizarin Red S from aqueous solution: characterization and optimization investigations. <i>Desalination and Water Treatment</i> , 2016 , 1-14		2
46	Doehlert design as optimization approach for the removal of Pb(II) from aqueous solution by Catalpa Speciosa tree leaves: adsorption characterization. <i>Desalination and Water Treatment</i> , 2015 , 53, 430-445		19
45	Simultaneous removal of binary mixture of Brilliant Green and Crystal Violet using derivative spectrophotometric determination, multivariate optimization and adsorption characterization of dyes on surfactant modified nano-Alumina. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 137, 1016-28	4.4	70
44	Hybrid central composite design optimization for removal of Methylene blue by Acer tree leaves: characterization of adsorption. <i>Desalination and Water Treatment</i> , 2015 , 54, 2601-2610		8
43	Simultaneous spectrophotometric determination of Ga(III) and Tl(III) by using genetic algorithm based on wavelength selection-partial least squares regression. <i>Journal of Analytical Chemistry</i> , 2015 , 70, 148-153	1.1	2
42	Hybrid central composite design approach for simultaneous optimization of removal of alizarin red S and indigo carmine dyes using cetyltrimethylammonium bromide-modified TiO ₂ nanoparticles. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 988-1000	6.8	51
41	Multi-response optimization using Taguchi design and principle component analysis for removing binary mixture of alizarin red and alizarin yellow from aqueous solution by nano Alumina. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 126, 291-300	4.4	41
40	Simultaneous determination of propanil and monalide by modified glassy carbon electrode with nickel oxide nanoparticles, using partial least squares modified by orthogonal signal correction and wavelet packet transform. <i>Sensors and Actuators B: Chemical</i> , 2014 , 197, 326-333	8.5	9
39	Removal of Methyl Violet Dye from Aqueous Solution by sf Platanus Carpinifolia Tree Leaves as Highly Efficient Sorbent: Multivariate Optimization, Isotherm Modeling, and Kinetic Studies. <i>Separation Science and Technology</i> , 2014 , 49, 752-762	2.5	6
38	Multivariate optimization of a new 4-chlorophenol sensor fabricated by modification of glassy carbon electrode using Ni(OH) ₂ nanoparticles-carbon nanotubes (NNH ₂ WCNTs). <i>Sensors and Actuators B: Chemical</i> , 2013 , 186, 536-544	8.5	27
37	Taguchi L16 orthogonal array optimization for Cd (II) removal using Carpinus betulus tree leaves: Adsorption characterization. <i>International Biodeterioration and Biodegradation</i> , 2013 , 85, 66-77	4.8	50
36	Cercis siliquastrum Tree Leaves as an Efficient Adsorbent for Removal of Ag(I): Response Surface Optimization and Characterization of Biosorption. <i>Clean - Soil, Air, Water</i> , 2013 , 41, 1183-1195	1.6	7

35	Comparative study of BoxBehnken, central composite, and Doehlert matrix for multivariate optimization of Pb (II) adsorption onto Robinia tree leaves. <i>Journal of Chemometrics</i> , 2013 , 27, 12-20	1.6	118
34	Application of response surface methodology for optimization of ionic liquid-based dispersive liquid-liquid microextraction of cadmium from water samples. <i>Human and Experimental Toxicology</i> , 2013 , 32, 620-31	3.4	16
33	Optimization and Characterization of Tl(I) Adsorption onto Modified Ulmus carpinifolia Tree Leaves. <i>Clean - Soil, Air, Water</i> , 2011 , 39, 250-258	1.6	27
32	Pesticides Removal Using Conventional and Low-Cost Adsorbents: A Review. <i>Clean - Soil, Air, Water</i> , 2011 , 39, 1105-1119	1.6	63
31	Removal of thallium(I) from aqueous solution using modified sugar beet pulp. <i>Toxicological and Environmental Chemistry</i> , 2011 , 93, 207-214	1.4	25
30	Synthesis and characterization of two acetato-bridged dinuclear copper(II) complexes with 4-bromo-2-((4 or 6-methylpyridin-2-ylimino)methyl)phenol as ligand. <i>Journal of Coordination Chemistry</i> , 2010 , 63, 346-352	1.6	11
29	Characterization of Sorption Isotherms, Kinetic Models, and Multivariate Approach for Optimization of Hg(II) Adsorption onto Fraxinus Tree Leaves. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 5040-5049	2.8	46
28	Adsorption of Cr(VI) onto Elaeagnus Tree Leaves: Statistical Optimization, Equilibrium Modeling, and Kinetic Studies. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 3428-3437	2.8	48
27	Silica gel-polyethylene glycol as a new adsorbent for solid phase extraction of cobalt and nickel and determination by flame atomic absorption spectrometry. <i>Talanta</i> , 2010 , 81, 773-7	6.2	39
26	Optimization of a new polymeric chromium (III) membrane electrode based on methyl violet by using experimental design. <i>Talanta</i> , 2010 , 81, 1681-7	6.2	20
25	Multivariate optimization of Cd(II) biosorption onto Ulmus tree leaves from aqueous waste. <i>Toxicological and Environmental Chemistry</i> , 2010 , 92, 1461-1470	1.4	14
24	Optimization of removal of methylene blue by Platanus tree leaves using response surface methodology. <i>Analytical Sciences</i> , 2010 , 26, 111-6	1.7	25
23	Highly Efficient and Selective Transport of Cu(II) with a Cooperative Carrier Composed of Tetraaza-14-Crown-4 and Oleic Acid through a Bulk Liquid Membrane. <i>Separation Science and Technology</i> , 2009 , 45, 58-65	2.5	5
22	Spectrophotometric study of complexation of dibenzopyridino-18-crown-6 with some transition and post-transition metal ions in DMSO solution using murexide as a metallochromic ligand. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2009 , 35, 512-518	1.6	1
21	Spectrophotometric determination of trace amounts of fluoride using an Al-xylenol orange complex as a colored reagent. <i>Analytical Sciences</i> , 2009 , 25, 1249-53	1.7	21
20	Solid phase selective and extractive preconcentration of silver ion from aqueous samples on modified silica gel with 5-(4-dimethylaminobenzylidene)-rhodanine; prepared by sol-gel method. <i>Analytical Sciences</i> , 2009 , 25, 711-6	1.7	11
19	Multiwavelength Spectrophotometric Determination of Acidity Constants of Newly Synthesized 1,2,4-Triazole Derivatives in Ethanol/Water Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1862-1866	2.8	5
18	Optimization of Pb(II) biosorption by Robinia tree leaves using statistical design of experiments. <i>Talanta</i> , 2008 , 76, 528-32	6.2	55

17	Highly Efficient and Selective Transport of Au(III) through a Bulk Liquid Membrane using Potassium-dicyclohexyl-18-crown-6 as Carrier. <i>Separation Science and Technology</i> , 2008 , 43, 3119-3133	2.5	4
16	Study of complexation of phenylaza-15-crown-5, 4-nitrobenzo-15-crown-5, and benzo-15-crown-5 with Ag ⁺ , Tl ⁺ and Pb ²⁺ ions in methanol by competitive potentiometry. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2008 , 60, 163-167		3
15	Spectrophotometric determination of acidity constant of some indicators in various micellar media solutions by rank annihilation factor analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008 , 70, 343-9	4.4	21
14	Removal and recovery of heavy metals from aqueous solution using <i>Ulmus carpinifolia</i> and <i>Fraxinus excelsior</i> tree leaves. <i>Journal of Hazardous Materials</i> , 2008 , 155, 513-22	12.8	102
13	Simultaneous Determination of Aluminium and Iron with Hematoxylin Using Spectrophotometric and Orthogonal Signal Correction-Partial Least Squares in Plant and Water. <i>Annali Di Chimica</i> , 2007 , 97, 1181-1190		5
12	Potentiometric study of complexation of phenylaza-15-crown-5, 4-nitrobenzo-15-crown-5 and dibenzopyridino-18-crown-6 and other derivative of 18-crowns-6 with Na ⁺ ion in methanol. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007 , 59, 99-103		10
11	Selective and Efficient Liquid Membrane Transport of Thallium (III) Ion by Potassium-dicyclohexyl-18-crown-6 as Specific Carrier. <i>Separation Science and Technology</i> , 2007 , 42, 2303-2314	2.5	2
10	Spectrophotometric determination of ternary mixtures of thiamin, riboflavin and pyridoxal in pharmaceutical and human plasma by least-squares support vector machines. <i>Analytical Sciences</i> , 2007 , 23, 1311-6	1.7	9
9	Competitive Potentiometric Study of a Series of 18-crown-6 with Some Alkali and Alkaline Earth Metal Ions in Methanol Using an Ag ⁺ /Ag Electrode. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2004 , 49, 231-234		10
8	Highly selective and efficient membrane transport of silver as AgBr ₂ ⁻ ion using K ⁺ -decyl-18-crown-6 as carrier. <i>Analytical Sciences</i> , 2003 , 19, 871-5	1.7	10
7	Spectrophotometric Study of the Complexation of Some Lanthanide (III) Ions with a Series of 18-Crowns-6 in DMSO Solution Using Murexide as a Metallochromic Indicator. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2003 , 45, 13-17		5
6	Simultaneous spectrophotometric determination of iron and vanadium by H-point standard addition method and partial least squares regression in micellar medium. <i>Talanta</i> , 2003 , 59, 1141-51	6.2	23
5	Simultaneous determination of Fe(II) and Fe(III) by kinetic spectrophotometric H-point standard addition method. <i>Talanta</i> , 2002 , 57, 1067-73	6.2	35
4	Competitive Potentiometric Study of the Thermodynamics of Complexation of Some Transition and Heavy Metal Ions with Dibenzopyridino-18-crown-6 in Methanol using Ag ⁺ Ion as a Probe. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2001 , 40, 41-44		8
3	Stoichiometry, Thermodynamics and Kinetics of Host-Guest Interactions between Cryptand C222 and Iodine in 1,2-Dichloroethane. Formation of a C222.I ⁺ Inclusion Cryptate. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2000 , 37, 395-406		7
2	LITHIUM-7 AND SODIUM-23 NMR STUDIES OF THE COMPLEXATION OF Li ⁺ AND Na ⁺ IONS WITH 1,13-DIBENZO-18-CROWN-6 IN BINARY NITROMETHANE-ACETONITRILE MIXTURES. <i>Journal of Coordination Chemistry</i> , 1998 , 46, 1-11	1.6	12
1	Solid-phase extraction and separation of brilliant green by Fe ₃ O ₄ magnetic nano-particles functionalized by sodium dodecylsulphate from aqueous solution: multivariate optimization and adsorption characterization. <i>Talanta</i> , 2007 , 75, 58-69		2