

Hassan Zavvar Mousavi

List of Publications by Year in descending order

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71
papers

1,761
citations

257450

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302126

39
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71
all docs

71
docs citations

71
times ranked

2264
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of nanostructure alumina on adsorption of heavy metals. <i>Desalination</i> , 2010, 253, 94-100.	8.2	202
2	Adsorption of methyl violet from aqueous solution by polyacrylamide as an adsorbent: Isotherm and kinetic studies. <i>Desalination</i> , 2011, 267, 256-260.	8.2	144
3	A novel magnetic ion imprinted polymer as a selective magnetic solid phase for separation of trace lead(II) ions from agricultural products, and optimization using a Box-Behnken design. <i>Food Chemistry</i> , 2017, 237, 275-281.	8.2	74
4	Removal of lead from aqueous solution using waste tire rubber ash as an adsorbent. <i>Brazilian Journal of Chemical Engineering</i> , 2010, 27, 79-87.	1.3	68
5	Novel ion imprinted polymer electrochemical sensor for the selective detection of lead(II). <i>Food Chemistry</i> , 2020, 303, 125374.	8.2	63
6	Ultrasound-assisted dispersive solid phase extraction of cadmium(II) and lead(II) using a hybrid nanoadsorbent composed of graphene and the zeolite clinoptilolite. <i>Mikrochimica Acta</i> , 2015, 182, 1263-1272.	5.0	47
7	Trace amounts of Cd(II), Cu(II) and Pb(II) ions monitoring using Fe ₃ O ₄ @graphene oxide nanocomposite modified via 2-mercaptobenzothiazole as a novel and efficient nanosorbent. <i>Journal of Molecular Liquids</i> , 2017, 231, 386-395.	4.9	47
8	Ultrasound assisted-dispersive-ionic liquid-micro-solid phase extraction based on carboxyl-functionalized nanoporous graphene for speciation and determination of trace inorganic and organic mercury species in water and caprine blood samples. <i>Microchemical Journal</i> , 2017, 130, 245-254.	4.5	46
9	Simultaneous determination of lead(II) and cadmium(II) at a glassy carbon electrode modified with GO@Fe ₃ O ₄ @benzothiazole-2-carboxaldehyde using square wave anodic stripping voltammetry. <i>Journal of Molecular Liquids</i> , 2018, 249, 1125-1132.	4.9	45
10	Nettle ash as a low cost adsorbent for the removal of nickel and cadmium from wastewater. <i>International Journal of Environmental Science and Technology</i> , 2011, 8, 195-202.	3.5	43
11	Innovative separation and preconcentration technique of coagulating homogenous dispersive micro solid phase extraction exploiting graphene oxide nanosheets. <i>Analytica Chimica Acta</i> , 2016, 902, 33-42.	5.4	43
12	Ultrasound assisted-dispersive-micro-solid phase extraction based on bulky amino bimodal mesoporous silica nanoparticles for speciation of trace manganese (II)/(VII) ions in water samples. <i>Microchemical Journal</i> , 2016, 124, 637-645.	4.5	39
13	Preconcentration and separation of ultra-trace amounts of lead using ultrasound-assisted cloud point-micro solid phase extraction based on amine functionalized silica aerogel nanoadsorbent. <i>Microchemical Journal</i> , 2016, 125, 236-241.	4.5	38
14	Graphene-silica hybrid in efficient preconcentration of heavy metal ions via novel single-step method of moderate centrifugation-assisted dispersive micro solid phase extraction. <i>Talanta</i> , 2016, 150, 476-484.	5.5	38
15	Determination of cadmium by flame atomic absorption spectrometry after preconcentration on naphthalene-methyltrioctylammonium chloride adsorbent as tetraiodocadmiate (II) ions. <i>Analytica Chimica Acta</i> , 2004, 503, 279-282.	5.4	37
16	Removal of Cu(II) from wastewater by waste tire rubber ash. <i>Journal of the Serbian Chemical Society</i> , 2010, 75, 845-853.	0.8	36
17	Determination of cadmium(II) using a glassy carbon electrode modified with a Cd-ion imprinted polymer. <i>Journal of Electroanalytical Chemistry</i> , 2018, 810, 185-190.	3.8	35
18	Cadmium determination in human biological samples based on trioctylmethyl ammonium thiosalicylate as a task-specific ionic liquid by dispersive liquid-liquid microextraction method. <i>Journal of Molecular Liquids</i> , 2016, 218, 478-483.	4.9	33

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19	Preconcentration and Determination of Trace Amount of Nickel in Water and Biological Samples by Dispersive Liquid-Liquid Microextraction. <i>Journal of the Chinese Chemical Society</i> , 2010, 57, 1035-1041.	1.4	31
20	Investigation of heavy metal ions adsorption by magnetically modified aloe vera leaves ash based on equilibrium, kinetic and thermodynamic studies. <i>Desalination and Water Treatment</i> , 2016, 57, 13747-13759.	1.0	31
21	A hyperbranched polyamidoamine dendrimer grafted onto magnetized graphene oxide as a sorbent for the extraction of synthetic dyes from foodstuff. <i>Mikrochimica Acta</i> , 2017, 184, 4503-4512.	5.0	30
22	Covalently bonded double-charged ionic liquid on magnetic graphene oxide as a novel, efficient, magnetically separable and reusable sorbent for extraction of heavy metals from medicine capsules. <i>RSC Advances</i> , 2016, 6, 90360-90370.	3.6	28
23	Ultra-trace Arsenic Determination in Urine and Whole Blood Samples by Flow Injection-Hydride Generation Atomic Absorption Spectrometry after Preconcentration and Speciation Based on Dispersive Liquid-Liquid Microextraction. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 3923-3927.	1.9	27
24	Application of magnetic ion-imprinted polymer as a new environmentally-friendly nanocomposite for a selective adsorption of the trace level of Cu(II) from aqueous solution and different samples. <i>Journal of Molecular Liquids</i> , 2017, 243, 380-386.	4.9	27
25	Speciation and determination of inorganic arsenic species in water and biological samples by ultrasound assisted-dispersive-micro-solid phase extraction on carboxylated nanoporous graphene coupled with flow injection-hydride generation atomic absorption spectrometry. <i>RSC Advances</i> , 2015, 5, 93347-93359.	3.6	26
26	Solid phase preconcentration of iron as methylthymol blue complex on naphthalene-tetraoctylammonium bromide adsorbent with subsequent flame atomic absorption determination. <i>Talanta</i> , 2004, 64, 264-267.	5.5	23
27	Solid Phase Extraction of Lead(II) by Sorption on Grinded Eucalyptus Stem and Determination with Flame Atomic Absorption Spectrometry. <i>Journal of the Chinese Chemical Society</i> , 2009, 56, 974-980.	1.4	22
28	Graphene oxide-packed micro-column solid-phase extraction combined with flame atomic absorption spectrometry for determination of lead (II) and nickel (II) in water samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2015, 95, 16-32.	3.3	21
29	Ultrasound assisted dispersive micro solid-phase extraction of four tyrosine kinase inhibitors from serum and cerebrospinal fluid by using magnetic nanoparticles coated with nickel-doped silica as an adsorbent. <i>Mikrochimica Acta</i> , 2016, 183, 2779-2789.	5.0	21
30	Determination of Hg in water and wastewater samples by CV-AAS following on-line preconcentration with silver trap. <i>Journal of Analytical Chemistry</i> , 2010, 65, 935-939.	0.9	20
31	Chromium speciation in human blood samples based on acetyl cysteine by dispersive liquid-liquid biomicroextraction and in-vitro evaluation of acetyl cysteine/cysteine for decreasing of hexavalent chromium concentration. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 118, 1-8.	2.8	20
32	Stirring-controlled solidified floating solid-liquid drop microextraction as a new solid phase-enhanced liquid-phase microextraction method by exploiting magnetic carbon nanotube-nickel hybrid. <i>Analytica Chimica Acta</i> , 2017, 951, 78-88.	5.4	19
33	Synthesis and application of a novel magnetic SBA-15 nanosorbent for heavy metal removal from aqueous solutions. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 217-225.	2.4	19
34	Ultra-trace arsenic and mercury speciation and determination in blood samples by ionic liquid-based dispersive liquid-liquid microextraction combined with flow injection-hydride generation/cold vapor atomic absorption spectroscopy. <i>Chemical Papers</i> , 2015, 69, .	2.2	18
35	Preconcentration and determination of heavy metals in water, sediment and biological samples. <i>Journal of the Serbian Chemical Society</i> , 2011, 76, 1583-1595.	0.8	16
36	Synthesis and Application of Magnetic Graphene Oxide Modified with 8-Hydroxyquinoline for Extraction and Preconcentration of Trace Heavy Metal Ions. <i>ChemistrySelect</i> , 2017, 2, 1282-1289.	1.5	16

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37	Biosorption of Acridine Orange and Auramine O dyes onto MCM-41 mesoporous silica nanoparticles using high-accuracy UV-Vis partial least squares regression. <i>Journal of Molecular Liquids</i> , 2017, 248, 990-1002.	4.9	16
38	Amino-terminated hyper-branched polyamidoamine polymer grafted magnetic graphene oxide nanosheets as an efficient sorbent for the extraction of selective serotonin reuptake inhibitors from plasma samples. <i>Analytical Methods</i> , 2017, 9, 4504-4513.	2.7	16
39	Co-delivery of doxorubicin and conferone by novel pH-responsive β -cyclodextrin grafted micelles triggers apoptosis of metastatic human breast cancer cells. <i>Scientific Reports</i> , 2021, 11, 21425.	3.3	15
40	Magnetic carbon nanotubes modified with 1,4-diazabicyclo[2.2.2] octane are a viable sorbent for extraction of selective serotonin reuptake inhibitors. <i>Mikrochimica Acta</i> , 2017, 184, 1427-1436.	5.0	14
41	Speciation and Determination of Trace Amount of Inorganic Arsenic in Water, Environmental and Biological Samples. <i>Journal of the Chinese Chemical Society</i> , 2011, 58, 623-628.	1.4	12
42	Speciation and determination of Cr(III) and Cr(VI) by directly suspended droplet microextraction coupled with flame atomic absorption spectrometry: an application of central composite design strategy as an experimental design tool. <i>Analytical Methods</i> , 2016, 8, 5070-5078.	2.7	12
43	Plasmonic Ag/Ag ₂ O nanoparticles anchored needle-like Bi ₂ O ₃ as an efficient visible-light-driven nanocomposite photocatalyst. <i>Materials Research Bulletin</i> , 2018, 101, 311-318.	5.2	12
44	Efficient visible light-driven core-shell-structured ZnS@Ag ₂ S nanoparticles-anchored reduced graphene oxide for the reduction of Cr(VI). <i>New Journal of Chemistry</i> , 2020, 44, 14670-14678.	2.8	12
45	Extraction Spectrophotometric Determination of Trace Amounts of Perchlorate Based on Ion-Pair Formation with Thionine. <i>Journal of Analytical Chemistry</i> , 2005, 60, 816-818.	0.9	11
46	Studies of adsorption thermodynamics and kinetics of Cr(III) and Ni(II) removal by polyacrylamide. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 393-405.	0.8	10
47	Filter-Based Low-Toxic Emulsification Microextraction Followed by High-Performance Liquid Chromatography for Determination of Sudan Dyes in Foodstuff Samples. <i>Food Analytical Methods</i> , 2018, 11, 2287-2295.	2.6	10
48	Kinetic analysis of azo dye decolorization during their acid-base equilibria: photocatalytic degradation of tartrazine and sunset yellow. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 128, 555-570.	1.7	10
49	Novel pH-sensitive and biodegradable micelles for the combined delivery of doxorubicin and conferone to induce apoptosis in MDA-MB-231 breast cancer cell line. <i>RSC Advances</i> , 2020, 10, 29228-29246.	3.6	10
50	Adsorption of ternary toxic crystal violet, malachite green and methylene blue onto synthesised SBA-15 mesoporous nanoparticles. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 2512-2535.	3.3	10
51	Trace amounts determination of lead, zinc and copper by adsorptive stripping voltammetry in the presence of dopamine. <i>Journal of Analytical Chemistry</i> , 2010, 65, 511-517.	0.9	9
52	One-step determination of lead over a higher linear range by an artificial neural network after air-assisted liquid-liquid microextraction coupled to flame atomic absorption spectrometry. <i>Analytical Methods</i> , 2016, 8, 995-1002.	2.7	9
53	Nitrogen doped nano porous graphene as a sorbent for separation and preconcentration trace amounts of Pb, Cd and Cr by Ultrasonic assisted in-syringe dispersive micro solid phase extraction. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4162.	3.5	8
54	Covalently bonded dithiocarbamate-terminated hyperbranched polyamidoamine polymer on magnetic graphene oxide nanosheets as an efficient sorbent for preconcentration and separation of trace levels of some heavy metal ions in food samples. <i>Journal of Food Measurement and Characterization</i> , 2020, 14, 293-302.	3.2	8

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55	Catalytic Spectrophotometric Determination of Titanium(IV) Using Methylene Blue-Ascorbic Acid Redox Reaction. <i>Journal of the Chinese Chemical Society</i> , 2008, 55, 750-754.	1.4	7
56	Spectrophotometric determination of nitrite based on its catalytic effect on the reaction of nuclear fast red and potassium bromate. <i>Journal of the Serbian Chemical Society</i> , 2009, 74, 985-992.	0.8	7
57	Synthesis and application of a novel magnetic nanosorbent for determination of trace Cd(II), Ni(II), Pb(II), and Zn(II) in environmental samples. <i>Chemical Papers</i> , 2018, 72, 1451-1459.	2.2	7
58	On-line Ultrasound-Assisted Dispersive Micro-Solid-Phase Extraction Based on Amino Bimodal Mesoporous Silica Nanoparticles for the Preconcentration and Determination of Cadmium in Human Biological Samples. <i>Biological Trace Element Research</i> , 2016, 171, 472-481.	3.5	6
59	Selective trace determination of lead ions in different agricultural products using a novel core-shell magnetic ion-imprinted polymer with the aid of experimental design methodology. <i>New Journal of Chemistry</i> , 2017, 41, 8637-8643.	2.8	6
60	A novel thiosemicarbazide based chemosensor for colorimetric detection of Co ²⁺ in commercial B12 vitamin and Co ²⁺ , Ni ²⁺ simultaneously in aqueous media. <i>Supramolecular Chemistry</i> , 2021, 33, 513-526.	1.2	6
61	Mesoporous Silica Nanoparticles as an Adsorbent for Preconcentration and Determination of Trace Amount of Nickel in Environmental Samples by Atom Trap Flame Atomic Absorption Spectrometry. <i>Journal of Applied Spectroscopy</i> , 2016, 82, 1072-1077.	0.7	4
62	Synthesis of hierarchical RGO@Cu ₂ O@Cu nanocomposites: optimization of photocatalytic degradation of Direct Orange 39 using a response surface methodology. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 9618-9626.	2.2	4
63	Orange tree leaves, a perfect adsorbent for the removal of Cd (II), Co (II), Zn (II) from wastewater. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2019, 25, 107-117.	0.7	4
64	Kinetic Spectrophotometric Determination of Vanadium (V) Based on its Inhibitory Effect on the Thionine-Ascorbic Acid Reaction. <i>Analytical Letters</i> , 2000, 33, 2065-2073.	1.8	3
65	Application of Polyacrylamide for Methylene Blue Removal from Aqueous Solutions. <i>Journal of Applied Solution Chemistry and Modeling</i> , 2014, 3, 39-47.	0.4	3
66	Column Preconcentration and FAAS Determination of Heavy Metal Ions using Artemisia Siberi as an Adsorbent. <i>Journal of AOAC INTERNATIONAL</i> , 2014, 97, 1707-1712.	1.5	2
67	Nitrogen-modified nanoporous activated carbon from eucalyptus leaves for ultrasound-assisted removal of basic dyes using derivative spectrophotometric method. <i>Journal of the Serbian Chemical Society</i> , 2018, 83, 651-668.	0.8	2
68	In-vitro Aluminum Determination and Preconcentration in Blood of Dialysis Patients Based on Ionic Liquid Dispersive Liquid-Liquid Biomicroextraction by 2-Amino-3-(1H-imidazol-4-yl)propanoic Acid. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 921-928.		1
69	Preparation of graphene-nickel nanoparticles hybrid by spray pyrolysis using nickel oleate precursor and its application as a ferrofluid. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 558-564.	1.6	1
70	Simple determination of amphetamine and methamphetamine in complicated matrices by filter-based emulsification microextraction followed by high-performance liquid chromatography. <i>Separation Science Plus</i> , 2018, 1, 669-675.	0.6	1
71	Simultaneous monitoring of the photocatalytic degradation process of trifluralin and pendimethalin herbicides by SBA-15/TiO ₂ nanocomposite. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022, 18, 100678.	2.9	0