Bin Hu

List of Publications by Year
in descending order

376 papers	17,050 citations	13099 68 h-index	32842 100 g-index
380 all docs	380 docs citations	380 times ranked	10916 citing authors

#	Article	IF	Citations
1	Silica-coated magnetic nanoparticles modified with Î³-mercaptopropyltrimethoxysilane for fast and selective solid phase extraction of trace amounts of Cd, Cu, Hg, and Pb in environmental and biological samples prior to their determination by inductively coupled plasma mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 437-444.	2.9	367
2	A MOF/graphite oxide hybrid (MOF: HKUST-1) material for the adsorption of methylene blue from aqueous solution. Journal of Materials Chemistry A, 2013, 1, 10292.	10.3	261
3	Magnetic Zr-MOFs nanocomposites for rapid removal of heavy metal ions and dyes from water. Chemosphere, 2018, 199, 435-444.	8.2	225
4	Comparison of hollow fiber liquid phase microextraction and dispersive liquidâ€“liquid microextraction for the determination of organosulfur pesticides in environmental and beverage samples by gas chromatography with flame photometric detection. Journal of Chromatography A, 2008, 1193, 7-18.	3.7	213
5	A mercapto functionalized magnetic Zr-MOF by solvent-assisted ligand exchange for Hg²⁺ removal from water. Journal of Materials Chemistry A, 2016, 4, 5159-5166.	10.3	191
6	Separation/preconcentration of trace amounts of Cr, Cu and Pb in environmental samples by magnetic solid-phase extraction with Bismuthiol-II-immobilized magnetic nanoparticles and their determination by ICP-OES. Talanta, 2009, 77, 1579-1583.	5.5	190
7	A designable magnetic MOF composite and facile coordination-based post-synthetic strategy for the enhanced removal of Hg²⁺ from water. Journal of Materials Chemistry A, 2015, 3, 11587-11595.	10.3	179
8	Simultaneous on-line preconcentration and determination of trace metals in environmental samples by flow injection combined with inductively coupled plasma mass spectrometry using a nanometer-sized alumina packed micro-column. Analytica Chimica Acta, 2005, 540, 333-339.	5.4	176
9	Optimization of a single-drop microextraction procedure for the determination of organophosphorus pesticides in water and fruit juice with gas chromatography-flame photometric detection. Talanta, 2006, 69, 848-855.	5.5	171
10	Graphene oxideâ€“silica composite coating hollow fiber solid phase microextraction online coupled with inductively coupled plasma mass spectrometry for the determination of trace heavy metals in environmental water samples. Talanta, 2014, 123, 1-9.	5.5	161
11	Simultaneous speciation analysis of inorganic arsenic, chromium and selenium in environmental waters by 3-(2-aminoethylamino) propyltrimethoxysilane modified multi-wall carbon nanotubes packed microcolumn solid phase extraction and ICP-MS. Talanta, 2015, 131, 266-272.	5.5	161
12	Single-Drop Microextraction Combined with Low-Temperature Electrothermal Vaporization ICPMS for the Determination of Trace Be, Co, Pd, and Cd in Biological Samples. Analytical Chemistry, 2004, 76, 2910-2915.	6.5	160
13	Dispersive liquid phase microextraction (DLPME) combined with graphite furnace atomic absorption spectrometry (GFAAS) for determination of trace Co and Ni in environmental water and rice samples. Talanta, 2008, 74, 1160-1165.	5.5	151
14	Chromium(III)-imprinted silica gel for speciation analysis of chromium in environmental water samples with ICP-MS detection. Talanta, 2008, 75, 536-543.	5.5	147
15	Speciation of mercury in water and fish samples by HPLC-ICP-MS after magnetic solid phase extraction. Talanta, 2017, 171, 213-219.	5.5	145
16	Advanced functional materials in solid phase extraction for ICP-MS determination of trace elements and their species - A review. Analytica Chimica Acta, 2017, 973, 1-24.	5.4	145
17	Nanometer-size titanium dioxide microcolumn on-line preconcentration of trace metals and their determination by inductively coupled plasma atomic emission spectrometry in water. Analytica Chimica Acta, 2001, 440, 207-213.	5.4	142
18	Dithizone modified magnetic nanoparticles for fast and selective solid phase extraction of trace elements in environmental and biological samples prior to their determination by ICP-OES. Talanta, 2012, 88, 507-515.	5.5	139

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19	Ionic liquids based single drop microextraction combined with electrothermal vaporization inductively coupled plasma mass spectrometry for determination of Co, Hg and Pb in biological and environmental samples. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 1290-1296.	2.9	134
20	Simultaneous determination of several phytohormones in natural coconut juice by hollow fiber-based liquidâ€“liquidâ€“liquid microextraction-high performance liquid chromatography. Journal of Chromatography A, 2009, 1216, 7657-7663.	3.7	131
21	Determination of trace/ultratrace rare earth elements in environmental samples by ICP-MS after magnetic solid phase extraction with Fe3O4@SiO2@polyanilineâ€“graphene oxide composite. Talanta, 2014, 119, 458-466.	5.5	129
22	Magnetic solid phase extraction coupled with inductively coupled plasma mass spectrometry for the speciation of mercury in environmental water and human hair samples. Talanta, 2016, 146, 93-99.	5.5	127
23	Cloud point extraction for speciation of chromium in water samples by electrothermal atomic absorption spectrometry. Water Research, 2005, 39, 589-595.	11.3	119
24	Cellular uptake, elimination and toxicity of CdSe/ZnS quantum dots in HepG2 cells. Biomaterials, 2013, 34, 9545-9558.	11.4	115
25	Chitosan modified ordered mesoporous silica as micro-column packing materials for on-line flow injection-inductively coupled plasma optical emission spectrometry determination of trace heavy metals in environmental water samples. Talanta, 2009, 78, 491-497.	5.5	114
26	Nanometer-sized materials for solid-phase extraction of trace elements. Analytical and Bioanalytical Chemistry, 2015, 407, 2685-2710.	3.7	114
27	Determination of trace Cd and Pb in environmental and biological samples by ETV-ICP-MS after single-drop microextraction. Talanta, 2006, 70, 468-473.	5.5	110
28	Mesoporous titanium dioxide as a novel solid-phase extraction material for flow injection micro-column preconcentration on-line coupled with ICP-OES determination of trace metals in environmental samples. Talanta, 2007, 73, 274-281.	5.5	110
29	Comparison of dual solvent-stir bars microextraction and U-shaped hollow fiberâ€“liquid phase microextraction for the analysis of Sudan dyes in food samples by high-performance liquid chromatographyâ€“ultraviolet/mass spectrometry. Journal of Chromatography A, 2008, 1188, 124-131.	3.7	110
30	Nanometer-sized titanium dioxide micro-column on-line preconcentration of La, Y, Yb, Eu, Dy and their determination by inductively coupled plasma atomic emission spectrometry. Journal of Analytical Atomic Spectrometry, 2001, 16, 863-866.	3.0	109
31	The adsorption on magnetic hybrid Fe₃O₄/HKUST-1/GO of methylene blue from water solution. Journal of Materials Chemistry A, 2014, 2, 1795-1801.	10.3	106
32	Polydimethylsiloxane/metal-organic frameworks coated stir bar sorptive extraction coupled to high performance liquid chromatography-ultraviolet detector for the determination of estrogens in environmental water samples. Journal of Chromatography A, 2013, 1310, 21-30.	3.7	105
33	Speciation of inorganic tellurium from seawater by ICPâ€MS following magnetic SPE separation and preconcentration. Journal of Separation Science, 2008, 31, 760-767.	2.5	103
34	Facile Green Synthesis of Magnetic Porous Organic Polymers for Rapid Removal and Separation of Methylene Blue. ACS Sustainable Chemistry and Engineering, 2017, 5, 4050-4055.	6.7	101
35	Speciation of Cr(III) and Cr(VI) by nanometer titanium dioxide micro-column and inductively coupled plasma atomic emission spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2003, 58, 1709-1714.	2.9	99
36	Î³-MPTMS modified nanometer-sized alumina micro-column separation and preconcentration of trace amounts of Hg, Cu, Au and Pd in biological, environmental and geological samples and their determination by inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2004, 19, 984-989.	3.0	99

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37	8-Hydroxyquinolineâ€“chloroform single drop microextraction and electrothermal vaporization ICP-MS for the fractionation of aluminium in natural waters and drinks. Journal of Analytical Atomic Spectrometry, 2005, 20, 441-446.	3.0	99
38	Preparation of polydimethylsiloxane/Î²-cyclodextrin/divinylbenzene coated â€œdumbbell-shapedâ€•stir bar and its application to the analysis of polycyclic aromatic hydrocarbons and polycyclic aromatic sulfur heterocycles compounds in lake water and soil by high performance liquid chromatography. Analytica Chimica Acta, 2009, 641, 75-82.	5.4	98
39	On-line preconcentration and separation of Co, Ni and Cd via capillary microextraction on ordered mesoporous alumina coating and determination by inductively plasma mass spectrometry (ICP-MS). Analytica Chimica Acta, 2006, 572, 55-62.	5.4	95
40	Recent developments in stir bar sorptive extraction. Analytical and Bioanalytical Chemistry, 2014, 406, 2001-2026.	3.7	95
41	On-line cloud point extraction combined with electrothermal vaporization inductively coupled plasma atomic emission spectrometry for the speciation of inorganic antimony in environmental and biological samples. Analytica Chimica Acta, 2006, 576, 207-214.	5.4	94
42	Simultaneous speciation of inorganic arsenic and antimony in natural waters by dimercaptosuccinic acid modified mesoporous titanium dioxide micro-column on-line separation and inductively coupled plasma optical emission spectrometry determination. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 454-460.	2.9	94
43	Magnetic solid phase microextraction on a microchip combined with electrothermal vaporization-inductively coupled plasma mass spectrometry for determination of Cd, Hg and Pb in cells. Journal of Analytical Atomic Spectrometry, 2010, 25, 1931.	3.0	93
44	Chip-based array magnetic solid phase microextraction on-line coupled with inductively coupled plasma mass spectrometry for the determination of trace heavy metals in cells. Analyst, The, 2015, 140, 5619-5626.	3.5	93
45	Polydimethylsiloxane/covalent triazine frameworks coated stir bar sorptive extraction coupled with high performance liquid chromatography-ultraviolet detection for the determination of phenols in environmental water samples. Journal of Chromatography A, 2016, 1441, 8-15.	3.7	93
46	On-line separation and preconcentration of inorganic arsenic and selenium species in natural water samples with CTAB-modified alkyl silica microcolumn and determination by inductively coupled plasma-optical emission spectrometry. Talanta, 2008, 76, 772-779.	5.5	91
47	Hollow fiber liquid phase microextraction combined with electrothermal vaporization ICP-MS for the speciation of inorganic selenium in natural waters. Journal of Analytical Atomic Spectrometry, 2006, 21, 362.	3.0	90
48	Separation and preconcentration of inorganic arsenic species in natural water samples with 3-(2-aminoethylamino) propyltrimethoxysilane modified ordered mesoporous silica micro-column and their determination by inductively coupled plasma optical emission spectrometry. Journal of Hazardous Materials, 2009, 164, 1146-1151.	12.4	90
49	Solâ€“gel polydimethylsiloxane/poly(vinylalcohol)â€coated stir bar sorptive extraction of organophosphorus pesticides in honey and their determination by large volume injection GC. Journal of Separation Science, 2009, 32, 147-153.	2.5	86
50	A Facile Droplet-Chip-Time-Resolved Inductively Coupled Plasma Mass Spectrometry Online System for Determination of Zinc in Single Cell. Analytical Chemistry, 2017, 89, 4931-4938.	6.5	86
51	Size-dependent cytotoxicity study of ZnO nanoparticles in HepG2 cells. Ecotoxicology and Environmental Safety, 2019, 171, 337-346.	6.0	86
52	Hollow fiber liquid phase microextraction combined with electrothermal atomic absorption spectrometry for the speciation of arsenic (III) and arsenic (V) in fresh waters and human hair extracts. Analytica Chimica Acta, 2009, 634, 15-21.	5.4	84
53	Cloud point extraction with/without chelating agent on-line coupled with inductively coupled plasma optical emission spectrometry for the determination of trace rare earth elements in biological samples. Journal of Hazardous Materials, 2010, 174, 534-540.	12.4	83
54	Hollow-fiber liquid-phase microextraction prior to low-temperature electrothermal vaporization ICP-MS for trace element analysis in environmental and biological samples. Journal of Mass Spectrometry, 2007, 42, 803-810.	1.6	82

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55	Simultaneous determination of polar and apolar compounds in environmental samples by a polyaniline/hydroxyl multi-walled carbon nanotubes composite-coated stir bar sorptive extraction coupled with high performance liquid chromatography. Journal of Chromatography A, 2015, 1394, 36-45.	3.7	82
56	Speciation of butyltin compounds in environmental and biological samples using headspace single drop microextraction coupled with gas chromatography-inductively coupled plasma mass spectrometry. Journal of Chromatography A, 2008, 1211, 135-141.	3.7	80
57	Fast and selective magnetic solid phase extraction of trace Cd, Mn and Pb in environmental and biological samples and their determination by ICP-MS. Mikrochimica Acta, 2011, 175, 121-128.	5.0	78
58	Liquid phase microextraction for the analysis of trace elements and their speciation. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2013, 86, 14-30.	2.9	78
59	Cadmium (II) imprinted 3-mercaptopropyltrimethoxysilane coated stir bar for selective extraction of trace cadmium from environmental water samples followed by inductively coupled plasma mass spectrometry detection. Analytica Chimica Acta, 2012, 723, 54-60.	5.4	77
60	Aptamer-Based Dual-Functional Probe for Rapid and Specific Counting and Imaging of MCF-7 Cells. Analytical Chemistry, 2018, 90, 2355-2361.	6.5	77
61	Electrothermal vaporization inductively coupled plasma atomic emission spectrometry determination of gold, palladium, and platinum using chelating resin YPA4 as both extractant and chemical modifier. Talanta, 2004, 63, 585-592.	5.5	76
62	Hollow fiber-based liquidâ€“liquidâ€“liquid microextraction combined with high-performance liquid chromatography for the speciation of organomercury. Journal of Chromatography A, 2007, 1173, 44-51.	3.7	75
63	Polydimethylsiloxane/metal-organic frameworks coated stir bar sorptive extraction coupled to gas chromatography-flame photometric detection for the determination of organophosphorus pesticides in environmental water samples. Talanta, 2016, 156-157, 126-133.	5.5	75
64	Novel combined stir bar sorptive extraction coupled with ultrasonic assisted extraction for the determination of brominated flame retardants in environmental samples using high performance liquid chromatography. Journal of Chromatography A, 2007, 1160, 71-80.	3.7	73
65	Magnetic covalent triazine framework for rapid extraction of phthalate esters in plastic packaging materials followed by gas chromatography-flame ionization detection. Journal of Chromatography A, 2017, 1525, 32-41.	3.7	73
66	Headspace single drop microextraction combined with HPLC for the determination of trace polycyclic aromatic hydrocarbons in environmental samples. Talanta, 2008, 74, 470-477.	5.5	72
67	Chip-Based Magnetic Solid-Phase Microextraction Online Coupled with MicroHPLCâ€“ICPMS for the Determination of Mercury Species in Cells. Analytical Chemistry, 2016, 88, 796-802.	6.5	71
68	Recent Progress in Electrothermal Vaporizationâ€“Inductively Coupled Plasma Atomic Emission Spectrometry and Inductively Coupled Plasma Mass Spectrometry. Applied Spectroscopy Reviews, 2007, 42, 203-234.	6.7	70
69	Determination of Cd, Co, Ni and Pb in biological samples by microcolumn packed with black stone (Pierre noire) online coupled with ICP-OES. Journal of Hazardous Materials, 2008, 157, 410-417.	12.4	70
70	Study of the adsorption behavior Â¶of heavy metal ions on nanometer-size Â¶titanium dioxide with ICP-AES. Fresenius' Journal of Analytical Chemistry, 2000, 368, 638-640.	1.5	69
71	Amino modified multi-walled carbon nanotubes/polydimethylsiloxane coated stir bar sorptive extraction coupled to high performance liquid chromatography-ultraviolet detection for the determination of phenols in environmental samples. Journal of Chromatography A, 2013, 1300, 165-172.	3.7	69
72	Metal organic frameworks-derived magnetic nanoporous carbon for preconcentration of organophosphorus pesticides from fruit samples followed by gas chromatography-flame photometric detection. Journal of Chromatography A, 2019, 1583, 19-27.	3.7	69

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73	Speciation of dissolved Fe(II) and Fe(III) in environmental water samples by micro-column packed with N-benzoyl-N-phenylhydroxylamine loaded on microcrystalline naphthalene and determination by electrothermal vaporization inductively coupled plasma-optical emission spectrometry. Analytica Chimica Acta, 2006, 559, 113-119.	5.4	68
74	Comparison of headspace and direct single-drop microextraction and headspace solid-phase microextraction for the measurement of volatile sulfur compounds in beer and beverage by gas chromatography with flame photometric detection. Journal of Chromatography A, 2006, 1125, 133-137.	3.7	68
75	Light-induced pH change and its application to solid phase extraction of trace heavy metals by high-magnetization Fe3O4@SiO2@TiO2 nanoparticles followed by inductively coupled plasma mass spectrometry detection. Talanta, 2012, 94, 278-283.	5.5	68
76	Simultaneous on-line preconcentration and determination of trace metals in environmental samples using a modified nanometer-sized alumina packed micro-column by flow injection combined with ICP-OES. Talanta, 2007, 71, 1239-1245.	5.5	67
77	Sequential cloud point extraction for the speciation of mercury in seafood by inductively coupled plasma optical emission spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 1153-1160.	2.9	67
78	Simultaneous separation and speciation of inorganic As(III)/As(V) and Cr(III)/Cr(VI) in natural waters utilizing capillary microextraction on ordered mesoporous Al2O3 prior to their on-line determination by ICP-MS. Journal of Hazardous Materials, 2008, 151, 58-64.	12.4	67
79	Hollow fiber liquid-liquid-liquid microextraction combined with high performance liquid chromatography-ultraviolet detection for the determination of various environmental estrogens in environmental and biological samples. Journal of Chromatography A, 2013, 1305, 17-26.	3.7	67
80	A solâ€“gel polydimethylsiloxane/polythiophene coated stir bar sorptive extraction combined with gas chromatography-flame photometric detection for the determination of organophosphorus pesticides in environmental water samples. Journal of Chromatography A, 2013, 1275, 25-31.	3.7	67
81	Development of novel solâ€“gel coatings by chemically bonded ionic liquids for stir bar sorptive extractionâ€”application for the determination of NSAIDS in real samples. Analytical and Bioanalytical Chemistry, 2014, 406, 7261-7273.	3.7	67
82	Simultaneous speciation of inorganic selenium and antimony in water samples by electrothermal vaporization inductively coupled plasma mass spectrometry following selective cloud point extraction. Water Research, 2008, 42, 1195-1203.	11.3	66
83	Simultaneous detection of MCF-7 and HepG2 cells in blood by ICP-MS with gold nanoparticles and quantum dots as elemental tags. Biosensors and Bioelectronics, 2017, 90, 343-348.	10.1	66
84	Immunomagnetic Separation Combined with Inductively Coupled Plasma Mass Spectrometry for the Detection of Tumor Cells Using Gold Nanoparticle Labeling. Analytical Chemistry, 2014, 86, 8082-8089.	6.5	65
85	Graphene oxideâ€“TiO₂ composite as a novel adsorbent for the preconcentration of heavy metals and rare earth elements in environmental samples followed by on-line inductively coupled plasma optical emission spectrometry detection. RSC Advances, 2015, 5, 5996-6005.	3.6	65
86	Application of inductively coupled plasma mass spectrometry in the quantitative analysis of biomolecules with exogenous tags: A review. TrAC - Trends in Analytical Chemistry, 2017, 93, 78-101.	11.4	65
87	Highly Efficient Magnetic Nitrogen-Doped Porous Carbon Prepared by One-Step Carbonization Strategy for Hg²⁺ Removal from Water. ACS Applied Materials & Interfaces, 2017, 9, 2550-2559.	8.0	65
88	Principle and Application of Ambient Mass Spectrometry for Direct Analysis of Complex Samples. Chinese Journal of Analytical Chemistry, 2010, 38, 1069-1088.	1.7	64
89	A new ion-imprinted silica gel sorbent for on-line selective solid-phase extraction of dysprosium(III) with detection by inductively coupled plasma-atomic emission spectrometry. Analytica Chimica Acta, 2007, 597, 12-18.	5.4	63
90	Membrane solid phase microextraction with alumina hollow fiber on line coupled with ICP-OES for the determination of trace copper, manganese and nickel in environmental water samples. Journal of Hazardous Materials, 2011, 187, 379-385.	12.4	63

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91	Speciation analysis of vanadium in natural water samples by electrothermal vaporization inductively coupled plasma optical emission spectrometry after separation/preconcentration with thenoyltrifluoroacetone immobilized on microcrystalline naphthalene. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 65-71.	2.9	62
92	Gold nanoparticles labeling with hybridization chain reaction amplification strategy for the sensitive detection of HepG2 cells by inductively coupled plasma mass spectrometry. Biosensors and Bioelectronics, 2016, 86, 736-740.	10.1	62
93	Analysis of PBDEs in soil, dust, spiked lake water, and human serum samples by hollow fiber-liquid phase microextraction combined with GC-ICP-MS. Journal of the American Society for Mass Spectrometry, 2007, 18, 1740-1748.	2.8	61
94	Extractive Electrospray Ionization Mass Spectrometry for Sensitive Detection of Uranyl Species in Natural Water Samples. Analytical Chemistry, 2010, 82, 282-289.	6.5	61
95	Novel ion imprinted magnetic mesoporous silica for selective magnetic solid phase extraction of trace Cd followed by graphite furnace atomic absorption spectrometry detection. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 107, 115-124.	2.9	61
96	Simultaneous speciation of inorganic arsenic, selenium and tellurium in environmental water samples by dispersive liquid liquid microextraction combined with electrothermal vaporization inductively coupled plasma mass spectrometry. Talanta, 2015, 142, 213-220.	5.5	61
97	Stir bar sorptive extraction and its application. Journal of Chromatography A, 2021, 1637, 461810.	3.7	61
98	Graphene oxide/polyethyleneglycol composite coated stir bar for sorptive extraction of fluoroquinolones from chicken muscle and liver. Journal of Chromatography A, 2015, 1418, 36-44.	3.7	60
99	Arsenic Metabolites, Including N-Acetyl-4-hydroxy-m-arsanilic Acid, in Chicken Litter from a Roxarsone-Feeding Study Involving 1600 Chickens. Environmental Science & Technology, 2016, 50, 6737-6743.	10.0	60
100	Hollow fiber liquid phase microextraction combined with graphite furnace atomic absorption spectrometry for the determination of methylmercury in human hair and sludge samples. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 770-776.	2.9	59
101	C18-coated stir bar sorptive extraction combined with high performance liquid chromatographyâ€“electrospray tandem mass spectrometry for the analysis of sulfonamides in milk and milk powder. Talanta, 2012, 90, 77-84.	5.5	59
102	Sorptive extraction using polydimethylsiloxane/metalâ€“organic framework coated stir bars coupled with high performance liquid chromatography-fluorescence detection for the determination of polycyclic aromatic hydrocarbons in environmental water samples. Journal of Chromatography A, 2014, 1356, 45-53.	3.7	59
103	Water-compatible graphene oxide/molecularly imprinted polymer coated stir bar sorptive extraction of propranolol from urine samples followed by high performance liquid chromatography-ultraviolet detection. Journal of Chromatography A, 2016, 1443, 1-9.	3.7	58
104	Determination of platinum, palladium and rhodium in biological and environmental samples by low temperature electrothermal vaporization inductively coupled plasma atomic emission spectrometry with diethyldithiocarbamate as chemical modifier. Analytica Chimica Acta, 2004, 510, 45-51.	5.4	57
105	Magnetic solid-phase extraction using sulfur-containing functional magnetic polymer for high-performance liquid chromatography-inductively coupled plasma-mass spectrometric speciation of mercury in environmental samples. Journal of Chromatography A, 2019, 1595, 19-27.	3.7	57
106	Simultaneous speciation of inorganic selenium and tellurium in environmental water samples by polyaniline functionalized magnetic solid phase extraction coupled with ICP-MS detection. Talanta, 2020, 207, 120314.	5.5	57
107	Hollow-fibre liquid phase microextraction for separation and preconcentration of vanadium species in natural waters and their determination by electrothermal vaporization-ICP-OES. Talanta, 2007, 72, 472-479.	5.5	56
108	Nanometer-sized zirconium dioxide microcolumn separation/preconcentration of trace metals and their determination by ICP-OES in environmental and biological samples. Mikrochimica Acta, 2007, 159, 379-385.	5.0	56

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109	Ionic liquids improved reversed-phase HPLC on-line coupled with ICP-MS for selenium speciation. Talanta, 2011, 83, 724-731.	5.5	56
110	Speciation of selenium in cells by HPLC-ICP-MS after (on-chip) magnetic solid phase extraction. Journal of Analytical Atomic Spectrometry, 2013, 28, 334.	3.0	56
111	Adsorption Behavior of Noble Metal Ions (Au, Ag, Pd) on Nanometer-size Titanium Dioxide with ICP-AES. Analytical Sciences, 2003, 19, 1417-1420.	1.6	55
112	Speciation of dissolved iron(ii) and iron(iii) in environmental water samples by gallic acid-modified nanometer-sized alumina micro-column separation and ICP-MS determination. Analyst, The, 2005, 130, 1175.	3.5	55
113	Preparation of a high pH-resistant AAPTS-silica coating and its application to capillary microextraction (CME) of Cu, Zn, Ni, Hg and Cd from biological samples followed by on-line ICP-MS detection. Analytica Chimica Acta, 2007, 605, 1-10.	5.4	55
114	Determination of trace Cd and Pb in natural waters by direct single drop microextraction combined with electrothermal atomic absorption spectrometry. Mikrochimica Acta, 2008, 161, 101-107.	5.0	55
115	A novel strategy for sequential analysis of gold nanoparticles and gold ions in water samples by combining magnetic solid phase extraction with inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2014, 29, 444-453.	3.0	55
116	Chitosan modified magnetic nanoparticles based solid phase extraction combined with ICP-OES for the speciation of Cr(<scp>iii</scp>) and Cr(<scp>vi</scp>). Analytical Methods, 2014, 6, 8577-8583.	2.7	54
117	Titania immobilized polypropylene hollow fiber as a disposable coating for stir bar sorptive extractionâ€“high performance liquid chromatographyâ€“inductively coupled plasma mass spectrometry speciation of arsenic in chicken tissues. Journal of Chromatography A, 2011, 1218, 1-9.	3.7	53
118	Switchable solvent based liquid phase microextraction of trace lead and cadmium from environmental and biological samples prior to graphite furnace atomic absorption spectrometry detection. Microchemical Journal, 2018, 139, 380-385.	4.5	53
119	Thiol-Functionalized Magnetic Porous Organic Polymers for Highly Efficient Removal of Mercury. Industrial & Engineering Chemistry Research, 2017, 56, 13696-13703.	3.7	52
120	Magnetic porous organic polymers for magnetic solid-phase extraction of triazole fungicides in vegetables prior to their determination by gas chromatography-flame ionization detection. Journal of Chromatography A, 2019, 1601, 1-8.	3.7	51
121	Dispersive liquid liquid microextraction combined with electrothermal vaporization inductively coupled plasma mass spectrometry for the speciation of inorganic selenium in environmental water samples. Talanta, 2013, 115, 730-736.	5.5	50
122	Boronic acid recognition based-gold nanoparticle-labeling strategy for the assay of sialic acid expression on cancer cell surface by inductively coupled plasma mass spectrometry. Analyst, The, 2016, 141, 1286-1293.	3.5	50
123	Size- and dose-dependent cytotoxicity of ZIF-8 based on single cell analysis. Ecotoxicology and Environmental Safety, 2020, 205, 111110.	6.0	50
124	Solidified floating organic drop microextraction combined with ETV-ICP-MS for the determination of trace heavy metals in environmental water samples. Talanta, 2012, 94, 70-76.	5.5	49
125	Composition of Intracellular Protein Corona around Nanoparticles during Internalization. ACS Nano, 2021, 15, 3108-3122.	14.6	49
126	ICP-AES Determination of Trace Rare Earth Elements in Environmental and Food Samples by On-line Separation and Preconcentration with Acetylacetone-modified Silica Gel Using Microcolumn. Analytical Sciences, 2007, 23, 997-1002.	1.6	48

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127	Novel bimodal porous N-(2-aminoethyl)-3-aminopropyltrimethoxysilane-silica monolithic capillary microextraction and its application to the fractionation of aluminum in rainwater and fruit juice by electrothermal vaporization inductively coupled plasma mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 9-18.	2.9	48
128	Liquid chromatography combined with atomic and molecular mass spectrometry for speciation of arsenic in chicken liver. Journal of Chromatography A, 2014, 1370, 40-49.	3.7	48
129	Immunoaffinity monolithic capillary microextraction coupled with ICP-MS for immunoassay with quantum dot labels. Journal of Analytical Atomic Spectrometry, 2010, 25, 1674.	3.0	46
130	Covalent triazine framework-1 as adsorbent for inline solid phase extraction-high performance liquid chromatographic analysis of trace nitroimidazoles in porcine liver and environmental waters. Journal of Chromatography A, 2017, 1483, 40-47.	3.7	46
131	Organic and inorganic selenium speciation in environmental and biological samples by nanometerâ€sized materials packed dualâ€column separation/preconcentration onâ€line coupled with ICPâ€MS. Journal of Mass Spectrometry, 2008, 43, 336-345.	1.6	45
132	Stir bar sorptive extraction approaches with a home-made portable electric stirrer for the analysis of polycyclic aromatic hydrocarbon compounds in environmental water. Journal of Chromatography A, 2012, 1260, 16-24.	3.7	45
133	Restricted accessed material-copper(II) ion imprinted polymer solid phase extraction combined with inductively coupled plasma-optical emission spectrometry for the determination of free Cu(II) in urine and serum samples. Talanta, 2013, 116, 1040-1046.	5.5	45
134	Speciation of Cr III and Cr VI in Aqueous Samples by Coprecipitation/Slurry Sampling Fluorination Assisted Graphite Furnace Atomic Absorption Spectrometry. International Journal of Environmental Analytical Chemistry, 2002, 82, 387-393.	3.3	44
135	MPTS-silica coated capillary microextraction on line hyphenated with inductively coupled plasma atomic emission spectrometry for the determination of Cu, Hg and Pb in biological samples. Talanta, 2007, 73, 372-379.	5.5	44
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