Xiandeng Hou Hou

List of Publications by Year
in descending order

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243 papers	8,975 citations	41627 51 h-index	78623 77 g-index
245 all docs	245 docs citations	245 times ranked	7534 citing authors

#	Article	IF	Citations
1	Electrochemically Generated versus Photoexcited Luminescence from Semiconductor Nanomaterials: Bridging the Valley between Two Worlds. Chemical Reviews, 2014, 114, 11027-11059.	23.0	265
2	Semicondutor quantum dots-based metal ion probes. Nanoscale, 2014, 6, 43-64.	2.8	264
3	Phosphorescent Carbon Dots for Highly Efficient Oxygen Photosensitization and as Photo-oxidative Nanozymes. ACS Applied Materials & Interfaces, 2018, 10, 40808-40814.	4.0	192
4	Photo-induced chemical vapor generation with formic acid for ultrasensitive atomic fluorescence spectrometric determination of mercury: potential application to mercury speciation in water. Journal of Analytical Atomic Spectrometry, 2005, 20, 746.	1.6	185
5	Applications of chemical vapor generation in non-tetrahydroborate media to analytical atomic spectrometry. Journal of Analytical Atomic Spectrometry, 2010, 25, 1217.	1.6	156
6	Optically-active nanocrystals for inner filter effect-based fluorescence sensing: Achieving better spectral overlap. TrAC - Trends in Analytical Chemistry, 2019, 110, 183-190.	5.8	155
7	Critical evaluation of the application of photochemical vapor generation in analytical atomic spectrometry. Analytical and Bioanalytical Chemistry, 2007, 388, 769-774.	1.9	136
8	Ultrarapid in Situ Synthesis of Cu₂S Nanosheet Arrays on Copper Foam with Room-Temperature-Active Iodine Plasma for Efficient and Cost-Effective Oxygen Evolution. ACS Catalysis, 2018, 8, 3859-3864.	5.5	129
9	Microwave-induced fast incorporation of titanium into UiO-66 metalâ€“organic frameworks for enhanced photocatalytic properties. Chemical Communications, 2017, 53, 3361-3364.	2.2	121
10	Fe₃Nâ€Co₂N Nanowires Array: A Nonâ€Nobleâ€Metal Bifunctional Catalyst Electrode for Highâ€Performance Glucose Oxidation and H₂O₂ Reduction toward Nonâ€Enzymatic Sensing Applications. Chemistry - A European Journal, 2017, 23, 5214-5218.	1.7	117
11	Titanium Incorporation into Zrâ€Porphyrinic Metalâ€“Organic Frameworks with Enhanced Antibacterial Activity against Multidrugâ€Resistant Pathogens. Small, 2020, 16, e1906240.	5.2	116
12	Visual Detection of Fluoride Anions Using Mixed Lanthanide Metalâ€“Organic Frameworks with a Smartphone. Analytical Chemistry, 2020, 92, 2097-2102.	3.2	115
13	A Target-Triggered DNAzyme Motor Enabling Homogeneous, Amplified Detection of Proteins. Analytical Chemistry, 2017, 89, 12888-12895.	3.2	114
14	Recent Advances in Portable Xâ€Ray Fluorescence Spectrometry. Applied Spectroscopy Reviews, 2004, 39, 1-25.	3.4	112
15	Determination of Cadmium in Biological Samples. Applied Spectroscopy Reviews, 2006, 41, 35-75.	3.4	111
16	Recent Advance of Hydride Generationâ€“Analytical Atomic Spectrometry: Part Iâ€”Technique Development. Applied Spectroscopy Reviews, 2012, 47, 382-413.	3.4	97
17	Temperature and nano-TiO2 controlled photochemical vapor generation for inorganic selenium speciation analysis by AFS or ICP-MS without chromatographic separation. Journal of Analytical Atomic Spectrometry, 2008, 23, 514.	1.6	94
18	UV photochemical vapor generationâ€“atomic fluorescence spectrometric determination of conventional hydride generation elements. Microchemical Journal, 2010, 95, 32-37.	2.3	94

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19	Proteinâ€Directed Synthesis of Mnâ€Doped ZnS Quantum Dots: A Dualâ€Channel Biosensor for Two Proteins. Chemistry - A European Journal, 2013, 19, 7473-7479.	1.7	90
20	UV Photochemical Vapor Generation Sample Introduction for Determination of Ni, Fe, and Se in Biological Tissue by Isotope Dilution ICPMS. Analytical Chemistry, 2010, 82, 3899-3904.	3.2	89
21	Porous chitosan/hydroxyapatite composite membrane for dyes static and dynamic removal from aqueous solution. Journal of Hazardous Materials, 2017, 338, 241-249.	6.5	88
22	Electrothermal Vaporization for Universal Liquid Sample Introduction to Dielectric Barrier Discharge Microplasma for Portable Atomic Emission Spectrometry. Analytical Chemistry, 2014, 86, 5220-5224.	3.2	83
23	Versatile Thin-Film Reactor for Photochemical Vapor Generation. Analytical Chemistry, 2010, 82, 3086-3093.	3.2	78
24	High-Yield UV-Photochemical Vapor Generation of Iron for Sample Introduction with Inductively Coupled Plasma Optical Emission Spectrometry. Analytical Chemistry, 2010, 82, 2996-3001.	3.2	77
25	Sample matrix-assisted photo-induced chemical vapor generation: a reagent free green analytical method for ultrasensitive detection of mercury in wine or liquor samples. Journal of Analytical Atomic Spectrometry, 2006, 21, 82-85.	1.6	74
26	Recent Advance of Hydride Generationâ€“Analytical Atomic Spectrometry: Part IIâ€”Analysis of Real Samples. Applied Spectroscopy Reviews, 2012, 47, 495-517.	3.4	74
27	Ultrasensitive Speciation Analysis of Mercury in Rice by Headspace Solid Phase Microextraction Using Porous Carbons and Gas Chromatography-Dielectric Barrier Discharge Optical Emission Spectrometry. Environmental Science & Technology, 2016, 50, 2468-2476.	4.6	72
28	Copper Ion Assisted Photochemical Vapor Generation of Chlorine for Its Sensitive Determination by Sector Field Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2018, 90, 4112-4118.	3.2	72
29	Recent trends in atomic fluorescence spectrometry towards miniaturized instrumentation-A review. Analytica Chimica Acta, 2018, 1019, 25-37.	2.6	72
30	Cerium-based UiO-66 metalâ€“organic frameworks explored as efficient redox catalysts: titanium incorporation and generation of abundant oxygen vacancies. Chemical Communications, 2019, 55, 13959-13962.	2.2	72
31	Spectroscopy: The Best Way Toward Green Analytical Chemistry?. Applied Spectroscopy Reviews, 2007, 42, 119-138.	3.4	71
32	Determination of Hg, Fe, Ni, and Co by Miniaturized Optical Emission Spectrometry Integrated with Flow Injection Photochemical Vapor Generation and Point Discharge. Analytical Chemistry, 2015, 87, 10712-10718.	3.2	71
33	Vapor generation in dielectric barrier discharge for sensitive detection of mercury by inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2011, 26, 1204.	1.6	70
34	Hydride Generation for Headspace Solid-Phase Extraction with CdTe Quantum Dots Immobilized on Paper for Sensitive Visual Detection of Selenium. Analytical Chemistry, 2016, 88, 789-795.	3.2	70
35	Headspace Solid-Phase Microextraction Coupled to Miniaturized Microplasma Optical Emission Spectrometry for Detection of Mercury and Lead. Analytical Chemistry, 2018, 90, 3683-3691.	3.2	69
36	Tungsten devices in analytical atomic spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2002, 57, 659-688.	1.5	67

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37	Longâ€Lived Charge Carriers in Mnâ€Doped CdS Quantum Dots for Photoelectrochemical Cytosensing. Chemistry - A European Journal, 2015, 21, 5129-5135.	1.7	67
38	Dielectric Barrier Discharge in Analytical Spectrometry. Applied Spectroscopy Reviews, 2011, 46, 368-387.	3.4	66
39	UV photochemical vapor generation and in situ preconcentration for determination of ultra-trace nickel by flow injection graphite furnace atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2009, 24, 1452.	1.6	65
40	Low-toxic Mn-doped ZnSe@ZnS quantum dots conjugated with nano-hydroxyapatite for cell imaging. Nanoscale, 2014, 6, 14319-14325.	2.8	63
41	Room Temperature Cation Exchange Reaction in Nanocrystals for Ultrasensitive Speciation Analysis of Silver Ions and Silver Nanoparticles. Analytical Chemistry, 2015, 87, 6584-6591.	3.2	63
42	Phosphorescent Differential Sensing of Physiological Phosphates with Lanthanide Ions-Modified Mn-Doped ZnCdS Quantum Dots. Analytical Chemistry, 2016, 88, 5892-5897.	3.2	60
43	Dielectric Barrier Discharge Carbon Atomic Emission Spectrometer: Universal GC Detector for Volatile Carbon-Containing Compounds. Analytical Chemistry, 2014, 86, 936-942.	3.2	58
44	Modulation of the Singlet Oxygen Generation from the Double Strand DNA-SYBR Green I Complex Mediated by T-Melamine-T Mismatch for Visual Detection of Melamine. Analytical Chemistry, 2017, 89, 5101-5106.	3.2	58
45	Low Power, Low Temperature and Atmospheric Pressure Plasmaâ€Induced Polymerization: Facile Synthesis and Crystal Regulation of Covalent Organic Frameworks. Angewandte Chemie - International Edition, 2021, 60, 9984-9989.	7.2	57
46	On-line preconcentration and in situ photochemical vapor generation in coiled reactor for speciation analysis of mercury and methylmercury by atomic fluorescence spectrometry. Journal of Analytical Atomic Spectrometry, 2011, 26, 126-132.	1.6	56
47	Single Drop Solution Electrode Glow Discharge for Plasma Assisted-Chemical Vapor Generation: Sensitive Detection of Zinc and Cadmium in Limited Amounts of Samples. Analytical Chemistry, 2014, 86, 12093-12099.	3.2	56
48	Gold Nanoparticle-Based Colorimetric Assay for Selenium Detection via Hydride Generation. Analytical Chemistry, 2017, 89, 4695-4700.	3.2	56
49	AuNPs/COFs as a new type of SERS substrate for sensitive recognition of polyaromatic hydrocarbons. Chemical Communications, 2017, 53, 11044-11047.	2.2	55
50	Nanomaterials for photochemical vapor generation-analytical atomic spectrometry. TrAC - Trends in Analytical Chemistry, 2019, 114, 242-250.	5.8	55
51	Dielectric Barrier Discharge Molecular Emission Spectrometer as Multichannel GC Detector for Halohydrocarbons. Analytical Chemistry, 2011, 83, 5050-5055.	3.2	54
52	Exploring the tunable excitation of QDs to maximize the overlap with the absorber for inner filter effect-based phosphorescence sensing of alkaline phosphatase. Nanoscale, 2017, 9, 15606-15611.	2.8	52
53	Analyte-Activable Probe for Protease Based on Cytochrome C-Capped Mn: ZnS Quantum Dots. Analytical Chemistry, 2014, 86, 10078-10083.	3.2	51
54	Miniaturized Dielectric Barrier Discharge Carbon Atomic Emission Spectrometry with Online Microwave-Assisted Oxidation for Determination of Total Organic Carbon. Analytical Chemistry, 2014, 86, 6214-6219.	3.2	51

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55	Nanomaterials in speciation analysis of mercury, arsenic, selenium, and chromium by analytical atomic/molecular spectrometry. Applied Spectroscopy Reviews, 2018, 53, 333-348.	3.4	51
56	Photocatalytic oxidation of TMB with the double stranded DNAâ€“SYBR Green I complex for label-free and universal colorimetric bioassay. Chemical Communications, 2015, 51, 14465-14468.	2.2	50
57	Dielectric barrier discharge-assisted one-pot synthesis of carbon quantum dots as fluorescent probes for selective and sensitive detection of hydrogen peroxide and glucose. Talanta, 2015, 142, 51-56.	2.9	49
58	Colorimetric sensing of bithiols using photocatalytic UiO-66(NH2) as H2O2-free peroxidase mimics. Talanta, 2016, 158, 276-282.	2.9	49
59	In situ formation of nano-CdSe as a photocatalyst: cadmium ion-enhanced photochemical vapour generation directly from Se(<scp>vi</scp>). Chemical Communications, 2018, 54, 4874-4877.	2.2	49
60	Disposable Paper-Based Analytical Device for Visual Speciation Analysis of Ag(I) and Silver Nanoparticles (AgNPs). Analytical Chemistry, 2019, 91, 3359-3366.	3.2	49
61	Cobalt and Copper Ions Synergistically Enhanced Photochemical Vapor Generation of Molybdenum: Mechanism Study and Analysis of Water Samples. Analytical Chemistry, 2019, 91, 5938-5944.	3.2	49
62	Tungsten Coil Devices in Atomic Spectrometry: Absorption, Fluorescence, and Emission. Analytical Sciences, 2001, 17, 175-180.	0.8	48
63	Evaluation of tungsten coil electrothermal vaporization-Ar/H2 flame atomic fluorescence spectrometry for determination of eight traditional hydride-forming elements and cadmium without chemical vapor generation. Talanta, 2008, 74, 505-511.	2.9	48
64	Direct Determination of Trace Antimony in Natural Waters by Photochemical Vapor Generation ICPMS: Method Optimization and Comparison of Quantitation Strategies. Analytical Chemistry, 2015, 87, 7996-8004.	3.2	47
65	Point Discharge Optical Emission Spectrometer as a Gas Chromatography (GC) Detector for Speciation Analysis of Mercury in Human Hair. Analytical Chemistry, 2018, 90, 11996-12003.	3.2	47
66	Recyclable Decoration of Amine-Functionalized Magnetic Nanoparticles with Ni²⁺ for Determination of Histidine by Photochemical Vapor Generation Atomic Spectrometry. Analytical Chemistry, 2014, 86, 842-848.	3.2	46
67	Cost-effective and environmentally friendly synthesis of 3D Ni₂P from scrap nickel for highly efficient hydrogen evolution in both acidic and alkaline media. Journal of Materials Chemistry A, 2018, 6, 4088-4094.	5.2	46
68	Label-Free and Separation-Free Atomic Fluorescence Spectrometry-Based Bioassay: Sensitive Determination of Single-Strand DNA, Protein, and Double-Strand DNA. Analytical Chemistry, 2016, 88, 2065-2071.	3.2	45
69	Hydride generation-point discharge microplasma-optical emission spectrometry for the determination of trace As, Bi, Sb and Sn. Journal of Analytical Atomic Spectrometry, 2016, 31, 2427-2433.	1.6	44
70	Simultaneously Broadened Visible Light Absorption and Boosted Intersystem Crossing in Platinum-Doped Graphite Carbon Nitride for Enhanced Photosensitization. ACS Applied Materials & Interfaces, 2019, 11, 20770-20777.	4.0	44
71	Enhancement of photoredox catalytic properties of porphyrinic metalâ€“organic frameworks based on titanium incorporation via post-synthetic modification. Chemical Communications, 2018, 54, 8610-8613.	2.2	43
72	Plasma-catalysed reaction Mⁿ⁺+ Lâ€“H â†' MOFs: facile and tunable construction of metalâ€“organic frameworks in dielectric barrier discharge. Chemical Communications, 2019, 55, 12192-12195.	2.2	43

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73	Facile colorimetric sensing of Pb 2+ using bimetallic lanthanide metal-organic frameworks as luminescent probe for field screen analysis of lead-polluted environmental water. Microchemical Journal, 2017, 134, 140-145.	2.3	43
74	Photochemical vapor generation of carbonyl for ultrasensitive atomic fluorescence spectrometric determination of cobalt. Microchemical Journal, 2010, 96, 277-282.	2.3	42
75	Amine-functionalized titanium metal organic framework for photochemical vapor generation for determination of selenium by inductively coupled plasma optical emission spectrometry. Microchemical Journal, 2017, 132, 245-250.	2.3	41
76	Strand Displacement-Induced Enzyme-Free Amplification for Label-Free and Separation-Free Ultrasensitive Atomic Fluorescence Spectrometric Detection of Nucleic Acids and Proteins. Analytical Chemistry, 2016, 88, 12386-12392.	3.2	40
77	Selective reduction-based, highly sensitive and homogeneous detection of iodide and melamine using chemical vapour generation-atomic fluorescence spectrometry. Chemical Communications, 2018, 54, 4696-4699.	2.2	40
78	Atomic absorption spectrometric determination of trace tellurium after hydride trapping on platinum-coated tungsten coil. Microchemical Journal, 2010, 95, 320-325.	2.3	38
79	Single-Drop Solution Electrode Discharge-Induced Cold Vapor Generation Coupling to Matrix Solid-Phase Dispersion: A Robust Approach for Sensitive Quantification of Total Mercury Distribution in Fish. Analytical Chemistry, 2017, 89, 2093-2100.	3.2	38
80	Direct detection of mercury in vapor and aerosol from chemical atomization and nebulization at ambient temperature: exploiting the flame atomic absorption spectrometer. Journal of Analytical Atomic Spectrometry, 2005, 20, 760.	1.6	37
81	Arc/Spark Optical Emission Spectrometry: Principles, Instrumentation, and Recent Applications. Applied Spectroscopy Reviews, 2005, 40, 165-185.	3.4	37
82	Direct and simultaneous quantification of ATP, ADP and AMP by 1H and 31P Nuclear Magnetic Resonance spectroscopy. Talanta, 2016, 150, 485-492.	2.9	37
83	UV-induced carbonyl generation with formic acid for sensitive determination of nickel by atomic fluorescence spectrometry. Talanta, 2010, 80, 1239-1244.	2.9	36
84	Metal organic frameworks CAU-1 as new photocatalyst for photochemical vapour generation for analytical atomic spectrometry. Journal of Analytical Atomic Spectrometry, 2015, 30, 339-342.	1.6	36
85	Multivariate optimization of photochemical vapor generation for direct determination of arsenic in seawater by inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2015, 901, 34-40.	2.6	35
86	Plasma-assisted quadruple-channel optosensing of proteins and cells with Mn-doped ZnS quantum dots. Nanoscale, 2016, 8, 4291-4298.	2.8	35
87	Colorimetric determination of uranyl (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq1 1 0.784314 rgBT /Ov in seawater via DNAzyme-modulated photosensitization. Talanta, 2018, 185, 258-263.	2.9	35
88	Single Bimetallic Lanthanide-Based Metalâ€“Organic Frameworks for Visual Decoding of a Broad Spectrum of Molecules. Analytical Chemistry, 2020, 92, 5500-5508.	3.2	35
89	Determination of Cadmium in Biological Samples: An Update from 2006 to 2011. Applied Spectroscopy Reviews, 2012, 47, 327-370.	3.4	34
90	Online solid sampling platform using multi-wall carbon nanotube assisted matrix solid phase dispersion for mercury speciation in fish by HPLC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2015, 30, 882-887.	1.6	34

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91	Sensitive detection of bisphenol A by coupling solid phase microextraction based on monolayer graphene-coated Ag nanoparticles on Si fibers to surface enhanced Raman spectroscopy. Talanta, 2018, 187, 13-18.	2.9	34
92	Integration of Flow Injection Capillary Liquid Electrode Discharge Optical Emission Spectrometry and Microplasma-Induced Vapor Generation: A System for Detection of Ultratrace Hg and Cd in a Single Drop of Human Whole Blood. Analytical Chemistry, 2019, 91, 2701-2709.	3.2	34
93	DETERMINATION OF PLATINUM IN CLINICAL SAMPLES. Applied Spectroscopy Reviews, 2002, 37, 57-88.	3.4	33
94	Ultrasensitive determination of selenium by atomic fluorescence spectrometry using nano-TiO₂pre-concentration and in situhydride generation. Journal of Analytical Atomic Spectrometry, 2012, 27, 270-275.	1.6	33
95	Chemical Vapor Generation for Determination of Mercury by Inductively Coupled Plasma Mass Spectrometry. Applied Spectroscopy Reviews, 2007, 42, 79-102.	3.4	32
96	Thin film hydride generation: determination of ultra-trace copper by flow injection in situ hydride trapping graphite furnace AAS. Journal of Analytical Atomic Spectrometry, 2010, 25, 1159.	1.6	32
97	Antibody-biotemplated HgS nanoparticles: Extremely sensitive labels for atomic fluorescence spectrometric immunoassay. Analyst, The, 2012, 137, 1473.	1.7	32
98	Point Discharge Microplasma Optical Emission Spectrometer: Hollow Electrode for Efficient Volatile Hydride/Mercury Sample Introduction and 3D-Printing for Compact Instrumentation. Analytical Chemistry, 2019, 91, 7001-7006.	3.2	32
99	Determination of selenium by tungsten coil atomic absorption spectrometry using iridium as a permanent chemical modifier. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2001, 56, 203-214.	1.5	31
100	Determination of Arsenic and Mercury in Chinese Medicinal Herbs by Atomic Fluorescence Spectrometry with Closedâ€Vessel Microwave Digestion. Spectroscopy Letters, 2004, 37, 263-274.	0.5	31
101	Analytical Atomic Spectrometry for Nuclear Forensics. Applied Spectroscopy Reviews, 2005, 40, 245-267.	3.4	31
102	Recent Progress in Chemiluminescence for Gas Analysis. Applied Spectroscopy Reviews, 2010, 45, 474-489.	3.4	31
103	Preconcentration and in-situ photoreduction of trace selenium using TiO2 nanoparticles, followed by its determination by slurry photochemical vapor generation atomic fluorescence spectrometry. Mikrochimica Acta, 2014, 181, 197-204.	2.5	31
104	Integration of hydride generation and photochemical vapor generation for multi-element analysis of traditional Chinese medicine by ICP-OES. Microchemical Journal, 2015, 123, 164-169.	2.3	31
105	Continuous and Inexpensive Monitoring of Nonpurgeable Organic Carbon by Coupling High-Efficiency Photo-oxidation Vapor Generation with Miniaturized Point-Discharge Optical Emission Spectrometry. Environmental Science & Technology, 2017, 51, 9109-9117.	4.6	31
106	Chemical vapor generation by reaction of cadmium with potassium tetrahydroborate and sodium iodate in acidic aqueous solution for atomic fluorescence spectrometric application. Journal of Analytical Atomic Spectrometry, 2004, 19, 1010.	1.6	30
107	Photochemical vapor generation and in situ preconcentration for determination of mercury by graphite furnace atomic absorption spectrometry. Analytical Methods, 2015, 7, 3015-3021.	1.3	30
108	Pump- and Valve-Free Flow Injection Capillary Liquid Electrode Discharge Optical Emission Spectrometry Coupled to a Droplet Array Platform. Analytical Chemistry, 2017, 89, 703-710.	3.2	30

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109	Nano g-C3N4/TiO2 composite: A highly efficient photocatalyst for selenium (VI) photochemical vapor generation for its ultrasensitive AFS determination. Microchemical Journal, 2017, 135, 158-162.	2.3	30
110	Optical sensing at the nanobiointerface of metal ionâ€“optically-active nanocrystals. Nanoscale, 2018, 10, 5035-5046.	2.8	30
111	A RGB-Type Quantum Dot-based Sensor Array for Sensitive Visual Detection of Trace Formaldehyde in Air. Scientific Reports, 2016, 6, 36794.	1.6	29
112	Determination of Trace Metals in Drinking Water Using Solid-Phase Extraction Disks and X-ray Fluorescence Spectrometry. Applied Spectroscopy, 2003, 57, 338-342.	1.2	28
113	Simultaneous determination of trace cadmium and lead in single human hair by tungsten electrothermal vaporization-flame atomic fluorescence spectrometry. Microchemical Journal, 2014, 114, 182-186.	2.3	28
114	Selective determination of Cr(â...¥) and non-chromatographic speciation analysis of inorganic chromium by chemical vapor generation-inductively coupled plasma mass spectrometry. Talanta, 2020, 218, 121128.	2.9	28
115	Dielectric barrier discharge plasma for nanomaterials: Fabrication, modification and analytical applications. TrAC - Trends in Analytical Chemistry, 2022, 156, 116715.	5.8	28
116	Determination of Trace Cadmium and Zinc in Corn Kernels and Related Soil Samples by Atomic Absorption and Chemical Vapor Generation Atomic Fluorescence After Microwaveâ€Assisted Digestion. Spectroscopy Letters, 2006, 39, 29-43.	0.5	27
117	Three-Dimensional Printed Dual-Mode Chemical Vapor Generation Point Discharge Optical Emission Spectrometer for Field Speciation Analyses of Mercury and Inorganic Selenium. Analytical Chemistry, 2021, 93, 14923-14928.	3.2	27
118	Covalent triazine framework-1: A novel oxidase and peroxidase mimic. Microchemical Journal, 2017, 135, 91-99.	2.3	26
119	Recombinase Polymerase Amplification Coupled with a Photosensitization Colorimetric Assay for Fast Salmonella spp. Testing. Analytical Chemistry, 2021, 93, 6559-6566.	3.2	26
120	UV-induced atomization of gaseous mercury hydrides for atomic fluorescence spectrometric detection of inorganic and organic mercury after high performance liquid chromatographic separation. Journal of Analytical Atomic Spectrometry, 2013, 28, 510.	1.6	25
121	Phosphorescent inner filter effect-based sensing of xanthine oxidase and its inhibitors with Mn-doped ZnS quantum dots. Nanoscale, 2018, 10, 8477-8482.	2.8	25
122	Cobalt ion-enhanced photochemical vapor generation in a mixed acid medium for sensitive detection of tellurium(<scp>iv</scp>) by atomic fluorescence spectrometry. Journal of Analytical Atomic Spectrometry, 2020, 35, 1405-1411.	1.6	25
123	A colorimetric assay for the determination of trace arsenic based on in-situ formation of AuNPs with synergistic effect of arsine and iodide. Analytica Chimica Acta, 2021, 1144, 61-67.	2.6	25
124	Improved hollow fiber supported liquidâ€“liquidâ€“liquid membrane microextraction for speciation of inorganic and organic mercury by capillary electrophoresis. Analytical Methods, 2013, 5, 1185.	1.3	24
125	Flow injection hydride generation for on-atomizer trapping: Highly sensitive determination of cadmium by tungsten coil atomic absorption spectrometry. Microchemical Journal, 2014, 112, 7-12.	2.3	24
126	Glucose oxidase-directed, instant synthesis of Mn-doped ZnS quantum dots in neutral media with retained enzymatic activity: mechanistic study and biosensing application. Journal of Materials Chemistry B, 2015, 3, 5942-5950.	2.9	24

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127	A chemiluminescence metalloimmunoassay for sensitive detection of alpha-fetoprotein in human serum using Fe-MIL-88B-NH₂as a label. Applied Spectroscopy Reviews, 2016, 51, 517-526.	3.4	24
128	On-line UV photochemical generation of volatile copper species and its analytical application. Microchemical Journal, 2016, 124, 344-349.	2.3	24
129	AuNCs-Catalyzed Hydrogen Selenide Oxidation: Mechanism and Application for Headspace Fluorescent Detection of Se(IV). Analytical Chemistry, 2019, 91, 6141-6148.	3.2	24
130	A miniaturized UV-LED photochemical vapor generator for atomic fluorescence spectrometric determination of trace selenium. Journal of Analytical Atomic Spectrometry, 2018, 33, 1217-1223.	1.6	22
131	Cadmium and cobalt ions enhanced-photochemical vapor generation for determination of trace rhenium by ICP-MS. Applied Spectroscopy Reviews, 2022, 57, 318-337.	3.4	22
132	Methanol-Enhanced Liquid Electrode Discharge Microplasma-Induced Vapor Generation of Hg, Cd, and Zn: The Possible Mechanism and Its Application. Analytical Chemistry, 2021, 93, 8257-8264.	3.2	22
133	Inductively coupled plasma mass spectrometry for determination of total urinary protein with CdTe quantum dots label. Journal of Analytical Atomic Spectrometry, 2011, 26, 2493.	1.6	21
134	Determination of ultratrace nitrogen in pure argon gas by dielectric barrier discharge-molecular emission spectrometry. Microchemical Journal, 2011, 99, 114-117.	2.3	21
135	Chemical vapor generation from an ionic liquid using a solid reductant: determination of Hg, As and Sb by atomic fluorescence spectrometry. Journal of Analytical Atomic Spectrometry, 2016, 31, 415-422.	1.6	21
136	Sub-ppt determination of butyltins, methylmercury and inorganic mercury in natural waters by dynamic headspace in-tube extraction and GC-ICPMS detection. Journal of Analytical Atomic Spectrometry, 2017, 32, 2447-2454.	1.6	21
137	Headspace Solid-Phase Microextraction Following Chemical Vapor Generation for Ultrasensitive, Matrix Effect-Free Detection of Nitrite by Microplasma Optical Emission Spectrometry. Analytical Chemistry, 2021, 93, 6972-6979.	3.2	21
138	Photochemical Vapor Generation of Halides in Organic-Acid-Free Media: Mechanism Study and Analysis of Water Samples. Analytical Chemistry, 2021, 93, 11151-11158.	3.2	21
139	Determination of trace mercury in geological samples by direct slurry sampling cold vapor generation atomic absorption spectrometry. Mikrochimica Acta, 2008, 160, 191-195.	2.5	20
140	An optical humidity sensor based on CdTe nanocrystals modified porous silicon. Microchemical Journal, 2013, 108, 100-105.	2.3	20
141	Photochemical vapor generation for removing nickel impurities from carbon nanotubes and its real-time monitoring by atomic fluorescence spectrometry. Microchemical Journal, 2014, 117, 83-88.	2.3	20
142	UV-assisted Fenton digestion of rice for the determination of trace cadmium by hydride generation atomic fluorescence spectrometry. Analyst, The, 2016, 141, 1512-1518.	1.7	20
143	Amplified binding-induced homogeneous assay through catalytic cycling of analyte for ultrasensitive protein detection. Chemical Communications, 2016, 52, 1816-1819.	2.2	20
144	Spatially Constrained DNA Nanomachines To Accelerate Kinetics in Response to External Input: Design and Bioanalysis. Analytical Chemistry, 2020, 92, 8909-8916.	3.2	20

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145	Simple fluorescence sensing of extreme acidity based on inner filter effect of ascorbic acid to fluorescent Au nanoclusters. Nanoscale, 2017, 9, 10167-10172.	2.8	19
146	Synergy of adsorption and photosensitization of graphene oxide for improved removal of organic pollutants. RSC Advances, 2017, 7, 16204-16209.	1.7	19
147	Low-Temperature and Atmospheric Pressure Sample Digestion Using Dielectric Barrier Discharge. Analytical Chemistry, 2018, 90, 1547-1553.	3.2	19
148	Atomic spectrometry and atomic mass spectrometry in bioanalytical chemistry. Applied Spectroscopy Reviews, 2019, 54, 180-203.	3.4	19
149	A brief review on mass/optical spectrometry for imaging analysis of biological samples. Applied Spectroscopy Reviews, 2019, 54, 57-85.	3.4	19
150	Surface-enhanced Raman scattering using monolayer graphene-encapsulated Ag nanoparticles as a substrate for sensitive detection of 2,4,6-trinitrotoluene. Analytical Methods, 2017, 9, 3105-3113.	1.3	18
151	A silver nanoparticle-based colorimetric assay of trace selenium with hydride generation for sample introduction. Microchemical Journal, 2018, 141, 258-263.	2.3	18
152	Growth of Carbonaceous Nanoparticles on Steel Fiber from Candle Flame for the Long-Term Preservation of Ultratrace Mercury by Solid-Phase Microextraction. Analytical Chemistry, 2020, 92, 9583-9590.	3.2	18
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