Xiandeng Hou Hou

List of Publications by Year
in descending order

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243	8,975	36303	69250
papers	citations	51 h-index	77 g-index

245	245	245	6767
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An overview of alcoholic beverages discrimination and a study on identification of bland Chinese liquors by ¹³C-NMR and ¹H-NMR spectra. Applied Spectroscopy Reviews, 2023, 58, 252-270.	6.7	2
2	Cadmium and cobalt ions enhanced-photochemical vapor generation for determination of trace rhenium by ICP-MS. Applied Spectroscopy Reviews, 2022, 57, 318-337.	6.7	22
3	Sensitive detection of trace 4-methylimidazole utilizing a derivatization reaction-based ratiometric surface-enhanced Raman scattering platform. Talanta, 2022, 237, 122925.	5.5	4
4	Ultrasensitive determination and non-chromatographic speciation of inorganic arsenic in foods and water by photochemical vapor generation-ICPMS using CdS/MIL-100(Fe) as adsorbent and photocatalyst. Food Chemistry, 2022, 375, 131841.	8.2	12
5	Highly sensitive determination of trace antimony in water samples by cobalt ion enhanced photochemical vapor generation coupled with atomic fluorescence spectrometry or ICP-MS. Analytica Chimica Acta, 2022, 1191, 339361.	5.4	11
6	Proteinâ€Recognitionâ€Initiated Exponential Amplification Reaction (PRIEAR) and Its Application in Clinical Diagnosis. ChemBioChem, 2022, , .	2.6	2
7	In situ optical spectroscopy for monitoring plasma-assisted formation of lanthanide metalâ€“organic frameworks. Chemical Communications, 2022, 58, 5419-5422.	4.1	5
8	Simultaneous Detection of Ruthenium and Osmium by Photochemical Vapor Generation-Inductively Coupled Plasma-Mass Spectrometry. Analytical Chemistry, 2022, 94, 593-599.	6.5	17
9	UiO-66-NH2: An easily attainable and label-free turn-on probe for facile fluorescence sensing of alkaline phosphatase. Microchemical Journal, 2022, 179, 107516.	4.5	7
10	Catalysts in photochemical vapor generation. , 2022, , 265-281.		0
11	Microdischarge in Flame as a Source-in-Source for Boosted Excitation of Optical Emission of Chromium. Analytical Chemistry, 2022, 94, 7683-7691.	6.5	6
12	Current advances of chemical vapor generation in non-tetrahydroborate media for analytical atomic spectrometry. TrAC - Trends in Analytical Chemistry, 2022, 155, 116677.	11.4	16
13	Biomolecule-guided co-localization of intermolecular G-rich strands for the construction of a tetramolecular G-quadruplex sensing strategy. Chemical Communications, 2022, 58, 6914-6917.	4.1	1
14	Nanoscale metal organic frameworks and their applications in disease diagnosis and therapy. Microchemical Journal, 2022, 180, 107595.	4.5	4
15	Dielectric barrier discharge plasma for nanomaterials: Fabrication, modification and analytical applications. TrAC - Trends in Analytical Chemistry, 2022, 156, 116715.	11.4	28
16	Dielectric barrier discharge-accelerated one-pot synthesis of sulfur quantum dots for fluorescent sensing of lead ions and <scp>l</scp>-cysteine. Chemical Communications, 2022, 58, 8614-8617.	4.1	8
17	Novel â€œTurn-Onâ€•Luminescent Chemosensor for Arginine by Using a Lanthanide Metalâ€“Organic Framework Photosensitizer. Analytical Chemistry, 2022, 94, 10271-10277.	6.5	13
18	Chemometric intraregional discrimination of Chinese liquors based on multi-element determination by ICP-MS and ICP-OES. Applied Spectroscopy Reviews, 2021, 56, 115-127.	6.7	9

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19	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.	5.4	25
20	Quantification of 13C, 15N labelled compounds with 13C, 15N edited 1H Nuclear Magnetic Resonance spectroscopy. Talanta, 2021, 224, 121839.	5.5	2
21	Cross double point discharge as enhanced excitation source for highly sensitive determination of arsenic, mercury and lead by optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2021, 36, 1193-1200.	3.0	16
22	Microplasma-induced vapor generation for rapid, sample preparation-free screening of mercury in fruits and vegetables. Analyst, The, 2021, 146, 3852-3857.	3.5	7
23	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.	13.8	57
24	Low Power, Low Temperature and Atmospheric Pressure Plasmaâ€Induced Polymerization: Facile Synthesis and Crystal Regulation of Covalent Organic Frameworks. Angewandte Chemie, 2021, 133, 10072-10077.	2.0	8
25	Recombinase Polymerase Amplification Coupled with a Photosensitization Colorimetric Assay for Fast Salmonella spp. Testing. Analytical Chemistry, 2021, 93, 6559-6566.	6.5	26
26	In-site and solvent-free exfoliation of porous graphene oxide from pencil lead fiber for solid-phase microextraction of cadmium ion before GF-AAS determination. Mikrochimica Acta, 2021, 188, 172.	5.0	16
27	MnFe2O4 micromotors enhanced field digestion and solid phase extraction for on-site determination of arsenic in rice and water. Analytica Chimica Acta, 2021, 1156, 338354.	5.4	14
28	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.	6.5	21
29	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.	6.5	22
30	Visual detection of S^{2â^'} with a paperâ€based fluorescence sensor coated with CdTe quantum dots via headspace sampling. Luminescence, 2021, 36, 1525-1530.	2.9	12
31	Interface-free integration of electrothermal vaporizer and point discharge microplasma for miniaturized optical emission spectrometer. Analytica Chimica Acta, 2021, 1163, 338502.	5.4	11
32	Activation of catalytic DNAzyme by bindingâ€induced DNA displacement for homogeneous assay. Luminescence, 2021, 36, 1498-1506.	2.9	2
33	A signal conversion system using bindingâ€induced strand displacement for disease biomarker assay. Luminescence, 2021, 36, 1483-1490.	2.9	6
34	Resurgence of Sandstorms Complicates Chinaâ€™s Air Pollution Situation. Environmental Science & Technology, 2021, 55, 11467-11469.	10.0	17
35	Photochemical Vapor Generation of Halides in Organic-Acid-Free Media: Mechanism Study and Analysis of Water Samples. Analytical Chemistry, 2021, 93, 11151-11158.	6.5	21
36	Miniaturized TOC analyzer using dielectric barrier discharge for catalytic oxidation vapor generation and point discharge optical emission spectrometry. Analytica Chimica Acta, 2021, 1172, 338683.	5.4	8

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37	Stimuli-Responsive Three-Dimensional DNA Nanomachines Engineered by Controlling Dynamic Interactions at Biomolecule-Nanoparticle Interfaces. ACS Nano, 2021, 15, 16870-16877.	14.6	17
38	Flow injection hydride generation and on-line W-coil trapping for electrothermal vaporization dielectric barrier discharge atomic emission spectrometric determination of trace cadmium. Talanta, 2021, 233, 122516.	5.5	9
39	A facile photochemical strategy for the synthesis of high-performance amorphous MoS₂ nanoparticles. Nanoscale Advances, 2021, 3, 2830-2836.	4.6	5
40	A miniaturized UV-LED array chip-based photochemical vapor generator coupled with a point discharge optical emission spectrometer for the determination of trace selenium. Journal of Analytical Atomic Spectrometry, 2021, 36, 2735-2743.	3.0	8
41	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.	6.5	27
42	Determination of the isotopic composition of lutetium using MC-ICPMS. Analytical and Bioanalytical Chemistry, 2020, 412, 6257-6263.	3.7	5
43	Visual Detection of Fluoride Anions Using Mixed Lanthanide Metalâ€“Organic Frameworks with a Smartphone. Analytical Chemistry, 2020, 92, 2097-2102.	6.5	115
44	Mono-dispersed nano-hydroxyapatite based MRI probe with tetrahedral DNA nanostructures modification for inÂvitro tumor cell imaging. Analytica Chimica Acta, 2020, 1138, 141-149.	5.4	13
45	A simple dilution method for the direct determination of trace nickel in crude oil with a miniaturized electrothermal atomic absorption spectrometer. Journal of Analytical Atomic Spectrometry, 2020, 35, 2656-2662.	3.0	11
46	Facile synthesis of chitosan membranes for visible-light-driven photocatalytic degradation of tetracycline hydrochloride. RSC Advances, 2020, 10, 45171-45179.	3.6	15
47	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.	3.0	25
48	Can low-temperature point discharge Be used as atomic emission source for sensitive determination of cyclic volatile methylsiloxanes?. Analytica Chimica Acta, 2020, 1124, 121-128.	5.4	2
49	Spatially Constrained DNA Nanomachines To Accelerate Kinetics in Response to External Input: Design and Bioanalysis. Analytical Chemistry, 2020, 92, 8909-8916.	6.5	20
50	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.	6.5	18
51	Single Bimetallic Lanthanide-Based Metalâ€“Organic Frameworks for Visual Decoding of a Broad Spectrum of Molecules. Analytical Chemistry, 2020, 92, 5500-5508.	6.5	35
52	Reduction of mercury(II) by electrons contained in carbon dots: An environmentally friendly cold vapor generation for mercury analysis. Chinese Chemical Letters, 2020, 31, 2678-2682.	9.0	14
53	Simple Universal Strategy for Quantification of Carboxyl Groups on Carbon Nanomaterials: Carbon Dioxide Vapor Generation Coupled to Microplasma for Optical Emission Spectrometric Detection. Analytical Chemistry, 2020, 92, 3528-3534.	6.5	15
54	Toehold-regulated competitive assembly to accelerate the kinetics of graphene oxide-based biosensors. Journal of Materials Chemistry B, 2020, 8, 3683-3689.	5.8	3

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55	Titanium Incorporation into Zrâ€Porphyrinic Metalâ€“Organic Frameworks with Enhanced Antibacterial Activity against Multidrugâ€Resistant Pathogens. Small, 2020, 16, e1906240.	10.0	116
56	Building an anti-interfering DNAzyme-powered micromachine resistant to being inhibited by biological matrices. Chemical Communications, 2020, 56, 2658-2661.	4.1	4
57	Concentric DNA Amplifier That Streamlines In-Solution Biorecognition and On-Particle Biocatalysis. Analytical Chemistry, 2020, 92, 3220-3227.	6.5	17
58	Portable photochemical vapor generation-microwave plasma optical emission spectrometer. Journal of Analytical Atomic Spectrometry, 2020, 35, 1316-1319.	3.0	14
59	Determination of the Isotopic Composition of Gadolinium Using Multicollector Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2020, 92, 6103-6110.	6.5	5
60	Atmospheric low-temperature plasma for direct post-synthetic modification of UiO-66. Chemical Communications, 2020, 56, 5803-5806.	4.1	12
61	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.	5.5	28
62	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.	6.5	34
63	Systematic Probing of the Sequence Selectivity of Exonuclease III with a Photosensitization Colorimetric Assay. ACS Omega, 2019, 4, 13382-13387.	3.5	8
64	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.	4.1	43
65	Disposable Paper-Based Analytical Device for Visual Speciation Analysis of Ag(I) and Silver Nanoparticles (AgNPs). Analytical Chemistry, 2019, 91, 3359-3366.	6.5	49
66	Universal and label-free photosensitization colorimetric assays enabled by target-induced termini transformation of dsDNA resistant to Exo III digestion. Chemical Communications, 2019, 55, 7211-7214.	4.1	5
67	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.	8.0	44
68	Atomic spectrometry and atomic mass spectrometry in bioanalytical chemistry. Applied Spectroscopy Reviews, 2019, 54, 180-203.	6.7	19
69	Dynamic reaction regulated surface-enhanced Raman scattering for detection of trace formaldehyde. Talanta, 2019, 202, 274-278.	5.5	11
70	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.	6.5	32
71	AuNCs-Catalyzed Hydrogen Selenide Oxidation: Mechanism and Application for Headspace Fluorescent Detection of Se(IV). Analytical Chemistry, 2019, 91, 6141-6148.	6.5	24
72	Expanding DNA nanomachine functionality through binding-induced DNA output for application in clinical diagnosis. Chemical Communications, 2019, 55, 3610-3613.	4.1	12

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73	Nanomaterials for photochemical vapor generation-analytical atomic spectrometry. TrAC - Trends in Analytical Chemistry, 2019, 114, 242-250.	11.4	55
74	Cobalt and Copper Ions Synergistically Enhanced Photochemical Vapor Generation of Molybdenum: Mechanism Study and Analysis of Water Samples. Analytical Chemistry, 2019, 91, 5938-5944.	6.5	49
75	DNA-modulated photosensitization: current status and future aspects in biosensing and environmental monitoring. Analytical and Bioanalytical Chemistry, 2019, 411, 4415-4423.	3.7	9
76	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.	4.1	72
77	Optically-active nanocrystals for inner filter effect-based fluorescence sensing: Achieving better spectral overlap. TrAC - Trends in Analytical Chemistry, 2019, 110, 183-190.	11.4	155
78	A brief review on mass/optical spectrometry for imaging analysis of biological samples. Applied Spectroscopy Reviews, 2019, 54, 57-85.	6.7	19
79	Headspace Solid-Phase Microextraction Coupled to Miniaturized Microplasma Optical Emission Spectrometry for Detection of Mercury and Lead. Analytical Chemistry, 2018, 90, 3683-3691.	6.5	69
80	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.	6.5	72
81	Accelerating DNA nanomotor by branched DNAzyme for ultrasensitive optical detection of thrombin. Microchemical Journal, 2018, 139, 260-267.	4.5	12
82	Aggregation-induced phosphorescence enhancement of Mn-doped ZnS quantum dots: the role of dot-to-dot distance. Nanoscale, 2018, 10, 9236-9244.	5.6	15
83	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.	4.1	49
84	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.	4.1	40
85	Recent trends in atomic fluorescence spectrometry towards miniaturized instrumentation-A review. Analytica Chimica Acta, 2018, 1019, 25-37.	5.4	72
86	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.	10.3	46
87	Optical sensing at the nanobiointerface of metal ionâ€“optically-active nanocrystals. Nanoscale, 2018, 10, 5035-5046.	5.6	30
88	Low-Temperature and Atmospheric Pressure Sample Digestion Using Dielectric Barrier Discharge. Analytical Chemistry, 2018, 90, 1547-1553.	6.5	19
89	A miniaturized UV-LED photochemical vapor generator for atomic fluorescence spectrometric determination of trace selenium. Journal of Analytical Atomic Spectrometry, 2018, 33, 1217-1223.	3.0	22
90	Phosphorescent inner filter effect-based sensing of xanthine oxidase and its inhibitors with Mn-doped ZnS quantum dots. Nanoscale, 2018, 10, 8477-8482.	5.6	25

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91	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.	5.5	35
92	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.	11.2	129
93	Nanomaterials in speciation analysis of mercury, arsenic, selenium, and chromium by analytical atomic/molecular spectrometry. Applied Spectroscopy Reviews, 2018, 53, 333-348.	6.7	51
94	pH detection in biological samples by 1D and 2D 1Hâ€“31P NMR. Talanta, 2018, 178, 538-544.	5.5	7
95	On-line chemical vapor generation for determination of total sulfur dioxide in wine samples using an atomic fluorescence spectrometer. Journal of Analytical Atomic Spectrometry, 2018, 33, 161-167.	3.0	10
96	Applications of silica-based nanoparticles for multimodal bioimaging. Applied Spectroscopy Reviews, 2018, 53, 377-394.	6.7	16
97	Designing DNAzymeâ€Powered Nanomachines Simultaneously Responsive to Multiple MicroRNAs. Chemistry - A European Journal, 2018, 24, 19024-19031.	3.3	16
98	Phosphorescent Carbon Dots for Highly Efficient Oxygen Photosensitization and as Photo-oxidative Nanozymes. ACS Applied Materials & Interfaces, 2018, 10, 40808-40814.	8.0	192
99	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.	6.5	47
100	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.	5.5	34
101	A silver nanoparticle-based colorimetric assay of trace selenium with hydride generation for sample introduction. Microchemical Journal, 2018, 141, 258-263.	4.5	18
102	Effect of variable ultraviolet wavelength and intensity on photochemical vapor generation of trace selenium detected by atomic fluorescence spectrometry. Microchemical Journal, 2018, 140, 189-195.	4.5	17
103	Enhancement of photoredox catalytic properties of porphyrinic metalâ€“organic frameworks based on titanium incorporation via post-synthetic modification. Chemical Communications, 2018, 54, 8610-8613.	4.1	43
104	Point discharge microplasma reactor for high efficiency conversion of H2S to SO2 for speciation analysis of sulfide and sulfite using molecular fluorescence spectrometry. Analytica Chimica Acta, 2018, 1042, 79-85.	5.4	6
105	UV photochemical vapor generationâ€“nitrogen microwave induced plasma optical emission spectrometric determination of nickel. Journal of Analytical Atomic Spectrometry, 2018, 33, 1086-1091.	3.0	16
106	Miniaturized point discharge-radical optical emission spectrometer: A multichannel optical detector for discriminant analysis of volatile organic sulfur compounds. Talanta, 2018, 188, 378-384.	5.5	8
107	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.	6.5	38
108	Microwave-induced fast incorporation of titanium into UiO-66 metalâ€“organic frameworks for enhanced photocatalytic properties. Chemical Communications, 2017, 53, 3361-3364.	4.1	121

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109	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.	3.3	117
110	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.	4.5	41
111	Porous chitosan/hydroxyapatite composite membrane for dyes static and dynamic removal from aqueous solution. Journal of Hazardous Materials, 2017, 338, 241-249.	12.4	88
112	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.	2.7	18
113	Simple fluorescence sensing of extreme acidity based on inner filter effect of ascorbic acid to fluorescent Au nanoclusters. Nanoscale, 2017, 9, 10167-10172.	5.6	19
114	Gold Nanoparticle-Based Colorimetric Assay for Selenium Detection via Hydride Generation. Analytical Chemistry, 2017, 89, 4695-4700.	6.5	56
115	Synergy of adsorption and photosensitization of graphene oxide for improved removal of organic pollutants. RSC Advances, 2017, 7, 16204-16209.	3.6	19
116	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.	6.5	58
117	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.	6.5	30
118	AuNPs/COFs as a new type of SERS substrate for sensitive recognition of polyaromatic hydrocarbons. Chemical Communications, 2017, 53, 11044-11047.	4.1	55
119	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.	4.5	30
120	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.	5.6	52
121	Covalent triazine framework-1: A novel oxidase and peroxidase mimic. Microchemical Journal, 2017, 135, 91-99.	4.5	26
122	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.	3.0	21
123	A Target-Triggered DNAzyme Motor Enabling Homogeneous, Amplified Detection of Proteins. Analytical Chemistry, 2017, 89, 12888-12895.	6.5	114
124	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.	10.0	31
125	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.	4.5	43
126	Colorimetric sensing of bithiols using photocatalytic UiO-66(NH2) as H2O2-free peroxidase mimics. Talanta, 2016, 158, 276-282.	5.5	49

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127	Phosphorescent Differential Sensing of Physiological Phosphates with Lanthanide Ions-Modified Mn-Doped ZnCdS Quantum Dots. Analytical Chemistry, 2016, 88, 5892-5897.	6.5	60
128	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.	6.7	24
129	Guest editor's introduction to the special issue on analytical spectrometry in China. Applied Spectroscopy Reviews, 2016, 51, 93-93.	6.7	0
130	A novel capillary microplasma analytical system: interface-free coupling of glow discharge optical emission spectrometry to capillary electrophoresis. Journal of Analytical Atomic Spectrometry, 2016, 31, 1423-1429.	3.0	16
131	Derivatization reaction-based surface-enhanced Raman scattering (SERS) for detection of trace acetone. Talanta, 2016, 155, 87-93.	5.5	15
132	On-line UV photochemical generation of volatile copper species and its analytical application. Microchemical Journal, 2016, 124, 344-349.	4.5	24
133	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.	6.5	70
134	A RGB-Type Quantum Dot-based Sensor Array for Sensitive Visual Detection of Trace Formaldehyde in Air. Scientific Reports, 2016, 6, 36794.	3.3	29
135	Mapping for total surface-enhanced Raman scattering to improve its quantification analysis. Talanta, 2016, 161, 151-156.	5.5	10
136	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.	6.5	40
137	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.	3.0	44
138	Modification-free and N-acetyl-L-cysteine-induced colorimetric response of AuNPs: A mechanistic study and sensitive Hg2+ detection. Talanta, 2016, 159, 87-92.	5.5	16
139	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.	6.5	45
140	Plasma-assisted quadruple-channel optosensing of proteins and cells with Mn-doped ZnS quantum dots. Nanoscale, 2016, 8, 4291-4298.	5.6	35
141	UV-assisted Fenton digestion of rice for the determination of trace cadmium by hydride generation atomic fluorescence spectrometry. Analyst, The, 2016, 141, 1512-1518.	3.5	20
142	Amplified binding-induced homogeneous assay through catalytic cycling of analyte for ultrasensitive protein detection. Chemical Communications, 2016, 52, 1816-1819.	4.1	20
143	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.	10.0	72
144	Direct and simultaneous quantification of ATP, ADP and AMP by 1H and 31P Nuclear Magnetic Resonance spectroscopy. Talanta, 2016, 150, 485-492.	5.5	37

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145	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.	3.0	21
146	In Situ Synthesis of Porous Carbons by Using Roomâ€Temperature, Atmosphericâ€Pressure Dielectric Barrier Discharge Plasma as Highâ€Performance Adsorbents for Solidâ€Phase Microextraction. Chemistry - A European Journal, 2015, 21, 13618-13624.	3.3	14
147	Photochemical vapor generation and in situ preconcentration for determination of mercury by graphite furnace atomic absorption spectrometry. Analytical Methods, 2015, 7, 3015-3021.	2.7	30
148	Room Temperature Cation Exchange Reaction in Nanocrystals for Ultrasensitive Speciation Analysis of Silver Ions and Silver Nanoparticles. Analytical Chemistry, 2015, 87, 6584-6591.	6.5	63
149	Longâ€Lived Charge Carriers in Mnâ€Doped CdS Quantum Dots for Photoelectrochemical Cytosensing. Chemistry - A European Journal, 2015, 21, 5129-5135.	3.3	67
150	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.	3.0	36
151	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.	3.0	34
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