

Xiaoming Jiang

List of Publications by Year in descending order

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32
papers

938
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430874

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32
times ranked

526
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly sensitive determination of trace antimony in water samples by cobalt ion enhanced photochemical vapor generation coupled with atomic fluorescence spectrometry or ICP-MS. <i>Analytica Chimica Acta</i> , 2022, 1191, 339361.	5.4	11
2	An aqueous room-temperature phosphorescent probe for Gd ³⁺ . <i>Chemical Communications</i> , 2022, 58, 2686-2689.	4.1	7
3	Microdischarge in Flame as a Source-in-Source for Boosted Excitation of Optical Emission of Chromium. <i>Analytical Chemistry</i> , 2022, 94, 7683-7691.	6.5	6
4	Cross double point discharge as enhanced excitation source for highly sensitive determination of arsenic, mercury and lead by optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 1193-1200.	3.0	16
5	Interface-free integration of electrothermal vaporizer and point discharge microplasma for miniaturized optical emission spectrometer. <i>Analytica Chimica Acta</i> , 2021, 1163, 338502.	5.4	11
6	A miniaturized UV-LED array chip-based photochemical vapor generator coupled with a point discharge optical emission spectrometer for the determination of trace selenium. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 2735-2743.	3.0	8
7	A simple dilution method for the direct determination of trace nickel in crude oil with a miniaturized electrothermal atomic absorption spectrometer. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2656-2662.	3.0	11
8	Cobalt ion-enhanced photochemical vapor generation in a mixed acid medium for sensitive detection of tellurium(^{iv}) by atomic fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1405-1411.	3.0	25
9	Portable photochemical vapor generation-microwave plasma optical emission spectrometer. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1316-1319.	3.0	14
10	Point Discharge Microplasma Optical Emission Spectrometer: Hollow Electrode for Efficient Volatile Hydride/Mercury Sample Introduction and 3D-Printing for Compact Instrumentation. <i>Analytical Chemistry</i> , 2019, 91, 7001-7006.	6.5	32
11	Nanomaterials for photochemical vapor generation-analytical atomic spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 114, 242-250.	11.4	55
12	Cobalt and Copper Ions Synergistically Enhanced Photochemical Vapor Generation of Molybdenum: Mechanism Study and Analysis of Water Samples. <i>Analytical Chemistry</i> , 2019, 91, 5938-5944.	6.5	49
13	Recent trends in atomic fluorescence spectrometry towards miniaturized instrumentation-A review. <i>Analytica Chimica Acta</i> , 2018, 1019, 25-37.	5.4	72
14	A miniaturized UV-LED photochemical vapor generator for atomic fluorescence spectrometric determination of trace selenium. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1217-1223.	3.0	22
15	Effect of variable ultraviolet wavelength and intensity on photochemical vapor generation of trace selenium detected by atomic fluorescence spectrometry. <i>Microchemical Journal</i> , 2018, 140, 189-195.	4.5	17
16	UV photochemical vapor generation“nitrogen microwave induced plasma optical emission spectrometric determination of nickel. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1086-1091.	3.0	16
17	Miniaturized point discharge-radical optical emission spectrometer: A multichannel optical detector for discriminant analysis of volatile organic sulfur compounds. <i>Talanta</i> , 2018, 188, 378-384.	5.5	8
18	Nano g-C ₃ N ₄ /TiO ₂ composite: A highly efficient photocatalyst for selenium (VI) photochemical vapor generation for its ultrasensitive AFS determination. <i>Microchemical Journal</i> , 2017, 135, 158-162.	4.5	30

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19	Strand Displacement-Induced Enzyme-Free Amplification for Label-Free and Separation-Free Ultrasensitive Atomic Fluorescence Spectrometric Detection of Nucleic Acids and Proteins. <i>Analytical Chemistry</i> , 2016, 88, 12386-12392.	6.5	40
20	Hydride generation-point discharge microplasma-optical emission spectrometry for the determination of trace As, Bi, Sb and Sn. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 2427-2433.	3.0	44
21	Atomic spectrometric detectors for gas chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 77, 139-155.	11.4	25
22	Integration of hydride generation and photochemical vapor generation for multi-element analysis of traditional Chinese medicine by ICP-OES. <i>Microchemical Journal</i> , 2015, 123, 164-169.	4.5	31
23	Determination of Hg, Fe, Ni, and Co by Miniaturized Optical Emission Spectrometry Integrated with Flow Injection Photochemical Vapor Generation and Point Discharge. <i>Analytical Chemistry</i> , 2015, 87, 10712-10718.	6.5	71
24	Flow injection hydride generation for on-atomizer trapping: Highly sensitive determination of cadmium by tungsten coil atomic absorption spectrometry. <i>Microchemical Journal</i> , 2014, 112, 7-12.	4.5	24
25	Simultaneous determination of trace cadmium and lead in single human hair by tungsten electrothermal vaporization-flame atomic fluorescence spectrometry. <i>Microchemical Journal</i> , 2014, 114, 182-186.	4.5	28
26	Dual-mode chemical vapor generation for simultaneous determination of hydride-forming and non-hydride-forming elements by atomic fluorescence spectrometry. <i>Analyst, The</i> , 2014, 139, 2538-2544.	3.5	14
27	Dielectric Barrier Discharge Carbon Atomic Emission Spectrometer: Universal GC Detector for Volatile Carbon-Containing Compounds. <i>Analytical Chemistry</i> , 2014, 86, 936-942.	6.5	58
28	Electrothermal Vaporization for Universal Liquid Sample Introduction to Dielectric Barrier Discharge Microplasma for Portable Atomic Emission Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 5220-5224.	6.5	83
29	Miniaturized Dielectric Barrier Discharge Carbon Atomic Emission Spectrometry with Online Microwave-Assisted Oxidation for Determination of Total Organic Carbon. <i>Analytical Chemistry</i> , 2014, 86, 6214-6219.	6.5	51
30	Compact integration of gas chromatographer and atomic fluorescence spectrometer for speciation analysis of trace alkyl metals/semimetals. <i>Microchemical Journal</i> , 2014, 114, 16-21.	4.5	4
31	UV light-emitting-diode photochemical mercury vapor generation for atomic fluorescence spectrometry. <i>Analyst, The</i> , 2012, 137, 686-690.	3.5	40
32	A compact electrothermal-flame tandem atomizer for highly sensitive atomic fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1780.	3.0	15