Xuefei Mao

List of Publications by Year
in descending order

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Version: 2024-02-01

42	691	623574	610775
papers	citations	14 h-index	24 g-index

43	43	43	469
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultratrace mercury speciation analysis in rice by in-line solid phase extraction â€“ liquid chromatography â€“ atomic fluorescence spectrometry. Food Chemistry, 2022, 379, 132116.	4.2	7
2	High-sensitivity and field analysis of lead by portable optical emission spectrometry using a microplasma trap. Journal of Analytical Atomic Spectrometry, 2022, 37, 1141-1149.	1.6	2
3	Determination of Arsenic in Soil by Ultrasonic Assisted Slurry Sampling Hydride Generation (HG) in-Situ Dielectric Barrier Discharge Trap (DBD)-Optical Emission Spectrometry (OES). Analytical Letters, 2022, 55, 1349-1363.	1.0	4
4	High Sensitivity Determination of Antimony with Application for the Characterization of Its Migration in Bottled Water by a Dielectric Barrier Discharge (DBD) Coupled with Hydride Generation â€“ Atomic Fluorescence Spectrometry (HG-AFS). Analytical Letters, 2021, 54, 990-1004.	1.0	9
5	Novel solid sampling electrothermal vaporization atomic absorption spectrometry for fast detection of cadmium in grain samples. Journal of Analytical Atomic Spectrometry, 2021, 36, 285-293.	1.6	7
6	Fast and High Sensitive Analysis of Lead in Human Blood by Direct Sampling Hydride Generation Coupled with in situ Dielectric Barrier Discharge Trap. Analytical Sciences, 2021, 37, 321-327.	0.8	7
7	Analytical Methodologies for Agrometallomics: A Critical Review. Journal of Agricultural and Food Chemistry, 2021, 69, 6100-6118.	2.4	17
8	Geographical traceability of soybean based on elemental fingerprinting and multivariate analysis. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2021, 16, 323-331.	0.5	5
9	Review of miniaturized and portable optical emission spectrometry based on microplasma for elemental analysis. TrAC - Trends in Analytical Chemistry, 2021, 144, 116437.	5.8	18
10	Trace arsenic analysis in edible seaweeds by miniature in situ dielectric barrier discharge microplasma optical emission spectrometry based on gas phase enrichment. Analytical Methods, 2021, 13, 4079-4089.	1.3	8
11	Novel Dielectric Barrier Discharge Trap for Arsenic Introduced by Electrothermal Vaporization: Possible Mechanism and Its Application. Analytical Chemistry, 2021, 93, 15063-15071.	3.2	8
12	Sensitivity enhancement of inorganic arsenic analysis byin situmicroplasma preconcentration coupled with liquid chromatography atomic fluorescence spectrometry. Journal of Analytical Atomic Spectrometry, 2020, 35, 1654-1663.	1.6	11
13	A portable and field optical emission spectrometry coupled with microplasma trap for high sensitivity analysis of arsenic and antimony simultaneously. Talanta, 2020, 218, 121161.	2.9	19
14	In situ preconcentration of lead by dielectric barrier discharge and its application to high sensitivity surface water analysis. Talanta, 2020, 219, 121182.	2.9	7
15	Benefitâ€“risk assessment of dietary selenium and its associated metals intake in China (2017-2019): Is current selenium-rich agro-food safe enough?. Journal of Hazardous Materials, 2020, 398, 123224.	6.5	49
16	A novel 3D printed negative pressure small sampling system for bubble-free liquid core waveguide enhanced Raman spectroscopy. Talanta, 2020, 216, 120942.	2.9	3
17	High Sensitivity Analysis of Selenium by Ultraviolet Vapor Generation Combined with Microplasma Gas Phase Enrichment and the Mechanism Study. Analytical Chemistry, 2020, 92, 7257-7264.	3.2	16
18	On-line microplasma decomposition of gaseous phase interference for solid sampling mercury analysis in aquatic food samples. Analytica Chimica Acta, 2020, 1121, 42-49.	2.6	11

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19	Multi-elemental Analysis by Energy Dispersion X-ray Fluorescence Spectrometry and Its Application on the Traceability of Soybean Origin. Atomic Spectroscopy, 2020, 41, 20-28.	0.4	15
20	Rapid Screening Analysis of Methylmercury in Fish Samples Using Stannous Chloride Reduction and Direct Sampling Electrothermal Vaporization Atomic Absorption Spectrometry. Atomic Spectroscopy, 2020, 41, .	0.4	5
21	Direct determination of cadmium in rice by solid sampling electrothermal vaporization atmospheric pressure glow discharge atomic emission spectrometry using a tungsten coil trap. Journal of Analytical Atomic Spectrometry, 2019, 34, 1786-1793.	1.6	19
22	A novel QuEChERS-like method and automatic sample pre-treatment apparatus for fast determination of mercury speciation in aquatic animal samples. Journal of Analytical Atomic Spectrometry, 2019, 34, 292-300.	1.6	5
23	Determination of arsenic in biological samples by slurry sampling hydride generation atomic fluorescence spectrometry usingin situdielectric barrier discharge trap. Journal of Analytical Atomic Spectrometry, 2019, 34, 526-534.	1.6	15
24	A novel gas liquid separator for direct sampling analysis of ultratrace arsenic in blood sample by hydride generation in-situ dielectric barrier discharge atomic fluorescence spectrometry. Talanta, 2019, 202, 178-185.	2.9	7
25	Reflux open-vessel digestion system can overcome volatilization loss in mercury speciation analysis. Talanta, 2019, 191, 209-215.	2.9	3
26	Direct Determination of Ultratrace Arsenic in Blood Samples Using an in-situ Dielectric Barrier Discharge Trap Coupled With Atomic Fluorescence Spectrometry. Atomic Spectroscopy, 2019, 40, 83-90.	0.4	10
27	In Situ Dielectric Barrier Discharge Trap for Ultrasensitive Arsenic Determination by Atomic Fluorescence Spectrometry. Analytical Chemistry, 2018, 90, 6332-6338.	3.2	37
28	Determination of nitrite in water samples using atmospheric pressure glow discharge microplasma emission and chemical vapor generation of NO species. Analytica Chimica Acta, 2018, 1001, 100-105.	2.6	19
29	A UV digital micromirror spectrometer for dispersive AFS: spectral interference in simultaneous determination of Se and Pb. Journal of Analytical Atomic Spectrometry, 2018, 33, 2098-2106.	1.6	13
30	Direct determination of trace mercury and cadmium in food by sequential electrothermal vaporization atomic fluorescence spectrometry using tungsten and gold coil traps. Journal of Analytical Atomic Spectrometry, 2018, 33, 1209-1216.	1.6	23
31	Determination of inorganic arsenic in algae using bromine halogenation and on-line nonpolar solid phase extraction followed by hydride generation atomic fluorescence spectrometry. Talanta, 2017, 170, 152-157.	2.9	14
32	Mercury speciation by differential photochemical vapor generation at UV-B vs. UV-C wavelength. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 137, 1-7.	1.5	18
33	Simultaneous trapping of Zn and Cd by a tungsten coil and its application to grain analysis using electrothermal inductively coupled plasma mass spectrometry. RSC Advances, 2016, 6, 48699-48707.	1.7	16
34	An integrated quartz tube atom trap coupled with solid sampling electrothermal vapourization and its application to detect trace lead in food samples by atomic fluorescence spectrometry. Journal of Analytical Atomic Spectrometry, 2016, 31, 2253-2260.	1.6	12
35	Ambient-Temperature Trap/Release of Arsenic by Dielectric Barrier Discharge and Its Application to Ultratrace Arsenic Determination in Surface Water Followed by Atomic Fluorescence Spectrometry. Analytical Chemistry, 2016, 88, 4147-4152.	3.2	48
36	Direct determination of cadmium in foods by solid sampling electrothermal vaporization inductively coupled plasma mass spectrometry using a tungsten coil trap. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 118, 119-126.	1.5	28

#	Article	IF	Citations
37	Ferric ion induced enhancement of ultraviolet vapour generation coupled with atomic fluorescence spectrometry for the determination of ultratrace inorganic arsenic in surface water. Analyst, The, 2016, 141, 1530-1536.	1.7	62
38	Concentrations of Inorganic Arsenic in Milled Rice from China and Associated Dietary Exposure Assessment. Journal of Agricultural and Food Chemistry, 2015, 63, 10838-10845.	2.4	58
39	Direct Determination of Cadmium in Grain by Solid Sampling Electrothermal Vaporization Atomic Fluorescence Spectrometry with a Tungsten Coil Trap. Analytical Letters, 2015, 48, 2908-2920.	1.0	12
40	Evaluation of Arsenate Content of Rice and Rice Bran Purchased from Local Markets in the People's Republic of China. Journal of Food Protection, 2014, 77, 665-669.	0.8	11
41	Speciation of Arsenic in Rice by High-Performance Liquid Chromatographyâ€“Hydride Generation-Atomic Fluorescence Spectrometry with Microwave-Assisted Extraction. Analytical Letters, 2014, 47, 2601-2612.	1.0	8
42	Assessment of Homogeneity and Minimum Sample Mass for Cadmium Analysis in Powdered Certified Reference Materials and Real Rice Samples by Solid Sampling Electrothermal Vaporization Atomic Fluorescence Spectrometry. Journal of Agricultural and Food Chemistry, 2013, 61, 848-853.	2.4	23