Zhirong Zou

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/253971/publications.pdf

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21	489	687363 13	752698 20
papers	citations	h-index	g-index

21	21	21	422
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent trends in atomic fluorescence spectrometry towards miniaturized instrumentation-A review. Analytica Chimica Acta, 2018, 1019, 25-37.	5.4	72
2	Ultrasensitive determination of inorganic arsenic by hydride generation-atomic fluorescence spectrometry using Fe 3 O 4 @ZIF-8 nanoparticles for preconcentration. Microchemical Journal, 2016, 124, 578-583.	4.5	58
3	Nanomaterials for photochemical vapor generation-analytical atomic spectrometry. TrAC - Trends in Analytical Chemistry, 2019, 114, 242-250.	11.4	55
4	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
5	One-step synthesis of Co(OH)F nanoflower based on micro-plasma: As an effective non-enzymatic glucose sensor. Sensors and Actuators B: Chemical, 2020, 304, 127282.	7.8	47
6	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
7	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
8	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
9	Sharing one ICP source for simultaneous elemental analysis by ICP-MS/OES: Some unique instrumental capabilities. Microchemical Journal, 2017, 132, 401-405.	4.5	19
10	A brief review on mass/optical spectrometry for imaging analysis of biological samples. Applied Spectroscopy Reviews, 2019, 54, 57-85.	6.7	19
11	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
12	Photochemical vapor generation of selenium: Mechanisms and applications. Trends in Environmental Analytical Chemistry, 2020, 27, e00094.	10.3	16
13	Recent development of non-chromatographic atomic spectrometry for speciation analysis of mercury. Applied Spectroscopy Reviews, 2022, 57, 441-460.	6.7	13
14	Co-Based Transition Metal Hydroxide Nanosheet Arrays on Carbon Cloth for Sensing Glucose and Formaldehyde. ACS Applied Nano Materials, 2021, 4, 5076-5083.	5.0	12
15	In situ formation of silver nanoparticles via hydride generation: A miniaturized/portable visual colorimetric system for arsenic detection in environmental water samples. Analytica Chimica Acta, 2022, 1192, 339366.	5.4	9
16	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
17	One-step rapid synthesis of NiMoO4Â·xH2O nanowires by dielectric barrier discharge micro-plasma method for high-efficiency non-enzymatic glucose sensing. Journal of Materials Science, 2022, 57, 11673-11683.	3.7	6
18	Three-dimensional Setaria viridis-like NiCoSe2 nanoneedles array: As an efficient electrochemical hydrazine sensor. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 650, 129549.	4.7	5

#	Article	IF	Citations
19	One Fe3O4, two birds: Preconcentration and enhanced photochemical vapor generation for the determination of bismuth by atomic fluorescence spectrometry. Microchemical Journal, 2022, 180, 107534.	4.5	4
20	Rapid Preparation of 3D Ultra-Thin CuO Nanosheets by Dielectric Barrier Discharge Microplasma for Non-Enzymatic Detection of Glucose. Catalysis Letters, 2022, 152, 3517-3525.	2.6	3
21	Catalysts in photochemical vapor generation. , 2022, , 265-281.		0