

# Zhirong Zou

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

489  
citations

687363

13  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

422  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent development of non-chromatographic atomic spectrometry for speciation analysis of mercury. <i>Applied Spectroscopy Reviews</i> , 2022, 57, 441-460.	6.7	13
2	In situ formation of silver nanoparticles via hydride generation: A miniaturized/portable visual colorimetric system for arsenic detection in environmental water samples. <i>Analytica Chimica Acta</i> , 2022, 1192, 339366.	5.4	9
3	Rapid Preparation of 3D Ultra-Thin CuO Nanosheets by Dielectric Barrier Discharge Microplasma for Non-Enzymatic Detection of Glucose. <i>Catalysis Letters</i> , 2022, 152, 3517-3525.	2.6	3
4	Catalysts in photochemical vapor generation. , 2022, , 265-281.		0
5	One Fe <sub>3</sub> O <sub>4</sub> , two birds: Preconcentration and enhanced photochemical vapor generation for the determination of bismuth by atomic fluorescence spectrometry. <i>Microchemical Journal</i> , 2022, 180, 107534.	4.5	4
6	One-step rapid synthesis of NiMoO <sub>4</sub> ·xH <sub>2</sub> O nanowires by dielectric barrier discharge micro-plasma method for high-efficiency non-enzymatic glucose sensing. <i>Journal of Materials Science</i> , 2022, 57, 11673-11683.	3.7	6
7	Three-dimensional <i>Setaria viridis</i> -like NiCoSe <sub>2</sub> nanoneedles array: As an efficient electrochemical hydrazine sensor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 650, 129549.	4.7	5
8	Co-Based Transition Metal Hydroxide Nanosheet Arrays on Carbon Cloth for Sensing Glucose and Formaldehyde. <i>ACS Applied Nano Materials</i> , 2021, 4, 5076-5083.	5.0	12
9	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
10	One-step synthesis of Co(OH)F nanoflower based on micro-plasma: As an effective non-enzymatic glucose sensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127282.	7.8	47
11	Cobalt ion-enhanced photochemical vapor generation in a mixed acid medium for sensitive detection of tellurium( <sup>iv</sup> ) by atomic fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1405-1411.	3.0	25
12	Photochemical vapor generation of selenium: Mechanisms and applications. <i>Trends in Environmental Analytical Chemistry</i> , 2020, 27, e00094.	10.3	16
13	Nanomaterials for photochemical vapor generation-analytical atomic spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 114, 242-250.	11.4	55
14	A brief review on mass/optical spectrometry for imaging analysis of biological samples. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 57-85.	6.7	19
15	<i>In situ</i> formation of nano-CdSe as a photocatalyst: cadmium ion-enhanced photochemical vapour generation directly from Se( <sup>vi</sup> ). <i>Chemical Communications</i> , 2018, 54, 4874-4877.	4.1	49
16	Recent trends in atomic fluorescence spectrometry towards miniaturized instrumentation-A review. <i>Analytica Chimica Acta</i> , 2018, 1019, 25-37.	5.4	72
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Sharing one ICP source for simultaneous elemental analysis by ICP-MS/OES: Some unique instrumental capabilities. <i>Microchemical Journal</i> , 2017, 132, 401-405.	4.5	19
20	Nano g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> 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
21	Ultrasensitive determination of inorganic arsenic by hydride generation-atomic fluorescence spectrometry using Fe <sub>3</sub> O <sub>4</sub> @ZIF-8 nanoparticles for preconcentration. <i>Microchemical Journal</i> , 2016, 124, 578-583.	4.5	58