Ying Gao

List of Publications by Year in descending order

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55 papers	1,559 citations	279798 23 h-index	315739 38 g-index
55 all docs	55 docs citations	55 times ranked	1369 citing authors

#	Article	IF	Citations
1	Determination and speciation of mercury in environmental and biological samples by analytical atomic spectrometry. Microchemical Journal, 2012, 103, 1-14.	4.5	215
2	Metal Ion-Assisted Photochemical Vapor Generation for the Determination of Lead in Environmental Samples by Multicollector-ICPMS. Analytical Chemistry, 2015, 87, 4495-4502.	6.5	98
3	Silver Enhancement of Gold Nanoparticles for Biosensing: From Qualitative to Quantitative. Applied Spectroscopy Reviews, 2014, 49, 121-138.	6.7	59
4	On-line preconcentration and in situ photochemical vapor generation in coiled reactor for speciation analysis of mercury and methylmercury by atomic fluorescence spectrometry. Journal of Analytical Atomic Spectrometry, 2011, 26, 126-132.	3.0	56
5	Application of chemical vapor generation in ICP-MS: A review. Science Bulletin, 2013, 58, 1980-1991.	1.7	56
6	Chitosan/alginate/hyaluronic acid polyelectrolyte composite sponges crosslinked with genipin for wound dressing application. International Journal of Biological Macromolecules, 2021, 182, 512-523.	7.5	56
7	Foraging responses of clonal plants to multi-patch environmental heterogeneity: spatial preference and temporal reversibility. Plant and Soil, 2012, 359, 137-147.	3.7	54
8	Photochemical Vapor Generation of Tellurium: Synergistic Effect from Ferric Ion and Nano-TiO₂. Analytical Chemistry, 2018, 90, 5737-5743.	6.5	52
9	Selective determination of trace amounts of silver in complicated matrices by displacement-cloud point extraction coupled with thermospray flame furnace atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2008, 23, 752.	3.0	50
10	Enhanced Photochemical Vapor Generation for the Determination of Bismuth by Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2018, 90, 13557-13563.	6.5	49
11	Direct Determination of Trace Antimony in Natural Waters by Photochemical Vapor Generation ICPMS: Method Optimization and Comparison of Quantitation Strategies. Analytical Chemistry, 2015, 87, 7996-8004.	6.5	47
12	Simultaneous and selective preconcentration of trace Cu and Ag by one-step displacement cloud point extraction for FAAS determination. Talanta, 2010, 81, 586-590.	5.5	45
13	Responses of soil extracellular enzyme activities and microbial community properties to interaction between nitrogen addition and increased precipitation in a semi-arid grassland ecosystem. Science of the Total Environment, 2020, 703, 134691.	8.0	43
14	Reduction of Interferences Using Fe-Containing Metalâ€“Organic Frameworks for Matrix Separation and Enhanced Photochemical Vapor Generation of Trace Bismuth. Analytical Chemistry, 2019, 91, 5217-5224.	6.5	41
15	Multivariate optimization of photochemical vapor generation for direct determination of arsenic in seawater by inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2015, 901, 34-40.	5.4	35
16	Preconcentration and in-situ photoreduction of trace selenium using TiO2 nanoparticles, followed by its determination by slurry photochemical vapor generation atomic fluorescence spectrometry. Mikrochimica Acta, 2014, 181, 197-204.	5.0	31
17	Anthraquinone (AQS)/polyaniline (PANI) modified carbon felt (CF) cathode for selective H2O2 generation and efficient pollutant removal in electro-Fenton. Journal of Environmental Management, 2022, 304, 114315.	7.8	31
18	Direct determination of mercury in cosmetic samples by isotope dilution inductively coupled plasma mass spectrometry after dissolution with formic acid. Analytica Chimica Acta, 2014, 812, 6-11.	5.4	30

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19	Photochemical Vapor Generation for Colorimetric Speciation of Inorganic Selenium. Analytical Chemistry, 2019, 91, 3508-3515.	6.5	28
20	Towards a mechanistic understanding of soil nitrogen availability responses to summer vs. winter drought in a semiarid grassland. Science of the Total Environment, 2020, 741, 140272.	8.0	28
21	Determination of total mercury in biological tissue by isotope dilution ICPMS after UV photochemical vapor generation. Talanta, 2013, 117, 371-375.	5.5	26
22	Sensitive determination of osmium in natural waters by inductively coupled plasma mass spectrometry after photochemical vapor generation. Microchemical Journal, 2017, 130, 281-286.	4.5	26
23	Green Synthesis of Silver Nanoparticles at Room Temperature Using Kiwifruit Juice. Spectroscopy Letters, 2014, 47, 790-795.	1.0	24
24	On-line UV photochemical generation of volatile copper species and its analytical application. Microchemical Journal, 2016, 124, 344-349.	4.5	24
25	Determination of Trace Bismuth in Environmental Waters by ICPâ€MS with Cobalt Ionâ€Assisted Photochemical Vapour Generation. Geostandards and Geoanalytical Research, 2020, 44, 617-627.	3.1	22
26	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
27	Determination of trace mercury in geological samples by direct slurry sampling cold vapor generation atomic absorption spectrometry. Mikrochimica Acta, 2008, 160, 191-195.	5.0	20
28	Regulatory role of miR-18a to CCN2 by TGF-Î²1 signaling pathway in pulmonary injury induced by nano-SiO2. Environmental Science and Pollution Research, 2018, 25, 867-876.	5.3	19
29	Responses of two contrasting salineâ€alkaline grassland communities to nitrogen addition during early secondary succession. Journal of Vegetation Science, 2015, 26, 686-696.	2.2	18
30	Determination of Mercury in Alcoholic Drinks by ICP-MS After Matrix-Assisted Photochemical Vapor Generation. Atomic Spectroscopy, 2012, 33, 73-77.	1.2	18
31	Matrix-Assisted UV-Photochemical Vapor Generation for AFS Determination of Trace Mercury in Natural Water Samples: A Green Analytical Method. Spectroscopy Letters, 2010, 43, 550-554.	1.0	17
32	Characterization of acute renal allograft rejection by human serum proteomic analysis. Journal of Huazhong University of Science and Technology [Medical Sciences], 2009, 29, 585-591.	1.0	15
33	A compact electrothermal-flame tandem atomizer for highly sensitive atomic fluorescence spectrometry. Journal of Analytical Atomic Spectrometry, 2012, 27, 1780.	3.0	15
34	Illuminate Proteins and Peptides by Elemental Tag for HPLC-ICP-MS Detection. Applied Spectroscopy Reviews, 2014, 49, 492-512.	6.7	15
35	Integration of cobalt ion assisted Fenton digestion and photochemical vapor generation: a green method for rapid determination of trace cadmium in rice. Journal of Analytical Atomic Spectrometry, 2021, 36, 1422-1430.	3.0	14
36	Impact of Gasâ€“Liquid Interface on Photochemical Vapor Generation. Analytical Chemistry, 2021, 93, 3343-3352.	6.5	14

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37	Cryo-Treatment Enhances the Embryogenicity of Mature Somatic Embryos via the lncRNAâ€“miRNAâ€“mRNA Network in White Spruce. International Journal of Molecular Sciences, 2022, 23, 1111.	4.1	14
38	Improved hydride generation-atomic fluorescence spectrometry for determination of trace lead: minimization of blank from potassium ferricyanide. Analytical Methods, 2012, 4, 4058.	2.7	13
39	Transcriptomic and physiological analysis identifies a gene network module highly associated with brassinosteroid regulation in hybrid sweetgum tissues differing in the capability of somatic embryogenesis. Horticulture Research, 2022, 9, .	6.3	13
40	Direct Determination of Trace Lead in Seawater by Inductively Coupled Plasma Mass Spectrometry After Photochemical Vapor Generation. Atomic Spectroscopy, 2017, 38, 37-43.	1.2	11
41	Vanadium Species-Assisted Photochemical Vapor Generation for Direct Detection of Trace Tellurium with Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2022, 94, 4770-4778.	6.5	11
42	A new triterpenoid and a new flavonoid glycoside isolated from Bupleurum marginatum and their anti-inflammatory activity. Natural Product Research, 2020, 34, 3492-3498.	1.8	10
43	Natural mineral assisted photochemical vapor generation for determination of trace inorganic arsenic by inductively coupled plasma mass spectrometry. Microchemical Journal, 2021, 170, 106689.	4.5	10
44	Unconscious processing modulates creative problem solving: Evidence from an electrophysiological study. Consciousness and Cognition, 2014, 26, 64-73.	1.5	9
45	Reconstruction of the Cadmium Contamination History of a River Floodplain from Maoniuping Mining Area (China) by Gamma Ray Spectrometry and Inductively Coupled Plasma Mass Spectrometry. Spectroscopy Letters, 2015, 48, 542-552.	1.0	9
46	Characteristics and mechanism of electrochemical peroxymonosulfate activation by a Coâ€“N@CF anode for pollutant removal. Environmental Science: Water Research and Technology, 2021, 8, 62-75.	2.4	9
47	Matrix-assisted photochemical vapor generation for determination of trace bismuth in Fe Ni based alloy samples by inductively coupled plasma mass spectrometry. Microchemical Journal, 2019, 151, 104242.	4.5	8
48	Certification of Uranium Isotope Amount Ratios in a Suite of Uranium Ore Concentrate Certified Reference Materials. Geostandards and Geoanalytical Research, 2022, 46, 43-56.	3.1	7
49	Photochemical vapor generation for germanium: synergistic effect from cobalt/chloride ions and air-liquid interfaces. Analytical and Bioanalytical Chemistry, 2022, 414, 5709-5717.	3.7	7
50	Giant Faraday rotation in graphene/MnF2 photonic crystals. European Physical Journal B, 2018, 91, 1.	1.5	5
51	The Intensity of Simulated Grazing Modifies Costs and Benefits of Physiological Integration in a Rhizomatous Clonal Plant. International Journal of Environmental Research and Public Health, 2020, 17, 2724.	2.6	5
52	Diversity and specificity of arbuscular mycorrhizal fungi in the rhizosphere of six plants in the Songnen grassland, China. Ecoscience, 2020, 27, 11-21.	1.4	4
53	Optimal foraging strategies in varying nutrient heterogeneity: responses of a stoloniferous clonal plant to patch pattern, size and quality. Ecoscience, 2022, 29, 221-232.	1.4	2
54	Ruthenium hydroxide supported on activated alumina for catalytic permanganate oxidation of aniline. Desalination and Water Treatment, 2016, 57, 17355-17366.	1.0	0

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55	Effects of Medium Supplements on Somatic Embryo Maturation and DNA Methylation in Pseudotsuga gaussenii Flous, a Species under Protection. Forests, 2022, 13, 288.	2.1	0