

# Kailai Xu

## List of Publications by Year in descending order

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30  
papers

847  
citations

430874

18  
h-index

477307

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g-index

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all docs

30  
docs citations

30  
times ranked

933  
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview of alcoholic beverages discrimination and a study on identification of bland Chinese liquors by <sup>13</sup> C-NMR and <sup>1</sup> H-NMR spectra. Applied Spectroscopy Reviews, 2023, 58, 252-270.	6.7	2
2	Chemometric intraregional discrimination of Chinese liquors based on multi-element determination by ICP-MS and ICP-OES. Applied Spectroscopy Reviews, 2021, 56, 115-127.	6.7	9
3	A colorimetric assay for the determination of trace arsenic based on in-situ formation of AuNPs with synergistic effect of arsine and iodide. Analytica Chimica Acta, 2021, 1144, 61-67.	5.4	25
4	A facile photochemical strategy for the synthesis of high-performance amorphous MoS <sub>2</sub> nanoparticles. Nanoscale Advances, 2021, 3, 2830-2836.	4.6	5
5	Disposable Paper-Based Analytical Device for Visual Speciation Analysis of Ag(I) and Silver Nanoparticles (AgNPs). Analytical Chemistry, 2019, 91, 3359-3366.	6.5	49
6	AuNCs-Catalyzed Hydrogen Selenide Oxidation: Mechanism and Application for Headspace Fluorescent Detection of Se(IV). Analytical Chemistry, 2019, 91, 6141-6148.	6.5	24
7	<i>In situ</i> formation of nano-CdSe as a photocatalyst: cadmium ion-enhanced photochemical vapour generation directly from Se( <sup>vi</sup> ). Chemical Communications, 2018, 54, 4874-4877.	4.1	49
8	Phosphorescent inner filter effect-based sensing of xanthine oxidase and its inhibitors with Mn-doped ZnS quantum dots. Nanoscale, 2018, 10, 8477-8482.	5.6	25
9	UV-Assisted Cataluminescent Sensor for Carbon Monoxide Based on Oxygen-Functionalized g-C <sub>3</sub> N <sub>4</sub> Nanomaterials. Analytical Chemistry, 2018, 90, 9598-9605.	6.5	31
10	Miniaturized point discharge-radical optical emission spectrometer: A multichannel optical detector for discriminant analysis of volatile organic sulfur compounds. Talanta, 2018, 188, 378-384.	5.5	8
11	Gold Nanoparticle-Based Colorimetric Assay for Selenium Detection via Hydride Generation. Analytical Chemistry, 2017, 89, 4695-4700.	6.5	56
12	Hydride Generation for Headspace Solid-Phase Extraction with CdTe Quantum Dots Immobilized on Paper for Sensitive Visual Detection of Selenium. Analytical Chemistry, 2016, 88, 789-795.	6.5	70
13	A RGB-Type Quantum Dot-based Sensor Array for Sensitive Visual Detection of Trace Formaldehyde in Air. Scientific Reports, 2016, 6, 36794.	3.3	29
14	Modification-free and N-acetyl-L-cysteine-induced colorimetric response of AuNPs: A mechanistic study and sensitive Hg <sup>2+</sup> detection. Talanta, 2016, 159, 87-92.	5.5	16
15	UV-assisted Fenton digestion of rice for the determination of trace cadmium by hydride generation atomic fluorescence spectrometry. Analyst, The, 2016, 141, 1512-1518.	3.5	20
16	In Situ Synthesis of Porous Carbons by Using Room-Temperature, Atmospheric-Pressure Dielectric Barrier Discharge Plasma as High-Performance Adsorbents for Solid-Phase Microextraction. Chemistry - A European Journal, 2015, 21, 13618-13624.	3.3	14
17	Room Temperature Cation Exchange Reaction in Nanocrystals for Ultrasensitive Speciation Analysis of Silver Ions and Silver Nanoparticles. Analytical Chemistry, 2015, 87, 6584-6591.	6.5	63
18	Single Drop Solution Electrode Glow Discharge for Plasma Assisted-Chemical Vapor Generation: Sensitive Detection of Zinc and Cadmium in Limited Amounts of Samples. Analytical Chemistry, 2014, 86, 12093-12099.	6.5	56

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19	Modelling of catalytically oxidative decomposition of carbon tetrachloride on a ZnS nanocluster using density functional theory. <i>Catalysis Science and Technology</i> , 2014, 4, 1038.	4.1	3
20	Corona discharge radical emission spectroscopy: a multi-channel detector with nose-type function for discrimination analysis. <i>Analyst</i> , 2013, 138, 2249.	3.5	14
21	UV-induced atomization of gaseous mercury hydrides for atomic fluorescence spectrometric detection of inorganic and organic mercury after high performance liquid chromatographic separation. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 510.	3.0	25
22	Online multichannel ultrasonic extraction for high throughput determination of arsenic in soil by sequential injection slurry hydride generation atomic fluorescence spectrometry. <i>Analytical Methods</i> , 2013, 5, 3142.	2.7	6
23	An oligonucleotide-based label-free fluorescent sensor: highly sensitive and selective detection of Hg <sup>2+</sup> in aqueous samples. <i>Analytical Methods</i> , 2012, 4, 1310.	2.7	8
24	A cataluminescence gas sensor for triethylamine based on nanosized LaF <sub>3</sub> •CeO <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , 2012, 169, 261-266.	7.8	93
25	Dielectric Barrier Discharge Molecular Emission Spectrometer as Multichannel GC Detector for Halohydrocarbons. <i>Analytical Chemistry</i> , 2011, 83, 5050-5055.	6.5	54
26	Hydride generation induced chemiluminescence for the determination of tellurium (IV). <i>Microchemical Journal</i> , 2011, 98, 51-55.	4.5	13
27	Determination of ultratrace nitrogen in pure argon gas by dielectric barrier discharge-molecular emission spectrometry. <i>Microchemical Journal</i> , 2011, 99, 114-117.	4.5	21
28	Determination of trace mercury in geological samples by direct slurry sampling cold vapor generation atomic absorption spectrometry. <i>Mikrochimica Acta</i> , 2008, 160, 191-195.	5.0	20
29	Direct detection of mercury in vapor and aerosol from chemical atomization and nebulization at ambient temperature: exploiting the flame atomic absorption spectrometer. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 760.	3.0	37
30	Mechanism of skeletal reorganization of 1,6-enynes catalyzed by GaCl <sub>3</sub> . <i>Science Bulletin</i> , 2004, 49, 883-885.	1.7	2