

Xi-lin Xiao

List of Publications by Year in descending order

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34
papers

417
citations

933447

10
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794594

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34
all docs

34
docs citations

34
times ranked

519
citing authors

#	ARTICLE	IF	CITATIONS
1	A highly sensitive sensor based on a computer-designed magnetic molecularly imprinted membrane for the determination of acetaminophen. <i>Biosensors and Bioelectronics</i> , 2020, 148, 111819.	10.1	62
2	Development of a method for the detection of Cu ²⁺ in the environment and live cells using a synthesized spider web-like fluorescent probe. <i>Biosensors and Bioelectronics</i> , 2021, 182, 113174.	10.1	42
3	A highly sensitive and selective sensor based on a graphene-coated carbon paste electrode modified with a computationally designed boron-embedded duplex molecularly imprinted hybrid membrane for the sensing of lamotrigine. <i>Biosensors and Bioelectronics</i> , 2017, 94, 663-670.	10.1	34
4	Protamine-gold nanoclusters as peroxidase mimics and the selective enhancement of their activity by mercury ions for highly sensitive colorimetric assay of Hg(II). <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7385-7394.	3.7	33
5	DNAzyme based electrochemical sensors for trace uranium. <i>Mikrochimica Acta</i> , 2013, 180, 1059-1064.	5.0	32
6	Spectroscopic study on the reactions of bis-salophen with uranyl and then with fructose 1,6-bisphosphate and the analytical application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 123, 110-116.	3.9	27
7	Preparation and application of a carbon paste electrode modified with multi-walled carbon nanotubes and boron-embedded molecularly imprinted composite membranes. <i>Bioelectrochemistry</i> , 2018, 121, 115-124.	4.6	19
8	The detection of uranium(VI) with a synthesized ditopic bidentate ligand as probe by resonance light scattering. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 312, 59-66.	1.5	12
9	A resonance light scattering method for the determination of uranium based on a water-soluble salophen and oxalate. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 301, 863-869.	1.5	11
10	Aggregation-induced photoluminescence enhancement of protamine-templated gold nanoclusters for 1-hydroxypyrene detection using 9-hydroxyphenanthrene as a sensitizer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 189, 110873.	5.0	11
11	Insight into Coordination of Uranyl Ions with N,N'-bis(2-ethyl-5-membered) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342 Td (f	3.5	10
12	A label-free electrochemical biosensor for trace uranium based on DNAzymes and gold nanoparticles. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 299, 1911-1919.	1.5	9
13	Determination of thorium (IV) using isophthalaldehyde-tetrapyrrole as probe by resonance light scattering, second-order scattering and frequency-doubling scattering spectra. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 187, 104-109.	3.9	9
14	Determination of uranium in water based on enzyme inhibition using a wireless magnetoelastic sensor. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 613-622.	3.3	8
15	Adsorption of low concentration of uranium(VI) from aqueous solution by diethylenetriamine functionalized <i>Cycas revoluta</i> leaves. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 308, 1027-1037.	1.5	8
16	Theoretical insights into chiral PMAADs coordinated with Am(III)/Eu(III) and separation selectivity enhanced by chiral-at Am(III)/Eu(III) complexes. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 328, 205-216.	1.5	8
17	Ratiometric colorimetric determination of coenzyme A using gold nanoparticles and a binuclear uranyl complex as optical probes. <i>Mikrochimica Acta</i> , 2016, 183, 715-721.	5.0	7
18	A europium (III) complex-based surface fluorescence sensor for the determination of uranium (VI). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 321, 161-167.	1.5	7

#	ARTICLE	IF	CITATIONS
19	Complexation and enantioselectivity of sulfur/selenium-substituted uranyl-salophens with R/S-chiral lactone for RRS/SSR-3, 5-Dimethyl-2-(3-fluorophenyl)-2-morpholinols. Journal of Radioanalytical and Nuclear Chemistry, 2020, 324, 993-1006.	1.5	7
20	Detection of uranium with a wireless sensing method by using salophen as receptor and magnetic nanoparticles as signal-amplifying tags. Journal of Radioanalytical and Nuclear Chemistry, 2013, 298, 1393-1399.	1.5	6
21	A label-free ultrasensitive and selective strategy for Pb(II) assay by a multifunctional DNA probe-mediated rolling-circle amplified synthesis of the G-quadruplexes. Analytical Methods, 2018, 10, 3081-3088.	2.7	6
22	Theoretical investigation into coordination and selectivity of uranyl-bis(unilateral benzotriazole salophens (X = O/S) for R/S-triadimefons. Applied Organometallic Chemistry, 2020, 34, e5486.	3.5	6
23	Insights into complexation and enantioselectivity of uranyl-(2-(2-hydroxy-3-methoxyphenyl)-9-(2-hydroxyphenyl)thiopyrano[3,2-h]thiochromene-4,7-dione with R/S-organophosphorus pesticides. Applied Organometallic Chemistry, 2021, 35, e6331.	4.7	6
24	Theoretical Unravelling the Complexation and Separation of Uranyl-Ligand Complexes towards Chiral R/S-Profenofos. Applied Organometallic Chemistry, 0, , .	3.5	5
25	Wireless sensing determination of uranium(IV) based on its inhibitory effect on a catalytic precipitation reaction. Journal of Radioanalytical and Nuclear Chemistry, 2011, 289, 893-898.	1.5	4
26	Simultaneous determination of 1-naphthol, 2-naphthol and 1-hydroxypyrene in urine by synchronous fluorescence spectrometry using β -cyclodextrin as a sensitizer. International Journal of Environmental Analytical Chemistry, 2011, 91, 87-96.	3.3	4
27	Resonance light scattering for detecting fluoride ions based on the formation of a uranyl coordination supramolecular polymer. Analytical Methods, 2014, 6, 4818-4822.	2.7	4
28	Resonance light scattering detection of fructose bisphosphates using uranyl-salophen complex-modified gold nanoparticles as optical probe. Analytical and Bioanalytical Chemistry, 2015, 407, 8911-8918.	3.7	4
29	Ultrasensitive electrochemical biosensor for uranium using deoxyribozymes with amplification by gold nanoparticles. International Journal of Environmental Analytical Chemistry, 2014, 94, 1139-1149.	3.3	3
30	A highly sensitive fluorescence probe for metallothioneins based on tiron-copper complex. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 145, 85-89.	3.9	3
31	Determination of trace metallothioneins at nanogram levels with Eosin Y by resonance light scattering method. International Journal of Environmental Analytical Chemistry, 2015, 95, 520-530.	3.3	3
32	Complexation and enantioselectivity of novel bridge-like uranyl-2-((1Z,9Z)-9-(2-Hydroxyphenyl)-3,5,6,8-tetrahydrobenzo[1,4,7,10]) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,222 Td (dioxadiazac of R/S-malathions. Environmental Technology (United Kingdom), 2022, 43, 3378-3389.	2.2	3
33	Spectroscopic Study on the Interaction of Pyronine Y with Nucleic Acids and Its Analytical Application. Spectroscopy Letters, 2012, 45, 569-574.	1.0	2
34	Determination of Trace Metallothioneins at Nanomolar Levels Using Phenanthroline-Copper Coordination by Fluorescence Spectra. Analytical Sciences, 2014, 30, 999-1004.	1.6	2