Li-fu Liao

List of Publications by Year
in descending order

37	416	933447	839539
papers	citations	10 h-index	18 g-index

37	37	37	458
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A highly sensitive sensor based on a computer-designed magnetic molecularly imprinted membrane for the determination of acetaminophen. Biosensors and Bioelectronics, 2020, 148, 111819.	10.1	62
2	Development of a method for the detection of Cu2+ in the environment and live cells using a synthesized spider web-like fluorescent probe. Biosensors and Bioelectronics, 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. Biosensors and Bioelectronics, 2017, 94, 663-670.	10.1	34
4	Spectroscopic study on the reactions of bis-salophen with uranyl and then with fructose 1,6-bisphosphate and the analytical application. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 123, 110-116.	3.9	27
5	Determination of ATP by resonance light scattering using a binuclear uranyl complex and aptamer modified gold nanoparticles as optical probes. Mikrochimica Acta, 2015, 182, 419-426.	5.0	19
6	Preparation and application of a carbon paste electrode modified with multi-walled carbon nanotubes and boron-embedded molecularly imprinted composite membranes. Bioelectrochemistry, 2018, 121, 115-124.	4.6	19
7	Density functional theory investigation of nonsymmetrically substituted uranylâ€“salophen complexes. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 407-417.	1.5	15
8	The detection of uranium(VI) with a synthesized ditopic bidentate ligand as probe by resonance light scattering. Journal of Radioanalytical and Nuclear Chemistry, 2017, 312, 59-66.	1.5	12
9	A novel sensor based on multi-walled carbon nanotubes and boron-doped double-layer molecularly imprinted membrane for the analysis of SCZ in pharmaceutical and biological samples. International Journal of Environmental Analytical Chemistry, 2019, 99, 1495-1514.	3.3	12
10	A resonance light scattering method for the determination of uranium based on a water-soluble salophen and oxalate. Journal of Radioanalytical and Nuclear Chemistry, 2014, 301, 863-869.	1.5	11
11	Insight into Coordination of Uranyl Ions with N,Nâ€²â€bis(2â€fiveâ€membered) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342 Tc	3.5	10
12	Computational insight into complex structures of thorium coordination with N, Nâ€™- bis(3-allyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.8	9
13	Determination of thorium (IV) using isophthalaldehyde-tetrapyrrole as probe by resonance light scattering, second-order scattering and frequency-doubling scattering spectra. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 187, 104-109.	3.9	9
14	Determination of uranium in water based on enzyme inhibition using a wireless magnetoelastic sensor. International Journal of Environmental Analytical Chemistry, 2013, 93, 613-622.	3.3	8
15	Adsorption of low concentration of uranium(VI) from aqueous solution by diethylenetriamine functionalized Cycas revoluta leaves. Journal of Radioanalytical and Nuclear Chemistry, 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. Journal of Radioanalytical and Nuclear Chemistry, 2021, 328, 205-216.	1.5	8
17	Resonance light scattering detection of uranium based on its reaction with a Schiff base containing tetradentate ligand and phosphate groups to form supramolecular polymer. Journal of Radioanalytical and Nuclear Chemistry, 2015, 304, 1163-1169.	1.5	7
18	Resonance Light Scattering Study on the Formation of a Manganese (II) Coordination Supramolecular Polymer and Its Analytical Application. Spectroscopy Letters, 2015, 48, 616-621.	1.0	7

#	Article	IF	Citations
19	Determination of trace uranium (VI) using its self-assembly with a tetradentateâ€“monodentate ditopic ligand by resonance light scattering. International Journal of Environmental Analytical Chemistry, 2016, 96, 542-551.	3.3	7
20	Ratiometric colorimetric determination of coenzyme A using gold nanoparticles andÂa binuclear uranyl complex as optical probes. Mikrochimica Acta, 2016, 183, 715-721.	5.0	7
21	Theoretical investigation into the coordination of Râ€/Sâ€asymmetric uranylâ€“salophens containing sixâ€membered ring lactam with cisâ"/transâ€cyclohexylamines. Applied Organometallic Chemistry, 2018, 32, e4387.	3.5	7
22	A europium (III) complex-based surface fluorescence sensor for the determination of uranium (VI). Journal of Radioanalytical and Nuclear Chemistry, 2019, 321, 161-167.	1.5	7
23	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
24	Recent advances in the construction of functional nucleic acids with isothermal amplification for heavy metal ions sensor. Microchemical Journal, 2022, 175, 107077.	4.5	7
25	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
26	Theoretical investigation into coordination and selectivity of uranylâ€unilateral benzotriazole salophens (X = O/S) for R/Sâ€triadimefons. Applied Organometallic Chemistry, 2020, 34, e5486.	3.5	6
27	Insights into complexation and enantioselectivity of uranylâ€2â€(2â€hydroxyâ€3â€methoxyphenyl)â€9â€(2â€hydroxyphenyl)thiopyrano[3,2â€h]thiochromeneâ€4,7â€dione with R / S â€organophosphorus pesticides. Applied Organometallic Chemistry, 2021, 35, e6331.	3.5	6
28	Theoretical Unravelling the Complexation and Separation of Uranylâ€ligand Complexes towards Chiral R/Sâ€Profenofos. Applied Organometallic Chemistry, 0, , .	3.5	5
29	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
30	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
31	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
32	Synthesis of bipolar tetradentate ligand and determination of fructose 1,6-diphosphate by resonance light scattering of its supramolecular polymer. Journal of Radioanalytical and Nuclear Chemistry, 2020, 323, 431-438.	1.5	4
33	Graphene oxide modified H₄Lâ€ion imprinting electrochemical sensor for the detection of uranyl ions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1914-1920.	1.2	4
34	A highly sensitive fluorescence probe for metallothioneins based on tironâ€“copper complex. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 145, 85-89.	3.9	3
35	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
36	Determination of copper (II) in foodstuffs based on its quenching effect on the fluorescence of N,Nâ€²-bis(pyridoxal phosphate)-o-phenylenediamine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 662-666.	3.9	3

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37	Complexation and enantioselectivity of novel bridge-like uranyl-2-((1Z,9Z)-9-(2-Hydroxyphenyl)-3,5,6,8-tetrahydrobenzo[h][1,4,7,10]) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td (d of R/S-malathions. Environmental Technology (United Kingdom), 2022, 43, 3378-3389.	2.2	3