

Chun-Ze Lai

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,466
citations

516710

16
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

1610
citing authors

#	ARTICLE	IF	CITATIONS
1	Gold Nanoparticle-Catalyzed Luminol Chemiluminescence and Its Analytical Applications. <i>Analytical Chemistry</i> , 2005, 77, 3324-3329.	6.5	469
2	Ion-Selective Electrodes with Three-Dimensionally Ordered Macroporous Carbon as the Solid Contact. <i>Analytical Chemistry</i> , 2007, 79, 4621-4626.	6.5	255
3	Effects of Architecture and Surface Chemistry of Three-Dimensionally Ordered Macroporous Carbon Solid Contacts on Performance of Ion-Selective Electrodes. <i>Analytical Chemistry</i> , 2010, 82, 680-688.	6.5	102
4	Highly Selective Detection of Silver in the Low ppt Range with Ion-Selective Electrodes Based on Ionophore-Doped Fluorous Membranes. <i>Analytical Chemistry</i> , 2010, 82, 7634-7640.	6.5	90
5	Fluorous Membrane Ion-Selective Electrodes for Perfluorinated Surfactants: Trace-Level Detection and in Situ Monitoring of Adsorption. <i>Analytical Chemistry</i> , 2013, 85, 7471-7477.	6.5	64
6	Subnanomolar detection limit application of ion-selective electrodes with three-dimensionally ordered macroporous (3DOM) carbon solid contacts. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 123-128.	2.5	63
7	Advantages and Limitations of Reference Electrodes with an Ionic Liquid Junction and Three-Dimensionally Ordered Macroporous Carbon as Solid Contact. <i>Analytical Chemistry</i> , 2012, 84, 7771-7778.	6.5	56
8	Effect of pH on Inhibition and Enhancement of Luminol-H ₂ O ₂ -Co ²⁺ Chemiluminescence by Phenolic Compounds and Amino Acids. <i>Photochemistry and Photobiology</i> , 2004, 79, 233.	2.5	51
9	Flow injection determination of p-aminophenol at trace level using inhibited luminol-dimethylsulfoxide-NaOH-EDTA chemiluminescence. <i>Water Research</i> , 2005, 39, 396-402.	11.3	50
10	Fluorous Polymeric Membranes for Ionophore-Based Ion-Selective Potentiometry: How Inert Is Teflon AF?. <i>Journal of the American Chemical Society</i> , 2009, 131, 1598-1606.	13.7	48
11	Ionic Liquid Reference Electrodes With a Well-Controlled Co(II)/Co(III) Redox Buffer as Solid Contact. <i>Electroanalysis</i> , 2015, 27, 602-608.	2.9	38
12	Determination of phenolic compounds using high-performance liquid chromatography with Ce ⁴⁺ -Tween 20 chemiluminescence detection. <i>Analytica Chimica Acta</i> , 2004, 511, 273-279.	5.4	34
13	Spectrophotometric measurement of freshwater pH with purified meta-cresol purple and phenol red. <i>Limnology and Oceanography: Methods</i> , 2016, 14, 864-873.	2.0	32
14	Inhibition and enhancement by organic compounds of luminol-KIO ₄ -H ₂ O ₂ chemiluminescence. <i>Luminescence</i> , 2006, 21, 195-201.	2.9	28
15	Autonomous Optofluidic Chemical Analyzers for Marine Applications: Insights from the Submersible Autonomous Moored Instruments (SAMI) for pH and pCO ₂ . <i>Frontiers in Marine Science</i> , 2018, 4, .	2.5	24
16	A novel chemiluminescent method for determination of phloroglucinol. <i>Luminescence</i> , 2003, 18, 318-323.	2.9	16
17	Cation-coordinating properties of perfluoro-15-crown-5. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 42-46.	1.7	13
18	Inorganic Carbon and CO ₂ Variability During Ice Formation in the Beaufort Gyre of the Canada Basin. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 4017-4028.	2.6	12

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19	Response Mechanism of Ion-Selective Electrodes Based on a Guanidine Ionophore: An Apparently $\frac{2}{3}$ Nernstian Response Slope. <i>Electroanalysis</i> , 2008, 20, 331-339.	2.9	9
20	Autonomous in situ measurements of freshwater alkalinity. <i>Limnology and Oceanography: Methods</i> , 2021, 19, 51-66.	2.0	8
21	Effect of pH on inhibition and enhancement of luminol- H_2O_2 - Co^{2+} chemiluminescence by phenolic compounds and amino acids. <i>Photochemistry and Photobiology</i> , 2004, 79, 233-241.	2.5	4
22	Potentiometric Analyte Detection at the ppb and ppt Level Using Fluorous Sensing Membranes. <i>ECS Meeting Abstracts</i> , 2011, , .	0.0	0