Jingying Zhai

List of Publications by Year
in descending order

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Version: 2024-02-01

18	432	759233 12	839539 18
papers	citations	h-index	g-index

18	18	18	332
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	pH Independent Nano-Optode Sensors Based on Exhaustive Ion-Selective Nanospheres. Analytical Chemistry, 2014, 86, 2853-2856.	6.5	75
2	Ionophore-Based Ion-Selective Optical NanoSensors Operating in Exhaustive Sensing Mode. Analytical Chemistry, 2014, 86, 8770-8775.	6.5	53
3	Hydrogel-Based Optical Ion Sensors: Principles and Challenges for Point-of-Care Testing and Environmental Monitoring. ACS Sensors, 2021, 6, 1990-2001.	7.8	47
4	A Plasticizer-Free Miniaturized Optical Ion Sensing Platform with Ionophores and Silicon-Based Particles. Analytical Chemistry, 2018, 90, 5818-5824.	6.5	38
5	Graphene Quantum Dots Integrated in Ionophore-Based Fluorescent Nanosensors for Na⁺ and K⁺. ACS Sensors, 2018, 3, 2408-2414.	7.8	38
6	Distance-based detection of calcium ions with hydrogels entrapping exhaustive ion-selective nanoparticles. Sensors and Actuators B: Chemical, 2020, 319, 128300.	7.8	24
7	Distance and Color Change Based Hydrogel Sensor for Visual Quantitative Determination of Buffer Concentrations. ACS Sensors, 2019, 4, 1017-1022.	7.8	22
8	Electrochemical-to-Optical Signal Transduction for Ion-Selective Electrodes with Light-Emitting Diodes. Analytical Chemistry, 2018, 90, 12791-12795.	6.5	21
9	Potentiometric determination of the neurotransmitter acetylcholine with ion-selective electrodes containing oxatub[4]arenes as the ionophore. Sensors and Actuators B: Chemical, 2021, 326, 128836.	7.8	20
10	Ionophore-Based Ion-Selective Nanosensors from Brush Block Copolymer Nanodots. ACS Applied Nano Materials, 2020, 3, 782-788.	5.0	19
11	Chemiluminescent Ion Sensing Platform Based on Ionophores. Analytical Chemistry, 2019, 91, 8638-8643.	6.5	18
12	Applications of hydrophobic room temperature ionic liquids in ion-selective optodes. Sensors and Actuators B: Chemical, 2011, 159, 256-260.	7.8	15
13	Ionophore-based ion-selective electrodes: signal transduction and amplification from potentiometry. Sensors & Diagnostics, 2022, 1, 213-221.	3.8	15
14	Ionophoreâ€based Heterogeneous Calcium Optical Titration. Electroanalysis, 2018, 30, 705-709.	2.9	9
15	Fluorescence Anisotropy as a Self-Referencing Readout for Ion-Selective Sensing and Imaging Using Homo-FRET between Chromoionophores. Analytical Chemistry, 2022, 94, 9793-9800.	6.5	6
16	Colorimetric and fluorescent turn-on detection of chloride ions with ionophore and BODIPY: Evaluation with nanospheres and cellulose paper. Analytica Chimica Acta, 2021, 1175, 338752.	5.4	5
17	Ruthenium bipyridine complexes as electrochemiluminescent transducers for ionophore-based ion-selective detection. Analyst, The, 2021, 146, 6955-6959.	3.5	4
18	Perspective on fluorescence cell imaging with ionophore-based ion-selective nano-optodes. Biomicrofluidics, 2022, 16, .	2.4	3