

# Jingying Zhai

## List of Publications by Year in descending order

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18  
papers

432  
citations

759233

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839539

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times ranked

332  
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#	ARTICLE	IF	CITATIONS
1	Ionophore-based ion-selective electrodes: signal transduction and amplification from potentiometry. <i>Sensors &amp; Diagnostics</i> , 2022, 1, 213-221.	3.8	15
2	Perspective on fluorescence cell imaging with ionophore-based ion-selective nano-optodes. <i>Biomicrofluidics</i> , 2022, 16, .	2.4	3
3	Fluorescence Anisotropy as a Self-Referencing Readout for Ion-Selective Sensing and Imaging Using Homo-FRET between Chromoionophores. <i>Analytical Chemistry</i> , 2022, 94, 9793-9800.	6.5	6
4	Potentiometric determination of the neurotransmitter acetylcholine with ion-selective electrodes containing oxatub[4]arenes as the ionophore. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128836.	7.8	20
5	Ruthenium bipyridine complexes as electrochemiluminescent transducers for ionophore-based ion-selective detection. <i>Analyst</i> , The, 2021, 146, 6955-6959.	3.5	4
6	Hydrogel-Based Optical Ion Sensors: Principles and Challenges for Point-of-Care Testing and Environmental Monitoring. <i>ACS Sensors</i> , 2021, 6, 1990-2001.	7.8	47
7	Colorimetric and fluorescent turn-on detection of chloride ions with ionophore and BODIPY: Evaluation with nanospheres and cellulose paper. <i>Analytica Chimica Acta</i> , 2021, 1175, 338752.	5.4	5
8	Ionophore-Based Ion-Selective Nanosensors from Brush Block Copolymer Nanodots. <i>ACS Applied Nano Materials</i> , 2020, 3, 782-788.	5.0	19
9	Distance-based detection of calcium ions with hydrogels entrapping exhaustive ion-selective nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2020, 319, 128300.	7.8	24
10	Chemiluminescent Ion Sensing Platform Based on Ionophores. <i>Analytical Chemistry</i> , 2019, 91, 8638-8643.	6.5	18
11	Distance and Color Change Based Hydrogel Sensor for Visual Quantitative Determination of Buffer Concentrations. <i>ACS Sensors</i> , 2019, 4, 1017-1022.	7.8	22
12	A Plasticizer-Free Miniaturized Optical Ion Sensing Platform with Ionophores and Silicon-Based Particles. <i>Analytical Chemistry</i> , 2018, 90, 5818-5824.	6.5	38
13	Ionophore-Based Heterogeneous Calcium Optical Titration. <i>Electroanalysis</i> , 2018, 30, 705-709.	2.9	9
14	Electrochemical-to-Optical Signal Transduction for Ion-Selective Electrodes with Light-Emitting Diodes. <i>Analytical Chemistry</i> , 2018, 90, 12791-12795.	6.5	21
15	Graphene Quantum Dots Integrated in Ionophore-Based Fluorescent Nanosensors for Na <sup>+</sup> and K <sup>+</sup> . <i>ACS Sensors</i> , 2018, 3, 2408-2414.	7.8	38
16	pH Independent Nano-Optode Sensors Based on Exhaustive Ion-Selective Nanospheres. <i>Analytical Chemistry</i> , 2014, 86, 2853-2856.	6.5	75
17	Ionophore-Based Ion-Selective Optical NanoSensors Operating in Exhaustive Sensing Mode. <i>Analytical Chemistry</i> , 2014, 86, 8770-8775.	6.5	53
18	Applications of hydrophobic room temperature ionic liquids in ion-selective optodes. <i>Sensors and Actuators B: Chemical</i> , 2011, 159, 256-260.	7.8	15