

# Renjie Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

608  
citations

516710

16  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

902  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid and sensitive detection of Salmonella typhimurium using aptamer-conjugated carbon dots as fluorescence probe. <i>Analytical Methods</i> , 2015, 7, 1701-1706.	2.7	103
2	A microfluidic chip based on an ITO support modified with Ag-Au nanocomposites for SERS based determination of melamine. <i>Mikrochimica Acta</i> , 2017, 184, 279-287.	5.0	43
3	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
4	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
5	Impedimetric detection of bacteria by using a microfluidic chip and silver nanoparticle based signal enhancement. <i>Mikrochimica Acta</i> , 2018, 185, 184.	5.0	37
6	Label-free impedimetric glycan biosensor for quantitative evaluation interactions between pathogenic bacteria and mannose. <i>Biosensors and Bioelectronics</i> , 2018, 103, 94-98.	10.1	36
7	Immuno-capture and in situ detection of Salmonella typhimurium on a novel microfluidic chip. <i>Analytica Chimica Acta</i> , 2015, 853, 710-717.	5.4	31
8	A rapid point-of-care optical ion sensing platform based on target-induced dye release from smart hydrogels. <i>Chemical Communications</i> , 2019, 55, 1774-1777.	4.1	31
9	Sensitive quantification and visual detection of bacteria using CdSe/ZnS@SiO <sub>2</sub> nanoparticles as fluorescent probes. <i>Analytical Methods</i> , 2014, 6, 6802-6808.	2.7	28
10	Rapid Equilibrated Colorimetric Detection of Protamine and Heparin: Recognition at the Nanoscale Liquid-Liquid Interface. <i>Analytical Chemistry</i> , 2019, 91, 10390-10394.	6.5	28
11	Sensing of inorganic ions in microfluidic devices. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129171.	7.8	28
12	Fabrication of ITO-rGO/Ag NPs nanocomposite by two-step chronoamperometry electrodeposition and its characterization as SERS substrate. <i>Applied Surface Science</i> , 2015, 349, 805-810.	6.1	24
13	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
14	Exploring the anti-quorum sensing activity of a <i>limonene</i> nanoemulsion for <i>Escherichia coli</i> O157:H7. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1979-1986.	4.0	20
15	Ionophore-Based Ion-Selective Nanosensors from Brush Block Copolymer Nanodots. <i>ACS Applied Nano Materials</i> , 2020, 3, 782-788.	5.0	19
16	Sensitive determination of pyrrolizidine alkaloids in <i>Tussilago farfara</i> L. by field-amplified, sample-stacking, sweeping micellar electrokinetic chromatography. <i>Journal of Separation Science</i> , 2016, 39, 4243-4250.	2.5	16
17	An integrated microsystem with dielectrophoresis enrichment and impedance detection for detection of <i>Escherichia coli</i> . <i>Biomedical Microdevices</i> , 2017, 19, 34.	2.8	16
18	Ionophore-based pH independent detection of ions utilizing aggregation-induced effects. <i>Analyst</i> , 2020, 145, 3846-3850.	3.5	16

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19	Rapid fluorescence detection of pathogenic bacteria using magnetic enrichment technique combined with magnetophoretic chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4709-4718.	3.7	14
20	Detection of <i>Staphylococcus aureus</i> using acridine orange-doped silica nanoparticles as a fluorescent label. <i>RSC Advances</i> , 2015, 5, 54338-54344.	3.6	8
21	Ion-Induced Phase Transfer of Cationic Dyes for Fluorescence-Based Electrolyte Sensing in Droplet Microfluidics. <i>Analytical Chemistry</i> , 2021, 93, 13694-13702.	6.5	6
22	Digital printing of selective and reversible ion optodes on fabrics: toward smart clothes for epidermal chemical sensing. <i>Analyst, The</i> , 2021, 146, 6119-6123.	3.5	4
23	Basic studies on epigenetic carcinogenesis of low-dose exposure to 1-trichloromethyl-1,2,3,4-tetrahydro- $\beta$ -carboline (TaClo) in vitro. <i>PLoS ONE</i> , 2017, 12, e0172243.	2.5	2