

# Sui Wang

## List of Publications by Year in descending order

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63  
papers

1,322  
citations

331259

21  
h-index

395343

33  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1699  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-strength, anti-fatigue, stretchable self-healing polyvinyl alcohol hydrogel based on borate bonds and hydrogen bonds. <i>Journal of Dispersion Science and Technology</i> , 2022, 43, 690-703.	1.3	22
2	Preparation and application of a stretchable, conductive and temperature-sensitive dual-network nanocomposite hydrogel. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2022, 59, 72-82.	1.2	4
3	A ratiometric fluorescence sensor based on carbon quantum dots realized the quantitative and visual detection of Hg <sup>2+</sup> . <i>Luminescence</i> , 2022, 37, 220-229.	1.5	9
4	Ratiometric fluorescence sensor based on carbon quantum dots for visual detection of hypochlorite ions. <i>Journal of Nanoparticle Research</i> , 2022, 24, 1.	0.8	1
5	Cascade i-motifs-dependent reversible electrochemical impedance strategy-oriented pH and terminal deoxynucleotidyl transferase biosensing. <i>Bioelectrochemistry</i> , 2022, 145, 108085.	2.4	4
6	Double dynamic bonds tough hydrogel with high self-healing properties based on acylhydrazone bonds and borate bonds. <i>Polymers for Advanced Technologies</i> , 2022, 33, 2528-2541.	1.6	7
7	Synthesis of dual cross-linked ion conductive temperature-sensitive hydrogel and its application in tunable smart window. <i>Journal of Materials Science</i> , 2022, 57, 12672-12684.	1.7	4
8	Conductive PNIPAM/CMCS/MWCNT/PANI hydrogel with temperature, pressure and pH sensitivity. <i>ChemistrySelect</i> , 2021, 6, 4229-4237.	0.7	13
9	DNA walker-mediated biosensor for target-triggered triple-mode detection of <i>Vibrio parahaemolyticus</i> . <i>Biosensors and Bioelectronics</i> , 2021, 186, 113305.	5.3	37
10	Preparation of multifunctional hydrogels with pore channels using agarose sacrificial templates and its applications. <i>Polymers for Advanced Technologies</i> , 2021, 32, 1752-1762.	1.6	7
11	Coenzyme A-aptamer-facilitated label-free electrochemical stripping strategy for sensitive detection of histone acetyltransferase activity. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111934.	5.3	22
12	Faraday cage-type aptasensor for dual-mode detection of <i>Vibrio parahaemolyticus</i> . <i>Mikrochimica Acta</i> , 2020, 187, 529.	2.5	20
13	A dual-crosslinking strategy for building photoluminescence hydrogel with toughness, self-recovery, and two-color tunability. <i>Colloid and Polymer Science</i> , 2020, 298, 1715-1727.	1.0	5
14	A conductive polyacrylamide/double bond chitosan/polyaniline hydrogel for flexible sensing. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10381-10389.	1.1	11
15	A simple multifunctional PNIPAM-GO/PANI hydrogel preparation strategy and its application in dye adsorption and infrared switching. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2020, 57, 751-760.	1.2	10
16	Visible-Light-Excited Room Temperature Phosphorescent Carbon Dots. <i>Nanomaterials</i> , 2020, 10, 464.	1.9	28
17	Reprogrammable fluorescence logic sensing for biomolecules via RNA-like coenzyme A-based coordination polymer. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112405.	5.3	5
18	Fast scan voltammetry-derived ultrasensitive Faraday cage-type electrochemical immunoassay for large-size targets. <i>Biosensors and Bioelectronics</i> , 2020, 163, 112277.	5.3	19



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37	One-Step Constructed Electrochemiluminescence Sensor Coupled with Magnetic Enhanced Solid Phase Microextraction to Sensitive Detect Bisphenol-A. <i>ChemElectroChem</i> , 2018, 5, 2449-2457.	1.7	6
38	Potential-resolved Faraday cage-type electrochemiluminescence biosensor for simultaneous determination of miRNAs using functionalized g-C <sub>3</sub> N <sub>4</sub> and metal organic framework nanosheets. <i>Biosensors and Bioelectronics</i> , 2018, 118, 247-252.	5.3	60
39	A Novel Surface-ethered Analysis Method for Mercury (II) ion Detection via Self-assembly of Individual Electrochemiluminescence Signal Units. <i>Electroanalysis</i> , 2018, 30, 859-867.	1.5	3
40	Self-healing supramolecular hydrogel of poly(vinyl alcohol)/chitosan carbon dots. <i>Journal of Materials Science</i> , 2017, 52, 10614-10623.	1.7	41
41	In situ grown DNA nanotail-templated silver nanoclusters enabling label-free electrochemical sensing of terminal deoxynucleotidyl transferase activity. <i>Biosensors and Bioelectronics</i> , 2017, 98, 91-99.	5.3	44
42	Potential-resolved in-electrode-type electrochemiluminescence immunoassay based on functionalized g-C <sub>3</sub> N <sub>4</sub> nanosheet and Ru-NH <sub>2</sub> for simultaneous determination of dual targets. <i>Biosensors and Bioelectronics</i> , 2017, 95, 27-33.	5.3	37
43	Signal-on electrochemical assay for label-free detection of TdT and BamHI activity based on grown DNA nanowire-templated copper nanoclusters. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6677-6688.	1.9	12
44	Electrochemiluminescence Immunosensor Based on Functionalized Graphene/Fe <sub>3</sub> O <sub>4</sub> -Au Magnetic Capture Probes for Ultrasensitive Detection of Tetrodotoxin. <i>Electroanalysis</i> , 2017, 29, 2098-2105.	1.5	12
45	Electrochemical luminescence determination of hyperin using a sol-gel/graphene luminescent composite film modified electrode for solid phase microextraction. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 843-848.	2.0	15
46	Electrochemiluminescence Aptasensor for the MUC1 Protein Based on Multi-functionalized Graphene Oxide Nanocomposite. <i>Electroanalysis</i> , 2016, 28, 1504-1509.	1.5	10
47	A poly(2-(dimethylamino)ethyl methacrylate-co-methacrylic acid) complex induced route to fabricate a super-hydrophilic hydrogel and its controllable oil/water separation. <i>RSC Advances</i> , 2016, 6, 40656-40663.	1.7	36
48	An in-electrode-type immunosensing strategy for the detection of squamous cell carcinoma antigen based on electrochemiluminescent AuNPs/g-C <sub>3</sub> N <sub>4</sub> nanocomposites. <i>Talanta</i> , 2016, 160, 247-255.	2.9	27
49	Faraday cage-type electrochemiluminescence immunosensor for ultrasensitive detection of <i>Vibrio vulnificus</i> based on multi-functionalized graphene oxide. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7203-7211.	1.9	17
50	Open-cell polypropylene/polyolefin elastomer blend foams fabricated for reusable oil sorption materials. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	30
51	In-electrode vs. on-electrode: ultrasensitive Faraday cage-type electrochemiluminescence immunoassay. <i>Chemical Communications</i> , 2016, 52, 4621-4624.	2.2	42
52	A label-free multi-functionalized graphene oxide based electrochemiluminescence immunosensor for ultrasensitive and rapid detection of <i>Vibrio parahaemolyticus</i> in seawater and seafood. <i>Talanta</i> , 2016, 147, 220-225.	2.9	52
53	A test strip for lead(II) based on gold nanoparticles multi-functionalized by DNAzyme and barcode DNA. <i>Journal of Analytical Chemistry</i> , 2015, 70, 339-345.	0.4	12
54	A one-step electrochemiluminescence immunosensor preparation for ultrasensitive detection of carbohydrate antigen 19-9 based on multi-functionalized graphene oxide. <i>Biosensors and Bioelectronics</i> , 2015, 66, 468-473.	5.3	51

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55	Determination of Nanomolar Levels of Mercury(II) by Exploiting the Silver Stain Enhancement of the Aggregation of Aptamer-Functionalized Gold Nanoparticles. <i>Analytical Letters</i> , 2014, 47, 795-806.	1.0	7
56	Solid-phase microextraction of Methylene Blue using carboxy graphene-modified steel wires, and its detection by electrochemiluminescence. <i>Mikrochimica Acta</i> , 2014, 181, 427-433.	2.5	16
57	Electrochemiluminescence Sensor for Selective Preconcentration and Sensitive Detection of Napropamide Using Water-soluble Sulfonated Graphene. <i>Electroanalysis</i> , 2014, 26, 849-855.	1.5	7
58	Ionic liquid-based hollow fiber-supported liquid-phase microextraction enhanced electrically for the determination of neutral red. <i>Journal of Food and Drug Analysis</i> , 2014, 22, 418-424.	0.9	16
59	Multiplex electrochemiluminescence immunoassay of two tumor markers using multicolor quantum dots as labels and graphene as conducting bridge. <i>Biosensors and Bioelectronics</i> , 2013, 44, 101-107.	5.3	113
60	Removal of Organic Dyes in Environmental Water onto Magnetic-sulfonic Graphene Nanocomposite. <i>Clean - Soil, Air, Water</i> , 2013, 41, 992-1001.	0.7	25
61	Development of electrochemiluminescent inhibition method for determination of gentian violet in aquatic water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 89, 25-29.	2.0	9
62	Highly-sensitive ion selective electrode based on molecularly imprinted polymer particles for determination of tetracycline in aqueous samples. <i>Russian Journal of Electrochemistry</i> , 2011, 47, 940-947.	0.3	9
63	Study on ionic liquid [bmim]PF <sub>6</sub> and [hmim]PF <sub>6</sub> as plasticizer for PVC paste resin. <i>Polymer Bulletin</i> , 2011, 67, 1273-1283.	1.7	16