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	Multiplex electrochemiluminescence immunoassay of two tumor markers using multicolor quantum dots as labels and graphene asconductingbridge. Biosensors and Bioelectronics, 2013, 44, 101-107.	5.3	113
2	A multiple signal amplification sandwich-type SERS biosensor for femtomolar detection of miRNA. Biosensors and Bioelectronics, 2019, 143, 111616.	5.3	74
3	Potential-resolved Faraday cage-type electrochemiluminescence biosensor for simultaneous determination of miRNAs using functionalized g-C3N4 and metal organic framework nanosheets. Biosensors and Bioelectronics, 2018, 118, 247-252.	5.3	60
4	Ultrasensitive Faraday cage-type electrochemiluminescence assay for femtomolar miRNA-141 via graphene oxide and hybridization chain reaction-assisted cascade amplification. Biosensors and Bioelectronics, 2018, 109, 13-19.	5.3	54
5	A label-free multi-functionalized graphene oxide based electrochemiluminscence immunosensor for ultrasensitive and rapid detection of Vibrio parahaemolyticus in seawater and seafood. Talanta, 2016, 147, 220-225.	2.9	52
6	A one-step electrochemiluminescence immunosensor preparation for ultrasensitive detection of carbohydrate antigen 19-9 based on multi-functionalized graphene oxide. Biosensors and Bioelectronics, 2015, 66, 468-473.	5.3	51
7	In situ grown DNA nanotail-templated silver nanoclusters enabling label-free electrochemical sensing of terminal deoxynucleotidyl transferase activity. Biosensors and Bioelectronics, 2017, 98, 91-99.	5.3	44
8	In-electrode vs. on-electrode: ultrasensitive Faraday cage-type electrochemiluminescence immunoassay. Chemical Communications, 2016, 52, 4621-4624.	2.2	42
9	Self-healing supramolecular hydrogel of poly(vinyl alcohol)/chitosan carbon dots. Journal of Materials Science, 2017, 52, 10614-10623.	1.7	41
10	Potential-resolved â€œin-electrodeâ€•type electrochemiluminescence immunoassay based on functionalized g-C 3 N 4 nanosheet and Ru-NH 2 for simultaneous determination of dual targets. Biosensors and Bioelectronics, 2017, 95, 27-33.	5.3	37
11	DNA walker-mediated biosensor for target-triggered triple-mode detection of Vibrio parahaemolyticus. Biosensors and Bioelectronics, 2021, 186, 113305.	5.3	37
12	A poly(2-(dimethylamino)ethyl methacrylate-co-methacrylic acid) complex induced route to fabricate a super-hydrophilic hydrogel and its controllable oil/water separation. RSC Advances, 2016, 6, 40656-40663.	1.7	36
13	Openâ€cell polypropylene/polyolefin elastomer blend foams fabricated for reusable oilâ€sorption materials. Journal of Applied Polymer Science, 2016, 133, .	1.3	30
14	Visible-Light-Excited Room Temperature Phosphorescent Carbon Dots. Nanomaterials, 2020, 10, 464.	1.9	28
15	An â€œin-electrodeâ€•type immunosensing strategy for the detection of squamous cell carcinoma antigen based on electrochemiluminescent AuNPs/g-C 3 N 4 nanocomposites. Talanta, 2016, 160, 247-255.	2.9	27
16	UV lightâ€tunable fluorescent inks and polymer hydrogel films based on carbon nanodots and lanthanide for enhancing antiâ€counterfeiting. Luminescence, 2019, 34, 437-443.	1.5	27
17	A Faraday cage-type immunosensor for dual-modal detection of Vibrio parahaemolyticus by electrochemiluminescence and anodic stripping voltammetry. Analytica Chimica Acta, 2019, 1062, 124-130.	2.6	26
18	Removal of Organic Dyes in Environmental Water onto Magneticâ€Sulfonic Graphene Nanocomposite. Clean - Soil, Air, Water, 2013, 41, 992-1001.	0.7	25

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19	Poly(vinyl alcohol)â€“Carbon Nanodots Fluorescent Hydrogel with Superior Mechanical Properties and Sensitive to Detection of Iron(III) Ions. Macromolecular Materials and Engineering, 2019, 304, 1900326.	1.7	23
20	Selfâ€Healing Hydrogel of Poly (vinyl alcohol)/Agarose with Robust Mechanical Property. Starch/Staerke, 2019, 71, 1800281.	1.1	23
21	Coenzyme A-aptamer-facilitated label-free electrochemical stripping strategy for sensitive detection of histone acetyltransferase activity. Biosensors and Bioelectronics, 2020, 150, 111934.	5.3	22
22	High-strength, anti-fatigue, stretchable self-healing polyvinyl alcohol hydrogel based on borate bonds and hydrogen bonds. Journal of Dispersion Science and Technology, 2022, 43, 690-703.	1.3	22
23	Competition-derived FRET-switching cationic conjugated polymer-Ir(III) complex probe for thrombin detection. Biosensors and Bioelectronics, 2018, 100, 132-138.	5.3	21
24	Faraday cage-type aptasensor for dual-mode detection of Vibrio parahaemolyticus. Mikrochimica Acta, 2020, 187, 529.	2.5	20
25	Ultrasensitive mushroom-like electrochemical immunosensor for probing the activity of histone acetyltransferase. Analytica Chimica Acta, 2019, 1066, 28-35.	2.6	19
26	Fast scan voltammetry-derived ultrasensitive Faraday cage-type electrochemical immunoassay for large-size targets. Biosensors and Bioelectronics, 2020, 163, 112277.	5.3	19
27	Selfâ€healing hydrogel of poly(vinyl alcohol)/graphite oxide with p<scp>H</scp>â€sensitive and enhanced thermal properties. Journal of Applied Polymer Science, 2018, 135, 46143.	1.3	18
28	Faraday cage-type electrochemiluminescence immunosensor for ultrasensitive detection of Vibrio vulnificus based on multi-functionalized graphene oxide. Analytical and Bioanalytical Chemistry, 2016, 408, 7203-7211.	1.9	17
29	Study on ionic liquid [bmim]PF6 and [hmim]PF6 as plasticizer for PVC paste resin. Polymer Bulletin, 2011, 67, 1273-1283.	1.7	16
30	Solid-phase microextraction of Methylene Blue using carboxy graphene-modified steel wires, and its detection by electrochemiluminescence. Mikrochimica Acta, 2014, 181, 427-433.	2.5	16
31	Ionic liquid-based hollow fiber-supported liquid-phase microextraction enhanced electrically for the determination of neutral red. Journal of Food and Drug Analysis, 2014, 22, 418-424.	0.9	16
32	Protein-mimicking nanowire-inspired electro-catalytic biosensor for probing acetylcholinesterase activity and its inhibitors. Talanta, 2018, 183, 258-267.	2.9	16
33	Electrochemical luminescence determination of hyperin using a sol-gel@graphene luminescent composite film modified electrode for solid phase microextraction. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 843-848.	2.0	15
34	A ratiometric electrochemiluminescent tetracycline assay based on the combined use of carbon nanodots, Ru(bpy)32+, and magnetic solid phase microextraction. Mikrochimica Acta, 2019, 186, 512.	2.5	15
35	Ultrasensitive electrochemiluminescence immunosensor for the transcriptional co-activator p300 by using a graphene oxide monolayer and tetrahedral DNA-mediated signal amplification. Mikrochimica Acta, 2019, 186, 325.	2.5	13
36	Conductive PNIPAM/CMCS/MWCNT/PANI hydrogel with temperature, pressure and pH sensitivity. ChemistrySelect, 2021, 6, 4229-4237.	0.7	13

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37	A test strip for lead(II) based on gold nanoparticles multi-functionalized by DNAzyme and barcode DNA. Journal of Analytical Chemistry, 2015, 70, 339-345.	0.4	12
38	Signal-on electrochemical assay for label-free detection of TdT and BamHI activity based on grown DNA nanowire-templated copper nanoclusters. Analytical and Bioanalytical Chemistry, 2017, 409, 6677-6688.	1.9	12
39	Electrochemiluminescence Immunosensor Based on Functionalized Graphene/Fe₃O₄â€Au Magnetic Capture Probes for Ultrasensitive Detection of Tetrodotoxin. Electroanalysis, 2017, 29, 2098-2105.	1.5	12
40	A conductive polyacrylamide/double bond chitosan/polyaniline hydrogel for flexible sensing. Journal of Materials Science: Materials in Electronics, 2020, 31, 10381-10389.	1.1	11
41	Electrochemiluminescence Aptasensor for the MUC1 Protein Based on Multiâ€functionalized Graphene Oxide Nanocomposite. Electroanalysis, 2016, 28, 1504-1509.	1.5	10
42	Supramolecular hydrogel of poly(vinyl alcohol)/chitosan: A dual crossâ€link design. Advances in Polymer Technology, 2018, 37, 2186-2194.	0.8	10
43	A simple multifunctional PNIPAM-GO/PANI hydrogel preparation strategy and its application in dye adsorption and infrared switching. Journal of Macromolecular Science - Pure and Applied Chemistry, 2020, 57, 751-760.	1.2	10
44	Highly-sensitive ion selective electrode based on molecularly imprinted polymer particles for determination of tetracycline in aqueous samples. Russian Journal of Electrochemistry, 2011, 47, 940-947.	0.3	9
45	Development of electrochemiluminescent inhibition method for determination of gentian violet in aquatic water. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 89, 25-29.	2.0	9
46	A ratiometric fluorescence sensor based on carbon quantum dots realized the quantitative and visual detection of Hg²⁺. Luminescence, 2022, 37, 220-229.	1.5	9
47	A label-free electrochemical immunosensor based on multi-functionalized graphene oxide for ultrasensitive detection of microcystin-LR. Chemical Papers, 2018, 72, 71-79.	1.0	8
48	Fast-Scan Anodic Stripping Voltammetry for Detection of Pb(II) at Picomolar Level. Russian Journal of Electrochemistry, 2019, 55, 222-228.	0.3	8
49	Determination of Nanomolar Levels of Mercury(II) by Exploiting the Silver Stain Enhancement of the Aggregation of Aptamer-Functionalized Gold Nanoparticles. Analytical Letters, 2014, 47, 795-806.	1.0	7
50	Electrochemiluminescence Sensor for Selective Preconcentration and Sensitive Detection of Napropamide Using Waterâ€Soluble Sulfonated Graphene. Electroanalysis, 2014, 26, 849-855.	1.5	7
51	Preparation of multifunctional hydrogels with pore channels using agarose sacrificial templates and its applications. Polymers for Advanced Technologies, 2021, 32, 1752-1762.	1.6	7
52	Double dynamic bonds tough hydrogel with high selfâ€healing properties based on acylhydrazone bonds and borate bonds. Polymers for Advanced Technologies, 2022, 33, 2528-2541.	1.6	7
53	Design of robust and photoluminescenceâ€responsive materials based on poly(methacrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Journal of Applied Polymer Science, 2018, 135, 46354.	1.3	6
54	Oneâ€Step Constructed Electrochemiluminescence Sensor Coupled with Magnetic Enhanced Solid Phase Microextraction to Sensitively Detect Bisphenolâ€A. ChemElectroChem, 2018, 5, 2449-2457.	1.7	6

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55	A Novel Surfaceâ€Tethered Doubleâ€Signal Electrochemiluminescence Sensor Based on Luminol@Au and CdS Quantum Dots for Mercury Ion Detection. ChemistrySelect, 2019, 4, 2926-2932.	0.7	5
56	A dual-crosslinking strategy for building photoluminescence hydrogel with toughness, self-recovery, and two-color tunability. Colloid and Polymer Science, 2020, 298, 1715-1727.	1.0	5
57	Reprogrammable fluorescence logic sensing for biomolecules via RNA-like coenzyme A-based coordination polymer. Biosensors and Bioelectronics, 2020, 165, 112405.	5.3	5
58	Preparation and application of a stretchable, conductive and temperature-sensitive dual-network nanocomposite hydrogel. Journal of Macromolecular Science - Pure and Applied Chemistry, 2022, 59, 72-82.	1.2	4
59	Cascade i-motifs-dependent reversible electrochemical impedance strategy-oriented pH and terminal deoxynucleotidyl transferase biosensing. Bioelectrochemistry, 2022, 145, 108085.	2.4	4
60	Synthesis of dual cross-linked ion conductive temperature-sensitive hydrogel and its application in tunable smart window. Journal of Materials Science, 2022, 57, 12672-12684.	1.7	4
61	A Novel Surfaceâ€tethered Analysis Method for Mercury (II) ion Detection via Selfâ€assembly of Individual Electrochemiluminescence Signal Units. Electroanalysis, 2018, 30, 859-867.	1.5	3
62	Multicolor photoluminescent carbon nanodots regulated by degree of oxidation for multicolor patterning, invisible inks, and detection of metal ions. Journal of Nanoparticle Research, 2019, 21, 1.	0.8	3
63	Ratiometric fluorescence sensor based on carbon quantum dots for visual detection of hypochlorite ions. Journal of Nanoparticle Research, 2022, 24, 1.	0.8	1