

Jian Sun

List of Publications by Year in descending order

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66
papers

3,809
citations

101496

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128225

60
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67
all docs

67
docs citations

67
times ranked

4414
citing authors

#	ARTICLE	IF	CITATIONS
1	Polydopamine Nanoparticles as Efficient Scavengers for Reactive Oxygen Species in Periodontal Disease. ACS Nano, 2018, 12, 8882-8892.	7.3	401
2	Enhanced Catalytic Activities of Surfactant-Assisted Exfoliated WS ₂ Nanodots for Hydrogen Evolution. ACS Nano, 2016, 10, 2159-2166.	7.3	269
3	FRET Effect between Fluorescent Polydopamine Nanoparticles and MnO ₂ Nanosheets and Its Application for Sensitive Sensing of Alkaline Phosphatase. ACS Applied Materials & Interfaces, 2018, 10, 6560-6569.	4.0	175
4	Fluorescence Immunoassay Based on the Phosphate-Triggered Fluorescence Turn-on Detection of Alkaline Phosphatase. Analytical Chemistry, 2018, 90, 3505-3511.	3.2	145
5	Fluorescent and Colorimetric Dual-Readout Assay for Inorganic Pyrophosphatase with Cu ²⁺ -Triggered Oxidation of <i>o</i> -Phenylenediamine. Analytical Chemistry, 2016, 88, 1355-1361.	3.2	140
6	Fluorescent Au nanoclusters: recent progress and sensing applications. Journal of Materials Chemistry C, 2014, 2, 8000-8011.	2.7	133
7	Highly Sensitive Real-Time Assay of Inorganic Pyrophosphatase Activity Based on the Fluorescent Gold Nanoclusters. Analytical Chemistry, 2014, 86, 7883-7889.	3.2	118
8	11-Mercaptoundecanoic acid directed one-pot synthesis of water-soluble fluorescent gold nanoclusters and their use as probes for sensitive and selective detection of Cr ³⁺ and Cr ⁶⁺ . Journal of Materials Chemistry C, 2013, 1, 138-143.	2.7	116
9	Evaluation on equality and efficiency of health resources allocation and health services utilization in China. International Journal for Equity in Health, 2017, 16, 127.	1.5	111
10	Synthesis of thiolated Ag/Au bimetallic nanoclusters exhibiting an anti-galvanic reduction mechanism and composition-dependent fluorescence. Nanoscale, 2014, 6, 5449.	2.8	109
11	Fluorescence Immunoassay Based on the Alkaline Phosphatase Triggered in Situ Fluorogenic Reaction of <i>o</i> -Phenylenediamine and Ascorbic Acid. Analytical Chemistry, 2019, 91, 2978-2984.	3.2	99
12	Fluorescence Immunoassay System via Enzyme-Enabled in Situ Synthesis of Fluorescent Silicon Nanoparticles. Analytical Chemistry, 2016, 88, 9789-9795.	3.2	98
13	Logically Regulating Peroxidase-Like Activity of Gold Nanoclusters for Sensing Phosphate-Containing Metabolites and Alkaline Phosphatase Activity. Analytical Chemistry, 2019, 91, 15017-15024.	3.2	93
14	Integrated Logic Gate for Fluorescence Turn-on Detection of Histidine and Cysteine Based on Ag/Au Bimetallic Nanoclusters@Cu ²⁺ Ensemble. ACS Applied Materials & Interfaces, 2015, 7, 6860-6866.	4.0	90
15	Carbon dots-assisted colorimetric and fluorometric dual-mode protocol for acetylcholinesterase activity and inhibitors screening based on the inner filter effect of silver nanoparticles. Analyst, The, 2016, 141, 3280-3288.	1.7	80
16	Fluorescence Light-Up Biosensor for MicroRNA Based on the Distance-Dependent Photoinduced Electron Transfer. Analytical Chemistry, 2017, 89, 8429-8436.	3.2	79
17	Facile and rapid synthesis of water-soluble fluorescent gold nanoclusters for sensitive and selective detection of Ag ⁺ . Journal of Materials Chemistry C, 2013, 1, 908-913.	2.7	78
18	Alkaline Phosphatase-Triggered in Situ Formation of Silicon-Containing Nanoparticles for a Fluorometric and Colorimetric Dual-Channel Immunoassay. Analytical Chemistry, 2020, 92, 4639-4646.	3.2	75

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19	Gold nanoclustersâ€“Cu ²⁺ ensemble-based fluorescence turn-on and real-time assay for acetylcholinesterase activity and inhibitor screening. <i>Biosensors and Bioelectronics</i> , 2015, 74, 177-182.	5.3	68
20	Inner Filter Effect-Based Sensor for Horseradish Peroxidase and Its Application to Fluorescence Immunoassay. <i>ACS Sensors</i> , 2018, 3, 183-190.	4.0	67
21	Synthesis of functionalized fluorescent gold nanoclusters for acid phosphatase sensing. <i>Nanoscale</i> , 2015, 7, 16372-16380.	2.8	64
22	Ultra-Sensitive Colorimetric Assay System Based on the Hybridization Chain Reaction-Triggered Enzyme Cascade Amplification. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 167-175.	4.0	64
23	Alkaline Phosphatase Assay Based on the Chromogenic Interaction of Diethanolamine with 4-Aminophenol. <i>Analytical Chemistry</i> , 2018, 90, 6339-6345.	3.2	62
24	An Enzyme Cascade-Triggered Fluorogenic and Chromogenic Reaction Applied in Enzyme Activity Assay and Immunoassay. <i>Analytical Chemistry</i> , 2018, 90, 7754-7760.	3.2	60
25	Fluorometric and Colorimetric Dual-Readout Immunoassay Based on an Alkaline Phosphatase-Triggered Reaction. <i>Analytical Chemistry</i> , 2019, 91, 7828-7834.	3.2	60
26	Prokaryotic Diversity in Mangrove Sediments across Southeastern China Fundamentally Differs from That in Other Biomes. <i>MSystems</i> , 2019, 4, .	1.7	57
27	In Situ Fluorogenic and Chromogenic Reactions for the Sensitive Dual-Readout Assay of Tyrosinase Activity. <i>Analytical Chemistry</i> , 2017, 89, 10529-10536.	3.2	56
28	Multienzyme Cascades Based on Highly Efficient Metalâ€“Nitrogenâ€“Carbon Nanozymes for Construction of Versatile Bioassays. <i>Analytical Chemistry</i> , 2022, 94, 3485-3493.	3.2	54
29	Polymethyldopa Nanoparticles-Based Fluorescent Sensor for Detection of Tyrosinase Activity. <i>ACS Sensors</i> , 2018, 3, 1855-1862.	4.0	48
30	Colorimetric Logic Gate for Pyrophosphate and Pyrophosphatase via Regulating the Catalytic Capability of Horseradish Peroxidase. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29529-29535.	4.0	44
31	Europium Luminescence Used for Logic Gate and Ions Sensing with Enoxacin As the Antenna. <i>Analytical Chemistry</i> , 2016, 88, 1238-1245.	3.2	42
32	Photo-Induced Electron Transfer-Based Versatile Platform with G-Quadruplex/Hemin Complex as Quencher for Construction of DNA Logic Circuits. <i>Analytical Chemistry</i> , 2018, 90, 3437-3442.	3.2	42
33	A fluorescent ELISA based on the enzyme-triggered synthesis of poly(thymine)-templated copper nanoparticles. <i>Nanoscale</i> , 2016, 8, 16846-16850.	2.8	41
34	A luminescent europium-dipicolinic acid nanohybrid for the rapid and selective sensing of pyrophosphate and alkaline phosphatase activity. <i>Nanoscale</i> , 2018, 10, 7163-7170.	2.8	41
35	Enzyme-induced in situ generation of polymer carbon dots for fluorescence immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2020, 306, 127583.	4.0	41
36	A dual-mode signaling response of a AuNP-fluorescein based probe for specific detection of thiourea. <i>Analyst</i> , The, 2016, 141, 2581-2587.	1.7	40

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37	Enzyme-free aptamer/AuNPs-based fluorometric and colorimetric dual-mode detection for ATP. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 67-74.	4.0	40
38	A pH-controlled bidirectionally pure DNA hydrogel: reversible self-assembly and fluorescence monitoring. <i>Chemical Communications</i> , 2018, 54, 4621-4624.	2.2	38
39	Enhanced oxidase-like activity of g-C ₃ N ₄ nanosheets supported Pd nanosheets for ratiometric fluorescence detection of acetylcholinesterase activity and its inhibitor. <i>Chinese Chemical Letters</i> , 2022, 33, 757-761.	4.8	35
40	A versatile strategy to fabricate MOFs/carbon material integrations and their derivatives for enhanced electrocatalysis. <i>RSC Advances</i> , 2016, 6, 7728-7735.	1.7	28
41	Dual-Readout Tyrosinase Activity Assay Facilitated by a Chromo-Fluorogenic Reaction between Catechols and Naphthoresorcin. <i>Analytical Chemistry</i> , 2020, 92, 2316-2322.	3.2	27
42	Classical Triplex Molecular Beacons for MicroRNA-21 and Vascular Endothelial Growth Factor Detection. <i>ACS Sensors</i> , 2018, 3, 2438-2445.	4.0	25
43	Interaction of Synthetic HPV-16 Capsid Peptides with Heparin: Thermodynamic Parameters and Binding Mechanism. <i>Journal of Physical Chemistry B</i> , 2010, 114, 9854-9861.	1.2	22
44	In situ formation of fluorescent silicon-containing polymer dots for alkaline phosphatase activity detection and immunoassay. <i>Science China Chemistry</i> , 2020, 63, 554-560.	4.2	22
45	Zeolitic imidazolate framework-67 accelerates infected diabetic chronic wound healing. <i>Chemical Engineering Journal</i> , 2022, 430, 133091.	6.6	22
46	Real-Time Analysis of Binding Events between Different Al^{2+} Species and Human Lirb2 by Dual Polarization Interferometry. <i>Analytical Chemistry</i> , 2017, 89, 2606-2612.	3.2	21
47	A duplex connection can further illuminate G-quadruplex/crystal violet complex. <i>Chemical Communications</i> , 2019, 55, 1911-1914.	2.2	17
48	Fe(II)-driven self-assembly of enzyme-like coordination polymer nanoparticles for cascade catalysis and wound disinfection applications. <i>Chemical Engineering Journal</i> , 2021, 420, 129674.	6.6	17
49	A fluorescence turn-on biosensor utilizing silicon-containing nanoparticles: Ultra-sensitive sensing for α -glucosidase activity and screening for its potential inhibitors. <i>Biosensors and Bioelectronics</i> , 2022, 214, 114504.	5.3	17
50	Assembly of carrier free enzymatic nano-reporters for improved ELISA. <i>Analyst</i> , 2020, 145, 6541-6548.	1.7	15
51	Assessing equity in the distribution of high-technology medical equipment in Guangxi: evidence from an ethnic minority region in Southern China. <i>International Journal for Equity in Health</i> , 2017, 16, 81.	1.5	12
52	A symmetric pseudo salen based turn-on fluorescent probe for sensitive detection and visual analysis of zinc ion. <i>Talanta</i> , 2014, 125, 301-305.	2.9	10
53	Positive selection and functional divergence of farnesyl pyrophosphate synthase genes in plants. <i>BMC Molecular Biology</i> , 2017, 18, 3.	3.0	10
54	Direct Evidence of Photoinduced Charge Transfer from Alternating Copolymer to Buckminsterfullerene. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 1824-1828.	1.1	8

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55	Transcriptome Sequencing of <i>Gynostemma pentaphyllum</i> to Identify Genes and Enzymes Involved in Triterpenoid Biosynthesis. <i>International Journal of Genomics</i> , 2016, 2016, 1-10.	0.8	8
56	Equality in the distribution of health material and human resources in Guangxi: evidence from Southern China. <i>BMC Research Notes</i> , 2017, 10, 429.	0.6	8
57	Lipophilic Red-Emitting Carbon Dots for Detecting and Tracking Lipid Droplets in Live Cells. <i>ACS Applied Bio Materials</i> , 2022, 5, 1187-1193.	2.3	8
58	Effect of immune tolerance induced by immature dendritic cells and CTLA4-Ig on systemic lupus erythematosus: An in vivo study. <i>Experimental and Therapeutic Medicine</i> , 2018, 15, 2499-2506.	0.8	7
59	A pH-regulated stimuli-responsive strategy for RNA-cleaving DNAzyme. <i>Science China Chemistry</i> , 2020, 63, 404-410.	4.2	5
60	In Situ Specific Chromogenic and Fluorogenic Reaction for Straight forward and Dual-Modal Dopamine Detection. <i>Chinese Journal of Analytical Chemistry</i> , 2020, 48, e20081-e20088.	0.9	5
61	Carbon isotope ratio of leaf litter correlates with litter production in a mangrove ecosystem in South China. <i>Marine Pollution Bulletin</i> , 2020, 157, 111224.	2.3	5
62	Using a safe and effective fixative to improve the immunofluorescence staining of bacteria. <i>Methods and Applications in Fluorescence</i> , 2021, 9, 035001.	1.1	4
63	Fluorescence immunoassay based on alkaline phosphatase-induced in situ generation of fluorescent non-conjugated polymer dots. <i>Chinese Chemical Letters</i> , 2023, 34, 107672.	4.8	4
64	Tb ³⁺ -xylenol orange complex-based colorimetric and luminometric dual-readout sensing platform for dipicolinic acid and metal ions. <i>Chinese Chemical Letters</i> , 2023, 34, 107203.	4.8	3
65	Gene excavation and expression analysis of CYP and UGT related to the post modifying stage of gypenoside biosynthesis in <i>Gynostemma pentaphyllum</i> (Thunb.) Makino by comprehensive analysis of RNA and proteome sequencing. <i>PLoS ONE</i> , 2021, 16, e0260027.	1.1	3
66	Study on Synthesis and Antibacterial Properties of AgNPs@ZIF-67 Composite Nanoparticles. <i>Acta Chimica Sinica</i> , 2022, 80, 110.	0.5	1