

# Jian Sun

## List of Publications by Year in descending order

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66  
papers

3,809  
citations

101384

36  
h-index

128067

60  
g-index

67  
all docs

67  
docs citations

67  
times ranked

4414  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tb <sup>3+</sup> -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
2	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
3	Enhanced oxidase-like activity of g-C <sub>3</sub> N <sub>4</sub> 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
4	Zeolitic imidazolate framework-67 accelerates infected diabetic chronic wound healing. <i>Chemical Engineering Journal</i> , 2022, 430, 133091.	6.6	22
5	Study on Synthesis and Antibacterial Properties of AgNPs@ZIF-67 Composite Nanoparticles. <i>Acta Chimica Sinica</i> , 2022, 80, 110.	0.5	1
6	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
7	Multienzyme Cascades Based on Highly Efficient Metal-Nitrogen-Carbon Nanozymes for Construction of Versatile Bioassays. <i>Analytical Chemistry</i> , 2022, 94, 3485-3493.	3.2	54
8	A fluorescence turn-on biosensor utilizing silicon-containing nanoparticles: Ultra-sensitive sensing for I $\pm$ -glucosidase activity and screening for its potential inhibitors. <i>Biosensors and Bioelectronics</i> , 2022, 214, 114504.	5.3	17
9	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
10	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
11	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
12	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
13	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
14	A pH-regulated stimuli-responsive strategy for RNA-cleaving DNAzyme. <i>Science China Chemistry</i> , 2020, 63, 404-410.	4.2	5
15	Assembly of carrier free-enzymatic nano-reporters for improved ELISA. <i>Analyst</i> , 2020, 145, 6541-6548.	1.7	15
16	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
17	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
18	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

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19	Alkaline Phosphatase-Triggered in Situ Formation of Silicon-Containing Nanoparticles for a Fluorometric and Colorimetric Dual-Channel Immunoassay. <i>Analytical Chemistry</i> , 2020, 92, 4639-4646.	3.2	75
20	Logically Regulating Peroxidase-Like Activity of Gold Nanoclusters for Sensing Phosphate-Containing Metabolites and Alkaline Phosphatase Activity. <i>Analytical Chemistry</i> , 2019, 91, 15017-15024.	3.2	93
21	A duplex connection can further illuminate G-quadruplex/crystal violet complex. <i>Chemical Communications</i> , 2019, 55, 1911-1914.	2.2	17
22	Fluorescence Immunoassay Based on the Alkaline Phosphatase Triggered in Situ Fluorogenic Reaction of 6-Mercapto-1,3,5-Triphenylbenzene and Ascorbic Acid. <i>Analytical Chemistry</i> , 2019, 91, 2978-2984.	3.2	99
23	Fluorometric and Colorimetric Dual-Readout Immunoassay Based on an Alkaline Phosphatase-Triggered Reaction. <i>Analytical Chemistry</i> , 2019, 91, 7828-7834.	3.2	60
24	Prokaryotic Diversity in Mangrove Sediments across Southeastern China Fundamentally Differs from That in Other Biomes. <i>MSystems</i> , 2019, 4, .	1.7	57
25	Alkaline Phosphatase Assay Based on the Chromogenic Interaction of Diethanolamine with 4-Aminophenol. <i>Analytical Chemistry</i> , 2018, 90, 6339-6345.	3.2	62
26	A pH-controlled bidirectionally pure DNA hydrogel: reversible self-assembly and fluorescence monitoring. <i>Chemical Communications</i> , 2018, 54, 4621-4624.	2.2	38
27	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
28	FRET Effect between Fluorescent Polydopamine Nanoparticles and MnO <sub>2</sub> Nanosheets and Its Application for Sensitive Sensing of Alkaline Phosphatase. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 6560-6569.	4.0	175
29	Fluorescence Immunoassay Based on the Phosphate-Triggered Fluorescence Turn-on Detection of Alkaline Phosphatase. <i>Analytical Chemistry</i> , 2018, 90, 3505-3511.	3.2	145
30	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
31	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
32	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
33	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
34	Classical Triplex Molecular Beacons for MicroRNA-21 and Vascular Endothelial Growth Factor Detection. <i>ACS Sensors</i> , 2018, 3, 2438-2445.	4.0	25
35	Polymethyldopa Nanoparticles-Based Fluorescent Sensor for Detection of Tyrosinase Activity. <i>ACS Sensors</i> , 2018, 3, 1855-1862.	4.0	48
36	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

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37	Polydopamine Nanoparticles as Efficient Scavengers for Reactive Oxygen Species in Periodontal Disease. <i>ACS Nano</i> , 2018, 12, 8882-8892.	7.3	401
38	Real-Time Analysis of Binding Events between Different $\text{A}\beta^{2-42}$ Species and Human Lirb2 by Dual Polarization Interferometry. <i>Analytical Chemistry</i> , 2017, 89, 2606-2612.	3.2	21
39	Positive selection and functional divergence of farnesyl pyrophosphate synthase genes in plants. <i>BMC Molecular Biology</i> , 2017, 18, 3.	3.0	10
40	Ultra-Sensitive Colorimetric Assay System Based on the Hybridization Chain Reaction-Triggered Enzyme Cascade Amplification. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 167-175.	4.0	64
41	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
42	Fluorescence Light-Up Biosensor for MicroRNA Based on the Distance-Dependent Photoinduced Electron Transfer. <i>Analytical Chemistry</i> , 2017, 89, 8429-8436.	3.2	79
43	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
44	Evaluation on equality and efficiency of health resources allocation and health services utilization in China. <i>International Journal for Equity in Health</i> , 2017, 16, 127.	1.5	111
45	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
46	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
47	Carbon dots-assisted colorimetric and fluorometric dual-mode protocol for acetylcholinesterase activity and inhibitors screening based on the inner filter effect of silver nanoparticles. <i>Analyst</i> , The, 2016, 141, 3280-3288.	1.7	80
48	Colorimetric Logic Gate for Pyrophosphate and Pyrophosphatase via Regulating the Catalytic Capability of Horseradish Peroxidase. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 29529-29535.	4.0	44
49	Fluorescence Immunoassay System via Enzyme-Enabled in Situ Synthesis of Fluorescent Silicon Nanoparticles. <i>Analytical Chemistry</i> , 2016, 88, 9789-9795.	3.2	98
50	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
51	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
52	Enhanced Catalytic Activities of Surfactant-Assisted Exfoliated $\text{WS}_2$ Nanodots for Hydrogen Evolution. <i>ACS Nano</i> , 2016, 10, 2159-2166.	7.3	269
53	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
54	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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55	Fluorescent and Colorimetric Dual-Readout Assay for Inorganic Pyrophosphatase with Cu <sup>2+</sup> -Triggered Oxidation of <i>o</i> -Phenylenediamine. <i>Analytical Chemistry</i> , 2016, 88, 1355-1361.	3.2	140
56	Gold nanoclusters@Cu <sup>2+</sup> 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
57	Integrated Logic Gate for Fluorescence Turn-on Detection of Histidine and Cysteine Based on Ag/Au Bimetallic Nanoclusters@Cu <sup>2+</sup> Ensemble. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 6860-6866.	4.0	90
58	Synthesis of functionalized fluorescent gold nanoclusters for acid phosphatase sensing. <i>Nanoscale</i> , 2015, 7, 16372-16380.	2.8	64
59	Synthesis of thiolated Ag/Au bimetallic nanoclusters exhibiting an anti-galvanic reduction mechanism and composition-dependent fluorescence. <i>Nanoscale</i> , 2014, 6, 5449.	2.8	109
60	Highly Sensitive Real-Time Assay of Inorganic Pyrophosphatase Activity Based on the Fluorescent Gold Nanoclusters. <i>Analytical Chemistry</i> , 2014, 86, 7883-7889.	3.2	118
61	Fluorescent Au nanoclusters: recent progress and sensing applications. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8000-8011.	2.7	133
62	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
63	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 <sup>3+</sup> and Cr <sup>6+</sup> . <i>Journal of Materials Chemistry C</i> , 2013, 1, 138-143.	2.7	116
64	Facile and rapid synthesis of water-soluble fluorescent gold nanoclusters for sensitive and selective detection of Ag <sup>+</sup> . <i>Journal of Materials Chemistry C</i> , 2013, 1, 908-913.	2.7	78
65	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
66	Direct Evidence of Photoinduced Charge Transfer from Alternating Copolymer to Buckminsterfullerene. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 1824-1828.	1.1	8