

# Hanjun Sun

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

5,077  
citations

257101

24  
h-index

454577

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

7647  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in graphene quantum dots for sensing. <i>Materials Today</i> , 2013, 16, 433-442.	8.3	659
2	Graphene Quantum Dots-Band-Aids Used for Wound Disinfection. <i>ACS Nano</i> , 2014, 8, 6202-6210.	7.3	628
3	Carbon Nanozymes: Enzymatic Properties, Catalytic Mechanism, and Applications. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9224-9237.	7.2	424
4	Antibacterial applications of graphene-based nanomaterials: Recent achievements and challenges. <i>Advanced Drug Delivery Reviews</i> , 2016, 105, 176-189.	6.6	420
5	Deciphering a Nanocarbon-Based Artificial Peroxidase: Chemical Identification of the Catalytically Active and Substrate-Binding Sites on Graphene Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7176-7180.	7.2	380
6	Activation of biologically relevant levels of reactive oxygen species by Au/g-C <sub>3</sub> N <sub>4</sub> hybrid nanozyme for bacteria killing and wound disinfection. <i>Biomaterials</i> , 2017, 113, 145-157.	5.7	318
7	Ag Nanoparticle-decorated graphene quantum dots for label-free, rapid and sensitive detection of Ag <sup>+</sup> and biothiols. <i>Chemical Communications</i> , 2013, 49, 1079.	2.2	227
8	Improvement of Photoluminescence of Graphene Quantum Dots with a Biocompatible Photochemical Reduction Pathway and Its Bioimaging Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 1174-1179.	4.0	224
9	Highly Photoluminescent Amino-Functionalized Graphene Quantum Dots Used for Sensing Copper Ions. <i>Chemistry - A European Journal</i> , 2013, 19, 13362-13368.	1.7	211
10	Transition-metal-substituted polyoxometalate derivatives as functional anti-amyloid agents for Alzheimer's disease. <i>Nature Communications</i> , 2014, 5, 3422.	5.8	204
11	Programmed Bacteria Death Induced by Carbon Dots with Different Surface Charge. <i>Small</i> , 2016, 12, 4713-4718.	5.2	202
12	Visible-light-driven enhanced antibacterial and biofilm elimination activity of graphitic carbon nitride by embedded Ag nanoparticles. <i>Nano Research</i> , 2015, 8, 1648-1658.	5.8	179
13	Carbon Nanomaterials and DNA: from Molecular Recognition to Applications. <i>Accounts of Chemical Research</i> , 2016, 49, 461-470.	7.6	132
14	Gold-Nanoparticle-Based Multifunctional Amyloid- $\beta$ Inhibitor against Alzheimer's Disease. <i>Chemistry - A European Journal</i> , 2015, 21, 829-835.	1.7	127
15	Synthesis of Fluorinated and Nonfluorinated Graphene Quantum Dots through a New Top-Down Strategy for Long-Time Cellular Imaging. <i>Chemistry - A European Journal</i> , 2015, 21, 3791-3797.	1.7	99
16	Polyoxometalate-based nanozyme: Design of a multifunctional enzyme for multi-faceted treatment of Alzheimer's disease. <i>Nano Research</i> , 2016, 9, 1079-1090.	5.8	96
17	Mesoporous Encapsulated Chiral Nanogold for Use in Enantioselective Reactions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16791-16795.	7.2	91
18	How functional groups influence the ROS generation and cytotoxicity of graphene quantum dots. <i>Chemical Communications</i> , 2017, 53, 10588-10591.	2.2	73

#	ARTICLE	IF	CITATIONS
19	Pt and Au bimetallic and monometallic nanostructured amperometric sensors for direct detection of hydrogen peroxide: Influences of bimetallic effect and silica support. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1325-1334.	4.0	65
20	Polyoxometalate-based Rewritable Paper. <i>Chemistry of Materials</i> , 2015, 27, 7573-7576.	3.2	61
21	Preparation of highly dispersed palladium-phosphorus nanoparticles and its electrocatalytic performance for formic acid electrooxidation. <i>Electrochimica Acta</i> , 2012, 59, 279-283.	2.6	54
22	Hydrogen-producing hyperthermophilic bacteria synthesized size-controllable fine gold nanoparticles with excellence for eradicating biofilm and antibacterial applications. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4602-4609.	2.9	41
23	Deciphering a Nanocarbon-Based Artificial Peroxidase: Chemical Identification of the Catalytically Active and Substrate-Binding Sites on Graphene Quantum Dots. <i>Angewandte Chemie</i> , 2015, 127, 7282-7286.	1.6	39
24	Plasmonic Nanozymes: Localized Surface Plasmonic Resonance Regulates Reaction Kinetics and Antibacterial Performance. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 312-323.	2.1	31
25	Ligand-Exchange-Mediated Fabrication of Gold Aerogels Containing Different Au(I) Content with Peroxidase-like Behavior. <i>Chemistry of Materials</i> , 2019, 31, 10094-10099.	3.2	26
26	Kohlenstoff-Nanozyme: Enzymatische Eigenschaften, Katalysemechanismen und Anwendungen. <i>Angewandte Chemie</i> , 2018, 130, 9366-9379.	1.6	21
27	Ethanol electrooxidation on carbon-supported Pt nanoparticles catalyst prepared using complexing self-reduction method. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 7265-7274.	3.8	18
28	Mesoporous Encapsulated Chiral Nanogold for Use in Enantioselective Reactions. <i>Angewandte Chemie</i> , 2018, 130, 17033-17037.	1.6	14
29	Recent advances in phosphorus containing noble metal electrocatalysts for direct liquid fuel cells. <i>Nanoscale</i> , 2021, 13, 16052-16069.	2.8	10
30	Carbon-based Nanozymes. <i>Nanostructure Science and Technology</i> , 2020, , 171-193.	0.1	3