

Hanjun Sun

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

3,922
citations

23
h-index

30
g-index

30
ext. papers

4,499
ext. citations

9.9
avg, IF

5.78
L-index

#	Paper	IF	Citations
30	Recent advances in graphene quantum dots for sensing. <i>Materials Today</i> , 2013 , 16, 433-442	21.8	552
29	Graphene quantum dots-band-aids used for wound disinfection. <i>ACS Nano</i> , 2014 , 8, 6202-10	16.7	485
28	Antibacterial applications of graphene-based nanomaterials: Recent achievements and challenges. <i>Advanced Drug Delivery Reviews</i> , 2016 , 105, 176-189	18.5	314
27	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, 7176-80	16.4	274
26	Carbon Nanozymes: Enzymatic Properties, Catalytic Mechanism, and Applications. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9224-9237	16.4	274
25	Activation of biologically relevant levels of reactive oxygen species by Au/g-CN hybrid nanozyme for bacteria killing and wound disinfection. <i>Biomaterials</i> , 2017 , 113, 145-157	15.6	234
24	Ag nanoparticle-decorated graphene quantum dots for label-free, rapid and sensitive detection of Ag ⁺ and biothiols. <i>Chemical Communications</i> , 2013 , 49, 1079-81	5.8	211
23	Improvement of photoluminescence of graphene quantum dots with a biocompatible photochemical reduction pathway and its bioimaging application. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 1174-9	9.5	202
22	Highly photoluminescent amino-functionalized graphene quantum dots used for sensing copper ions. <i>Chemistry - A European Journal</i> , 2013 , 19, 13362-8	4.8	187
21	Transition-metal-substituted polyoxometalate derivatives as functional anti-amyloid agents for Alzheimer's disease. <i>Nature Communications</i> , 2014 , 5, 3422	17.4	160
20	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	10	155
19	Programmed Bacteria Death Induced by Carbon Dots with Different Surface Charge. <i>Small</i> , 2016 , 12, 4713-8	11	126
18	Carbon Nanomaterials and DNA: from Molecular Recognition to Applications. <i>Accounts of Chemical Research</i> , 2016 , 49, 461-70	24.3	113
17	Gold-nanoparticle-based multifunctional amyloid- β inhibitor against Alzheimer's disease. <i>Chemistry - A European Journal</i> , 2015 , 21, 829-35	4.8	93
16	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, 3791-7	4.8	88
15	Polyoxometalate-based nanozyme: Design of a multifunctional enzyme for multi-faceted treatment of Alzheimer's disease. <i>Nano Research</i> , 2016 , 9, 1079-1090	10	66
14	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	8.5	60

13	How functional groups influence the ROS generation and cytotoxicity of graphene quantum dots. <i>Chemical Communications</i> , 2017 , 53, 10588-10591	5.8	54
12	Mesoporous Encapsulated Chiral Nanogold for Use in Enantioselective Reactions. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16791-16795	16.4	54
11	Polyoxometalate-based Rewritable Paper. <i>Chemistry of Materials</i> , 2015 , 27, 7573-7576	9.6	52
10	Preparation of highly dispersed palladium-phosphorus nanoparticles and its electrocatalytic performance for formic acid electrooxidation. <i>Electrochimica Acta</i> , 2012 , 59, 279-283	6.7	50
9	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	3.6	32
8	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	7.3	26
7	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	9.6	17
6	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	6.7	15
5	Kohlenstoff-Nanozyme: Enzymatische Eigenschaften, Katalysemechanismen und Anwendungen. <i>Angewandte Chemie</i> , 2018 , 130, 9366-9379	3.6	11
4	Mesoporous Encapsulated Chiral Nanogold for Use in Enantioselective Reactions. <i>Angewandte Chemie</i> , 2018 , 130, 17033-17037	3.6	7
3	Plasmonic Nanozymes: Localized Surface Plasmonic Resonance Regulates Reaction Kinetics and Antibacterial Performance.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 312-323	6.4	4
2	Recent advances in phosphorus containing noble metal electrocatalysts for direct liquid fuel cells. <i>Nanoscale</i> , 2021 , 13, 16052-16069	7.7	4
1	Carbon-based Nanozymes. <i>Nanostructure Science and Technology</i> , 2020 , 171-193	0.9	2