Zhicheng Jin

List of Publications by Year
in descending order

35 papers	934 citations	516710 16 h-index	454955 30 g-index
35 all docs	35 docs citations	35 times ranked	1122 citing authors

#	Article	IF	Citations
1	Palladium nanoparticles immobilized on coreâ€“shell magnetic fibers as a highly efficient and recyclable heterogeneous catalyst for the reduction of 4-nitrophenol and Suzuki coupling reactions. Journal of Materials Chemistry A, 2014, 2, 19696-19706.	10.3	146
2	Enhanced Stabilization and Easy Phase Transfer of CsPbBr₃ Perovskite Quantum Dots Promoted by High-Affinity Polyzwitterionic Ligands. Journal of the American Chemical Society, 2020, 142, 12669-12680.	13.7	109
3	Hydrodechlorination and further hydrogenation of 4-chlorophenol to cyclohexanone in water over Pd nanoparticles modified N-doped mesoporous carbon microspheres. Chemical Engineering Journal, 2015, 270, 215-222.	12.7	64
4	A Chargeâ€Switchable Zwitterionic Peptide for Rapid Detection of SARSâ€CoVâ€2 Main Protease. Angewandte Chemie - International Edition, 2022, 61, .	13.8	54
5	Suzukiâ€“Miyaura cross-coupling reactions catalyzed by efficient and recyclable Fe3O4@SiO2@mSiO2â€“Pd(II) catalyst. Catalysis Communications, 2014, 53, 47-52.	3.3	50
6	Modification of Poly(maleic anhydride)-Based Polymers with H₂Nâ€“R Nucleophiles: Addition or Substitution Reaction?. Bioconjugate Chemistry, 2019, 30, 871-880.	3.6	45
7	Competition of Charge and Energy Transfer Processes in Donorâ€“Acceptor Fluorescence Pairs: Calibrating the Spectroscopic Ruler. ACS Nano, 2018, 12, 5657-5665.	14.6	38
8	A Dualâ€Color Fluorescent Probe Allows Simultaneous Imaging of Main and Papainâ€like Proteases of SARSâ€CoVâ€2â€Infected Cells for Accurate Detection and Rapid Inhibitor Screening. Angewandte Chemie - International Edition, 2022, 61, .	13.8	29
9	A Versatile Coordinating Ligand for Coating Semiconductor, Metal, and Metal Oxide Nanocrystals. Chemistry of Materials, 2018, 30, 7269-7279.	6.7	26
10	Delayed Photoluminescence in Metal-Conjugated Fluorophores. Journal of the American Chemical Society, 2019, 141, 11286-11297.	13.7	26
11	Rapid Photoligation of Gold Nanocolloids with Lipoic Acid-Based Ligands. Chemistry of Materials, 2020, 32, 7469-7483.	6.7	26
12	Luminescent Quantum Dots Stabilized by N-Heterocyclic Carbene Polymer Ligands. Journal of the American Chemical Society, 2021, 143, 1873-1884.	13.7	26
13	Characterizing the Brownian Diffusion of Nanocolloids and Molecular Solutions: Diffusion-Ordered NMR Spectroscopy vs Dynamic Light Scattering. Journal of Physical Chemistry B, 2020, 124, 4631-4650.	2.6	25
14	Peptide-Induced Fractal Assembly of Silver Nanoparticles for Visual Detection of Disease Biomarkers. ACS Nano, 2022, 16, 6165-6175.	14.6	25
15	N-Heterocyclic Carbene-Stabilized Gold Nanoparticles: Mono- Versus Multidentate Ligands. Chemistry of Materials, 2021, 33, 921-933.	6.7	24
16	One-Step Supramolecular Multifunctional Coating on Plant Virus Nanoparticles for Bioimaging and Therapeutic Applications. ACS Applied Materials & Interfaces, 2022, 14, 13692-13702.	8.0	21
17	Ultrasmall gold nanorod-polydopamine hybrids for enhanced photoacoustic imaging and photothermal therapy in second near-infrared window. Nanotheranostics, 2022, 6, 79-90.	5.2	19
18	Enhanced Photoacoustic Detection of Heparin in Whole Blood via Melanin Nanocapsules Carrying Molecular Agents. ACS Nano, 2022, 16, 683-693.	14.6	19

#	Article	IF	Citations
19	Mapping Aerosolized Saliva on Face Coverings for Biosensing Applications. Analytical Chemistry, 2021, 93, 11025-11032.	6.5	18
20	The Application of Organic Nanomaterials for Bioimaging, Drug Delivery, and Therapy: Spanning Various Domains. IEEE Nanotechnology Magazine, 2021, 15, 8-28.	1.3	16
21	Peptidic Sulfhydryl for Interfacing Nanocrystals and Subsequent Sensing of SARS-CoV-2 Protease. Chemistry of Materials, 2022, 34, 1259-1268.	6.7	16
22	Photochemical transformation of lipoic acid-based ligands: probing the effects of solvent, ligand structure, oxygen and pH. Physical Chemistry Chemical Physics, 2018, 20, 3895-3902.	2.8	15
23	The dualâ€"function of lipoic acid groups as surface anchors and sulfhydryl reactive sites on polymerâ€"stabilized QDs and Au nanocolloids. Journal of Chemical Physics, 2019, 151, 164703.	3.0	15
24	Modulation of Gold Nanorod Growth via the Proteolysis of Dithiol Peptides for Enzymatic Biomarker Detection. ACS Applied Materials & Interfaces, 2021, 13, 45236-45243.	8.0	15
25	Versatile Polymer Nanocapsules via Redox Competition. Angewandte Chemie - International Edition, 2021, 60, 26357-26362.	13.8	15
26	Highly fluorescent hybrid Au/Ag nanoclusters stabilized with poly(ethylene glycol)- and zwitterion-modified thiolate ligands. Physical Chemistry Chemical Physics, 2019, 21, 21317-21328.	2.8	14
27	A study of plasmon-driven catalytic 4-NBT to DMAB in the dry film by using spatial Raman mapping spectroscopy. Nano Research, 2022, 15, 6062-6066.	10.4	11
28	A fiber optic photoacoustic sensor for real-time heparin monitoring. Biosensors and Bioelectronics, 2022, 196, 113692.	10.1	9
29	A Dualâ€Color Fluorescent Probe Allows Simultaneous Imaging of Main and Papainâ€like Proteases of SARSâ€CoVâ€2â€Infected Cells for Accurate Detection and Rapid Inhibitor Screening. Angewandte Chemie, 2022, 134, .	2.0	6
30	Hyperbranched Molecularly Imprinted Photoactive Polymers and Its Detection of Tetracycline Antibiotics. ACS Applied Polymer Materials, 2022, 4, 1234-1242.	4.4	5
31	Versatile Polymer Nanocapsules via Redox Competition. Angewandte Chemie, 0, , .	2.0	4
32	Lipoic acid as anchoring groups and reactive sites on nanoparticles coated with multi-coordinating polymers. , 2020, , .		1
33	A Chargeâ€Switchable Zwitterionic Peptide for Rapid Detection of SARSâ€CoVâ€2 Main Protease. Angewandte Chemie, 2022, 134, .	2.0	1
34	N-Heterocyclic carbene-stabilized gold nanoparticles and luminescent quantum dots. , 2022, , .		1
35	N-Heterocyclic Carbene-stabilized QDs and Gold Nanoparticles: Effects of the Ligand Coordination. , 0, , .		0