Ran Cui

List of Publications by Year
in descending order

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35 papers	2,717 citations	331670 21 h-index	361022 35 g-index
35 all docs	35 docs citations	35 times ranked	3418 citing authors

#	Article	IF	Citations
1	Enzyme-Free Autocatalysis-Driven Feedback DNA Circuits for Amplified Aptasensing of Living Cells. ACS Applied Materials & Interfaces, 2022, 14, 5080-5089.	8.0	19
2	Data-informed discovery of hydrolytic nanozymes. Nature Communications, 2022, 13, 827.	12.8	73
3	Cu-Doped black phosphorus quantum dots as multifunctional Fenton nanocatalyst for boosting synergistically enhanced H₂O₂-guided and photothermal chemodynamic cancer therapy. Nanoscale, 2022, 14, 3788-3800.	5.6	17
4	Thiolate Etching Route for the Ripening of Uniform Ag₂Te Quantum Dots Emitting in the Second Near-Infrared Window: Implication for Noninvasive In Vivo Imaging. ACS Applied Nano Materials, 2022, 5, 3415-3421.	5.0	6
5	Ultrasmall MnSe Nanoparticles as T₁-MRI Contrast Agents for In Vivo Tumor Imaging. ACS Applied Materials & Interfaces, 2022, 14, 11167-11176.	8.0	9
6	Enhanced delivery of theranostic liposomes through NO-mediated tumor microenvironment remodeling. Nanoscale, 2022, 14, 7473-7479.	5.6	3
7	An Ultraâ€Stable, Oxygenâ€Supply Nanoprobe Emitting in Nearâ€Infraredâ€II Window to Guide and Enhance Radiotherapy by Promoting Antiâ€Tumor Immunity. Advanced Healthcare Materials, 2021, 10, e2100090.	7.6	27
8	Theranostic near-infrared-IIb emitting nanoprobes for promoting immunogenic radiotherapy and abscopal effects against cancer metastasis. Nature Communications, 2021, 12, 7149.	12.8	63
9	Noninvasive In Vivo Imaging in the Second Near-Infrared Window by Inorganic Nanoparticle-Based Fluorescent Probes. Analytical Chemistry, 2020, 92, 535-542.	6.5	48
10	Near-infrared-IIb probe affords ultrahigh contrast inflammation imaging. RSC Advances, 2020, 10, 33602-33607.	3.6	3
11	Zn-doping enhances the photoluminescence and stability of PbS quantum dots for in vivo high-resolution imaging in the NIR-II window. Nano Research, 2020, 13, 2239-2245.	10.4	33
12	Designer cell-self-implemented labeling of microvesicles in situ with the intracellular-synthesized quantum dots. Science China Chemistry, 2020, 63, 448-453.	8.2	10
13	Near-Infrared IIb Emitting Nanoprobe for High-Resolution Real-Time Imaging-Guided Photothermal Therapy Triggering Enhanced Anti-tumor Immunity. ACS Applied Bio Materials, 2020, 3, 1636-1645.	4.6	18
14	Glucose-functionalized near-infrared Ag₂Se quantum dots with renal excretion ability for long-term in vivo tumor imaging. Journal of Materials Chemistry B, 2019, 7, 5782-5788.	5.8	30
15	Molecular Targeting Nanoprobes with Non-Overlap Emission in the Second Near-Infrared Window for in Vivo Two-Color Colocalization of Immune Cells. ACS Nano, 2019, 13, 12830-12839.	14.6	44
16	Ultrasmall Quantum Dots with Broadâ€Spectrum Metal Doping Ability for Trimodal Molecular Imaging. Advanced Functional Materials, 2019, 29, 1901671.	14.9	16
17	Precise nanomedicine for intelligent therapy of cancer. Science China Chemistry, 2018, 61, 1503-1552.	8.2	336
18	Bright quantum dots emitting at â¼1,600 nm in the NIR-IIb window for deep tissue fluorescence imaging. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6590-6595.	7.1	310

#	Article	IF	Citations
19	Boosting the down-shifting luminescence of rare-earth nanocrystals for biological imaging beyond 1500â€‰nm. Nature Communications, 2017, 8, 737.	12.8	416
20	Revealing the biodistribution and clearance of Ag₂Se near-infrared quantum dots in mice. New Journal of Chemistry, 2017, 41, 12721-12725.	2.8	18
21	Fluorescence Detection of H5N1 Virus Gene Sequences Based on Optical Tweezers with Two-Photon Excitation Using a Single Near Infrared Nanosecond Pulse Laser. Analytical Chemistry, 2016, 88, 4432-4439.	6.5	23
22	Dual-component gene detection for H7N9 virus â€“ The combination of optical trapping and bead-based fluorescence assay. Biosensors and Bioelectronics, 2016, 86, 1031-1037.	10.1	13
23	Ultrasmall Magnetically Engineered Ag₂Se Quantum Dots for Instant Efficient Labeling and Whole-Body High-Resolution Multimodal Real-Time Tracking of Cell-Derived Microvesicles. Journal of the American Chemical Society, 2016, 138, 1893-1903.	13.7	143
24	Harnessing Intracellular Biochemical Pathways for In Vitro Synthesis of Designer Tellurium Nanorods. Small, 2015, 11, 5416-5422.	10.0	19
25	Quantum dot-based multiplexed imaging in malignant ascites: a new model for malignant ascites classification. International Journal of Nanomedicine, 2015, 10, 1759.	6.7	9
26	Uniform Fluorescent Nanobioprobes for Pathogen Detection. ACS Nano, 2014, 8, 5116-5124.	14.6	120
27	Cytotoxicity of nucleus-targeting fluorescent gold nanoclusters. Nanoscale, 2014, 6, 13126-13134.	5.6	34
28	Mechanism-Oriented Controllability of Intracellular Quantum Dots Formation: The Role of Glutathione Metabolic Pathway. ACS Nano, 2013, 7, 2240-2248.	14.6	96
29	Controllable synthesis of PbSe nanocubes in aqueous phase using a quasi-biosystem. Journal of Materials Chemistry, 2012, 22, 3713.	6.7	34
30	Ultrasmall Near-Infrared Ag₂Se Quantum Dots with Tunable Fluorescence for in Vivo Imaging. Journal of the American Chemical Society, 2012, 134, 79-82.	13.7	313
31	Near-Infrared Electrogenerated Chemiluminescence of Ultrasmall Ag₂Se Quantum Dots for the Detection of Dopamine. Analytical Chemistry, 2012, 84, 8932-8935.	6.5	162
32	Synthesis of sub-5 nm Auâ€“Ag alloy nanoparticles using bio-reducing agent in aqueous solution. Journal of Materials Chemistry, 2011, 21, 17080.	6.7	32
33	Kineticsâ€Controlled Formation of Gold Clusters Using a Quasiâ€Biological System. Advanced Functional Materials, 2010, 20, 3673-3677.	14.9	22
34	Intermediate-dominated controllable biomimetic synthesis of gold nanoparticles in a quasi-biological system. Nanoscale, 2010, 2, 2120.	5.6	20
35	Living Yeast Cells as a Controllable Biosynthesizer for Fluorescent Quantum Dots. Advanced Functional Materials, 2009, 19, 2359-2364.	14.9	178