

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
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35
all docs

35
docs citations

35
times ranked

3418
citing authors

#	ARTICLE	IF	CITATIONS
1	Boosting the down-shifting luminescence of rare-earth nanocrystals for biological imaging beyond 1500 nm. <i>Nature Communications</i> , 2017, 8, 737.	12.8	416
2	Precise nanomedicine for intelligent therapy of cancer. <i>Science China Chemistry</i> , 2018, 61, 1503-1552.	8.2	336
3	Ultrasmall Near-Infrared Ag ₂ Se Quantum Dots with Tunable Fluorescence for <i>In Vivo</i> Imaging. <i>Journal of the American Chemical Society</i> , 2012, 134, 79-82.	13.7	313
4	Bright quantum dots emitting at $\approx 1,600$ nm in the NIR-IIb window for deep tissue fluorescence imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6590-6595.	7.1	310
5	Living Yeast Cells as a Controllable Biosynthesizer for Fluorescent Quantum Dots. <i>Advanced Functional Materials</i> , 2009, 19, 2359-2364.	14.9	178
6	Near-Infrared Electrogenerated Chemiluminescence of Ultrasmall Ag ₂ Se Quantum Dots for the Detection of Dopamine. <i>Analytical Chemistry</i> , 2012, 84, 8932-8935.	6.5	162
7	Ultrasmall Magnetically Engineered Ag ₂ Se Quantum Dots for Instant Efficient Labeling and Whole-Body High-Resolution Multimodal Real-Time Tracking of Cell-Derived Microvesicles. <i>Journal of the American Chemical Society</i> , 2016, 138, 1893-1903.	13.7	143
8	Uniform Fluorescent Nanobioprobes for Pathogen Detection. <i>ACS Nano</i> , 2014, 8, 5116-5124.	14.6	120
9	Mechanism-Oriented Controllability of Intracellular Quantum Dots Formation: The Role of Glutathione Metabolic Pathway. <i>ACS Nano</i> , 2013, 7, 2240-2248.	14.6	96
10	Data-informed discovery of hydrolytic nanozymes. <i>Nature Communications</i> , 2022, 13, 827.	12.8	73
11	Theranostic near-infrared-IIb emitting nanoprobes for promoting immunogenic radiotherapy and abscopal effects against cancer metastasis. <i>Nature Communications</i> , 2021, 12, 7149.	12.8	63
12	Noninvasive <i>In Vivo</i> Imaging in the Second Near-Infrared Window by Inorganic Nanoparticle-Based Fluorescent Probes. <i>Analytical Chemistry</i> , 2020, 92, 535-542.	6.5	48
13	Molecular Targeting Nanoprobes with Non-Overlap Emission in the Second Near-Infrared Window for <i>In Vivo</i> Two-Color Colocalization of Immune Cells. <i>ACS Nano</i> , 2019, 13, 12830-12839.	14.6	44
14	Controllable synthesis of PbSe nanocubes in aqueous phase using a quasi-biosystem. <i>Journal of Materials Chemistry</i> , 2012, 22, 3713.	6.7	34
15	Cytotoxicity of nucleus-targeting fluorescent gold nanoclusters. <i>Nanoscale</i> , 2014, 6, 13126-13134.	5.6	34
16	Zn-doping enhances the photoluminescence and stability of PbS quantum dots for in vivo high-resolution imaging in the NIR-II window. <i>Nano Research</i> , 2020, 13, 2239-2245.	10.4	33
17	Synthesis of sub-5 nm Au@Ag alloy nanoparticles using bio-reducing agent in aqueous solution. <i>Journal of Materials Chemistry</i> , 2011, 21, 17080.	6.7	32
18	Glucose-functionalized near-infrared Ag ₂ Se quantum dots with renal excretion ability for long-term <i>in vivo</i> tumor imaging. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5782-5788.	5.8	30

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19	An Ultra-Stable, Oxygen-Supply Nanoprobe Emitting in Near-Infrared Window to Guide and Enhance Radiotherapy by Promoting Anti-Tumor Immunity. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100090.	7.6	27
20	Fluorescence Detection of H5N1 Virus Gene Sequences Based on Optical Tweezers with Two-Photon Excitation Using a Single Near Infrared Nanosecond Pulse Laser. <i>Analytical Chemistry</i> , 2016, 88, 4432-4439.	6.5	23
21	Kinetics-Controlled Formation of Gold Clusters Using a Quasi-Biological System. <i>Advanced Functional Materials</i> , 2010, 20, 3673-3677.	14.9	22
22	Intermediate-dominated controllable biomimetic synthesis of gold nanoparticles in a quasi-biological system. <i>Nanoscale</i> , 2010, 2, 2120.	5.6	20
23	Harnessing Intracellular Biochemical Pathways for In Vitro Synthesis of Designer Tellurium Nanorods. <i>Small</i> , 2015, 11, 5416-5422.	10.0	19
24	Enzyme-Free Autocatalysis-Driven Feedback DNA Circuits for Amplified Aptasensing of Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 5080-5089.	8.0	19
25	Revealing the biodistribution and clearance of Ag ₂ Se near-infrared quantum dots in mice. <i>New Journal of Chemistry</i> , 2017, 41, 12721-12725.	2.8	18
26	Near-Infrared IIb Emitting Nanoprobe for High-Resolution Real-Time Imaging-Guided Photothermal Therapy Triggering Enhanced Anti-tumor Immunity. <i>ACS Applied Bio Materials</i> , 2020, 3, 1636-1645.	4.6	18
27	Cu-Doped black phosphorus quantum dots as multifunctional Fenton nanocatalyst for boosting synergistically enhanced H ₂ O ₂ -guided and photothermal chemodynamic cancer therapy. <i>Nanoscale</i> , 2022, 14, 3788-3800.	5.6	17
28	Ultrasmall Quantum Dots with Broad-Spectrum Metal Doping Ability for Trimodal Molecular Imaging. <i>Advanced Functional Materials</i> , 2019, 29, 1901671.	14.9	16
29	Dual-component gene detection for H7N9 virus – The combination of optical trapping and bead-based fluorescence assay. <i>Biosensors and Bioelectronics</i> , 2016, 86, 1031-1037.	10.1	13
30	Designer cell-self-implemented labeling of microvesicles in situ with the intracellular-synthesized quantum dots. <i>Science China Chemistry</i> , 2020, 63, 448-453.	8.2	10
31	Quantum dot-based multiplexed imaging in malignant ascites: a new model for malignant ascites classification. <i>International Journal of Nanomedicine</i> , 2015, 10, 1759.	6.7	9
32	Ultrasmall MnSe Nanoparticles as T ₁ -MRI Contrast Agents for In Vivo Tumor Imaging. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11167-11176.	8.0	9
33	Thiolate Etching Route for the Ripening of Uniform Ag ₂ Te Quantum Dots Emitting in the Second Near-Infrared Window: Implication for Noninvasive In Vivo Imaging. <i>ACS Applied Nano Materials</i> , 2022, 5, 3415-3421.	5.0	6
34	Near-infrared-IIb probe affords ultrahigh contrast inflammation imaging. <i>RSC Advances</i> , 2020, 10, 33602-33607.	3.6	3
35	Enhanced delivery of theranostic liposomes through NO-mediated tumor microenvironment remodeling. <i>Nanoscale</i> , 2022, 14, 7473-7479.	5.6	3