

Qian Liu

List of Publications by Year in descending order

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36
papers

5,654
citations

201575

27
h-index

345118

36
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37
all docs

37
docs citations

37
times ranked

6956
citing authors

#	ARTICLE	IF	CITATIONS
1	Upconversion Luminescent Materials: Advances and Applications. <i>Chemical Reviews</i> , 2015, 115, 395-465.	23.0	1,815
2	Sub-10 nm Hexagonal Lanthanide-Doped NaLuF ₄ Upconversion Nanocrystals for Sensitive Bioimaging in Vivo. <i>Journal of the American Chemical Society</i> , 2011, 133, 17122-17125.	6.6	768
3	Blue-Emissive Upconversion Nanoparticles for Low-Power-Excited Bioimaging in Vivo. <i>Journal of the American Chemical Society</i> , 2012, 134, 5390-5397.	6.6	390
4	¹⁸ F-Labeled Magnetic-Upconversion Nanophosphors <i>via</i> Rare-Earth Cation-Assisted Ligand Assembly. <i>ACS Nano</i> , 2011, 5, 3146-3157.	7.3	286
5	A General Strategy for Biocompatible, High-Effective Upconversion Nanocapsules Based on Triplet-Triplet Annihilation. <i>Journal of the American Chemical Society</i> , 2013, 135, 5029-5037.	6.6	261
6	High-Efficiency Upconversion Luminescent Sensing and Bioimaging of Hg(II) by Chromophoric Ruthenium Complex-Assembled Nanophosphors. <i>ACS Nano</i> , 2011, 5, 8040-8048.	7.3	255
7	Upconversion luminescence imaging of cells and small animals. <i>Nature Protocols</i> , 2013, 8, 2033-2044.	5.5	253
8	Single upconversion nanoparticle imaging at sub-10 W cm ⁻² irradiance. <i>Nature Photonics</i> , 2018, 12, 548-553.	15.6	193
9	Multifunctional rare-earth self-assembled nanosystem for tri-modal upconversion luminescence /fluorescence /positron emission tomography imaging. <i>Biomaterials</i> , 2011, 32, 8243-8253.	5.7	146
10	Water-soluble lanthanide upconversion nanophosphors: Synthesis and bioimaging applications in vivo. <i>Coordination Chemistry Reviews</i> , 2014, 273-274, 100-110.	9.5	134
11	Ultraviolet light-mediated drug delivery: Principles, applications, and challenges. <i>Journal of Controlled Release</i> , 2015, 219, 31-42.	4.8	131
12	Efficient Triplet-Triplet Annihilation-Based Upconversion for Nanoparticle Phototargeting. <i>Nano Letters</i> , 2015, 15, 6332-6338.	4.5	101
13	Repeatable and adjustable on-demand sciatic nerve block with phototriggerable liposomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15719-15724.	3.3	97
14	Highly Photostable Near-IR-Excitation Upconversion Nanocapsules Based on Triplet-Triplet Annihilation for in Vivo Bioimaging Application. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9883-9888.	4.0	78
15	Drawing upconversion nanophosphors into water through host-guest interaction. <i>Chemical Communications</i> , 2010, 46, 5551.	2.2	74
16	Upconversion nanoparticles dramatically promote plant growth without toxicity. <i>Nano Research</i> , 2012, 5, 770-782.	5.8	68
17	Phototriggered Drug Delivery Using Inorganic Nanomaterials. <i>Bioconjugate Chemistry</i> , 2017, 28, 98-104.	1.8	54
18	Photoacoustic-Enabled Self-Guidance in Magnetic Hyperthermia Fe@Fe ₃ O ₄ Nanoparticles for Theranostics In Vivo. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701201.	3.9	52

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19	Enhanced Precision of Nanoparticle Phototargeting in Vivo at a Safe Irradiance. <i>Nano Letters</i> , 2016, 16, 4516-4520.	4.5	50
20	An NIR-Photothermally Triggered "Oxygen Bomb" for Hypoxic Tumor Programmed Cascade Therapy. <i>Advanced Materials</i> , 2022, 34, .	11.1	48
21	Lanthanide-based nanocrystals as dual-modal probes for SPECT and X-ray CT imaging. <i>Biomaterials</i> , 2014, 35, 4699-4705.	5.7	45
22	Waste-free Soft Reactive Grinding Synthesis of High-Surface-Area Copper-Manganese Spinel Oxide Catalysts Highly Effective for Methanol Steam Reforming. <i>Catalysis Letters</i> , 2008, 121, 144-150.	1.4	43
23	A Supramolecular Shear-Thinning Anti-Inflammatory Steroid Hydrogel. <i>Advanced Materials</i> , 2016, 28, 6680-6686.	11.1	43
24	One-pot self-assembly of multifunctional mesoporous nanoprobe with magnetic nanoparticles and hydrophobic upconversion nanocrystals. <i>Journal of Materials Chemistry</i> , 2011, 21, 17615.	6.7	37
25	Adenosine Signaling Mediates SUMO-1 Modification of $\text{I}^{\text{B}}\beta$ during Hypoxia and Reoxygenation. <i>Journal of Biological Chemistry</i> , 2009, 284, 13686-13695.	1.6	33
26	Hollow Silica Nanoparticles Penetrate the Peripheral Nerve and Enhance the Nerve Blockade from Tetrodotoxin. <i>Nano Letters</i> , 2018, 18, 32-37.	4.5	29
27	Light-Responsive Luminescent Materials for Information Encryption Against Burst Force Attack. <i>Small</i> , 2021, 17, e2100377.	5.2	28
28	Photoswitchable upconversion nanophosphors for small animal imaging in vivo. <i>RSC Advances</i> , 2014, 4, 15613.	1.7	27
29	Polymer nanoparticles with an embedded phosphorescent osmium(ii) complex for cell imaging. <i>Journal of Materials Chemistry</i> , 2011, 21, 5360.	6.7	26
30	Fluorophore-photochrome co-embedded polymer nanoparticles for photoswitchable fluorescence bioimaging. <i>Nano Research</i> , 2012, 5, 494-503.	5.8	26
31	Enhanced Blue Afterglow through Molecular Fusion for Bio-applications. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	21
32	Significantly Enhanced Afterglow Brightness via Intramolecular Energy Transfer. , 2021, 3, 713-720.		20
33	Ytterbium-Enriched Outmost Shell for Enhanced Upconversion Single Molecule Imaging and Interfacial Triplet Energy Transfer. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	7
34	RGD-Peptide-Modified NaLuF ₄ :Yb,Er Nanocrystals for Upconversion Luminescence-Targeted Tumor Cell Imaging. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5169-5175.	1.0	6
35	Development of an Efficient Process for the Decomposition of the Borate Complexes Formed during the Large-Scale Synthesis of (<i>S</i>)-1,2,4-Butanetriol. <i>Organic Process Research and Development</i> , 2013, 17, 1540-1542.	1.3	4
36	A Formal Synthesis of Camptothecin via a Photocatalytic Decarboxylative Radical Addition. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6024-6027.	1.2	4