

Qian Liu

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.

35
papers

4,645
citations

25
h-index

37
g-index

37
ext. papers

5,157
ext. citations

14
avg, IF

5.68
L-index

#	Paper	IF	Citations
35	Upconversion luminescent materials: advances and applications. <i>Chemical Reviews</i> , 2015 , 115, 395-465	68.1	1422
34	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, 17122-5	16.4	708
33	Blue-emissive upconversion nanoparticles for low-power-excited bioimaging in vivo. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5390-7	16.4	346
32	18F-Labeled magnetic-upconversion nanophosphors via rare-Earth cation-assisted ligand assembly. <i>ACS Nano</i> , 2011 , 5, 3146-57	16.7	270
31	A general strategy for biocompatible, high-effective upconversion nanocapsules based on triplet-triplet annihilation. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5029-37	16.4	240
30	High-efficiency upconversion luminescent sensing and bioimaging of Hg(II) by chromophoric ruthenium complex-assembled nanophosphors. <i>ACS Nano</i> , 2011 , 5, 8040-8	16.7	223
29	Upconversion luminescence imaging of cells and small animals. <i>Nature Protocols</i> , 2013 , 8, 2033-44	18.8	222
28	Multifunctional rare-earth self-assembled nanosystem for tri-modal upconversion luminescence /fluorescence /positron emission tomography imaging. <i>Biomaterials</i> , 2011 , 32, 8243-53	15.6	136
27	Single upconversion nanoparticle imaging at sub-10 W cm irradiance. <i>Nature Photonics</i> , 2018 , 12, 548-553	33.9	116
26	Water-soluble lanthanide upconversion nanophosphors: Synthesis and bioimaging applications in vivo. <i>Coordination Chemistry Reviews</i> , 2014 , 273-274, 100-110	23.2	116
25	Ultraviolet light-mediated drug delivery: Principles, applications, and challenges. <i>Journal of Controlled Release</i> , 2015 , 219, 31-42	11.7	108
24	Efficient Triplet-Triplet Annihilation-Based Upconversion for Nanoparticle Phototargeting. <i>Nano Letters</i> , 2015 , 15, 6332-8	11.5	81
23	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, 15719-24	11.5	74
22	"Drawing" upconversion nanophosphors into water through host-guest interaction. <i>Chemical Communications</i> , 2010 , 46, 5551-3	5.8	70
21	Upconversion nanoparticles dramatically promote plant growth without toxicity. <i>Nano Research</i> , 2012 , 5, 770-782	10	57
20	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	9.5	47
19	Phototriggered Drug Delivery Using Inorganic Nanomaterials. <i>Bioconjugate Chemistry</i> , 2017 , 28, 98-104	6.3	46

18	Enhanced Precision of Nanoparticle Phototargeting in Vivo at a Safe Irradiance. <i>Nano Letters</i> , 2016 , 16, 4516-20	11.5	42
17	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	10.1	39
16	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	2.8	38
15	Lanthanide-based nanocrystals as dual-modal probes for SPECT and X-ray CT imaging. <i>Biomaterials</i> , 2014 , 35, 4699-705	15.6	36
14	One-pot self-assembly of multifunctional mesoporous nanoprobe with magnetic nanoparticles and hydrophobic upconversion nanocrystals. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17615		33
13	A Supramolecular Shear-Thinning Anti-Inflammatory Steroid Hydrogel. <i>Advanced Materials</i> , 2016 , 28, 6680-6	24	30
12	Adenosine signaling mediates SUMO-1 modification of IkappaBalpha during hypoxia and reoxygenation. <i>Journal of Biological Chemistry</i> , 2009 , 284, 13686-13695	5.4	29
11	Fluorophore-photochrome co-embedded polymer nanoparticles for photoswitchable fluorescence bioimaging. <i>Nano Research</i> , 2012 , 5, 494-503	10	25
10	Polymer nanoparticles with an embedded phosphorescent osmium(II) complex for cell imaging. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5360		25
9	Photoswitchable upconversion nanophosphors for small animal imaging in vivo. <i>RSC Advances</i> , 2014 , 4, 15613	3.7	24
8	Hollow Silica Nanoparticles Penetrate the Peripheral Nerve and Enhance the Nerve Blockade from Tetrodotoxin. <i>Nano Letters</i> , 2018 , 18, 32-37	11.5	20
7	Light-Responsive Luminescent Materials for Information Encryption Against Burst Force Attack. <i>Small</i> , 2021 , 17, e2100377	11	6
6	Significantly Enhanced Afterglow Brightness via Intramolecular Energy Transfer 2021 , 3, 713-720		4
5	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	2.3	3
4	NIR-II photothermally triggered oxygen bomb for hypoxic tumor programmed cascade therapy. <i>Advanced Materials</i> , 2020 , 32, 201978	24	3
3	A Formal Synthesis of Camptothecin via a Photocatalytic Decarboxylative Radical Addition. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 6024-6027	3.2	2
2	Development of an Efficient Process for the Decomposition of the Borate Complexes Formed during the Large-Scale Synthesis of (S)-1,2,4-Butanetriol. <i>Organic Process Research and Development</i> , 2013 , 17, 1540-1542	3.9	1
1	Ytterbium-Enriched Outmost Shell for Enhanced Upconversion Single Molecule Imaging and Interfacial Triplet Energy Transfer. <i>Advanced Optical Materials</i> , 2017 , 2101763	8.1	

