

Lei Zhou

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.

25
papers

3,220
citations

21
h-index

27
g-index

27
ext. papers

3,642
ext. citations

11
avg, IF

5.3
L-index

#	Paper	IF	Citations
25	Biphase stratification approach to three-dimensional dendritic biodegradable mesoporous silica nanospheres. <i>Nano Letters</i> , 2014 , 14, 923-32	11.5	503
24	Lifetime-engineered NIR-II nanoparticles unlock multiplexed in vivo imaging. <i>Nature Nanotechnology</i> , 2018 , 13, 941-946	28.7	404
23	Anisotropic growth-induced synthesis of dual-compartment Janus mesoporous silica nanoparticles for bimodal triggered drugs delivery. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15086-92	16.4	298
22	Spatially Confined Fabrication of Core-Shell Gold [email[protected]] Silica for Near-Infrared Controlled Photothermal Drug Release. <i>Chemistry of Materials</i> , 2013 , 25, 3030-3037	9.6	276
21	Epitaxial seeded growth of rare-earth nanocrystals with efficient 800 nm near-infrared to 1525 nm short-wavelength infrared downconversion photoluminescence for in vivo bioimaging. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12086-90	16.4	247
20	Single-band upconversion nanoprobe for multiplexed simultaneous in situ molecular mapping of cancer biomarkers. <i>Nature Communications</i> , 2015 , 6, 6938	17.4	241
19	Filtration Shell Mediated Power Density Independent Orthogonal Excitations-Emissions Upconversion Luminescence. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2464-9	16.4	186
18	Nd ³⁺ sensitized up/down converting dual-mode nanomaterials for efficient in-vitro and in-vivo bioimaging excited at 800 nm. <i>Scientific Reports</i> , 2013 , 3, 3536	4.9	171
17	In vivo gastrointestinal drug-release monitoring through second near-infrared window fluorescent bioimaging with orally delivered microcarriers. <i>Nature Communications</i> , 2017 , 8, 14702	17.4	154
16	Anisotropic encapsulation-induced synthesis of asymmetric single-hole mesoporous nanocages. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5903-6	16.4	142
15	Interface tension-induced synthesis of monodispersed mesoporous carbon hemispheres. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2808-11	16.4	98
14	High-Capacity Upconversion Wavelength and Lifetime Binary Encoding for Multiplexed Biodetection. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12824-12829	16.4	89
13	Near-infrared rechargeable "optical battery" implant for irradiation-free photodynamic therapy. <i>Biomaterials</i> , 2018 , 163, 154-162	15.6	62
12	Mesoporous silica-coated plasmonic nanostructures for surface-enhanced Raman scattering detection and photothermal therapy. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1620-8	10.1	61
11	Epitaxial Seeded Growth of Rare-Earth Nanocrystals with Efficient 800 nm Near-Infrared to 1525 nm Short-Wavelength Infrared Downconversion Photoluminescence for In Vivo Bioimaging. <i>Angewandte Chemie</i> , 2014 , 126, 12282-12286	3.6	56
10	Highly biocompatible zwitterionic phospholipids coated upconversion nanoparticles for efficient bioimaging. <i>Analytical Chemistry</i> , 2014 , 86, 9749-57	7.8	50
9	Near-Infrared-Activated Upconversion Nanoprobes for Sensitive Endogenous Zn Detection and Selective On-Demand Photodynamic Therapy. <i>Analytical Chemistry</i> , 2017 , 89, 3492-3500	7.8	36

8	Filtration Shell Mediated Power Density Independent Orthogonal Excitations Emissions Upconversion Luminescence. <i>Angewandte Chemie</i> , 2016 , 128, 2510-2515	3.6	33
7	Structural Characterization of Individual β -Synuclein Oligomers Formed at Different Stages of Protein Aggregation by Atomic Force Microscopy-Infrared Spectroscopy. <i>Analytical Chemistry</i> , 2020 , 92, 6806-6810	7.8	26
6	High-Capacity Upconversion Wavelength and Lifetime Binary Encoding for Multiplexed Biodetection. <i>Angewandte Chemie</i> , 2018 , 130, 13006-13011	3.6	24
5	Facile Peptides Functionalization of Lanthanide-Based Nanocrystals through Phosphorylation Tethering for Efficient in Vivo NIR-to-NIR Bioimaging. <i>Analytical Chemistry</i> , 2016 , 88, 1930-6	7.8	23
4	Intracellular and in Vivo Cyanide Mapping via Surface Plasmon Spectroscopy of Single Au-Ag Nanoboxes. <i>Analytical Chemistry</i> , 2017 , 89, 2583-2591	7.8	16
3	Rare Earth core/shell nanobarcodes for multiplexed trace biodetection. <i>Analytical Chemistry</i> , 2015 , 87, 5745-52	7.8	13
2	Unravelling the Structural Organization of Individual β -Synuclein Oligomers Grown in the Presence of Phospholipids. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 4407-4414	6.4	11
1	Innentitelbild: Epitaxial Seeded Growth of Rare-Earth Nanocrystals with Efficient 800 nm Near-Infrared to 1525 nm Short-Wavelength Infrared Downconversion Photoluminescence for In Vivo Bioimaging (Angew. Chem. 45/2014). <i>Angewandte Chemie</i> , 2014 , 126, 12182-12182	3.6	