

# Lei Zhou

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

4,089  
citations

304368

22  
h-index

610482

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

5455  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biphase Stratification Approach to Three-Dimensional Dendritic Biodegradable Mesoporous Silica Nanospheres. <i>Nano Letters</i> , 2014, 14, 923-932.	4.5	639
2	Lifetime-engineered NIR-II nanoparticles unlock multiplexed in vivo imaging. <i>Nature Nanotechnology</i> , 2018, 13, 941-946.	15.6	584
3	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, 15086-15092.	6.6	357
4	Spatially Confined Fabrication of Core-Shell Gold Nanocages@Mesoporous Silica for Near-Infrared Controlled Photothermal Drug Release. <i>Chemistry of Materials</i> , 2013, 25, 3030-3037.	3.2	302
5	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, 12086-12090.	7.2	300
6	Single-band upconversion nanoprobe for multiplexed simultaneous in situ molecular mapping of cancer biomarkers. <i>Nature Communications</i> , 2015, 6, 6938.	5.8	269
7	Filtration Shell Mediated Power Density Independent Orthogonal Excitations-Emissions Upconversion Luminescence. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2464-2469.	7.2	219
8	In vivo gastrointestinal drug-release monitoring through second near-infrared window fluorescent bioimaging with orally delivered microcarriers. <i>Nature Communications</i> , 2017, 8, 14702.	5.8	200
9	Nd <sup>3+</sup> 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.	1.6	188
10	Anisotropic Encapsulation-Induced Synthesis of Asymmetric Single-Hole Mesoporous Nanocages. <i>Journal of the American Chemical Society</i> , 2015, 137, 5903-5906.	6.6	164
11	High-Capacity Upconversion Wavelength and Lifetime Binary Encoding for Multiplexed Biodetection. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12824-12829.	7.2	119
12	Interface Tension-Induced Synthesis of Monodispersed Mesoporous Carbon Hemispheres. <i>Journal of the American Chemical Society</i> , 2015, 137, 2808-2811.	6.6	113
13	High-Capacity Upconversion Wavelength and Lifetime Binary Encoding for Multiplexed Biodetection. <i>Angewandte Chemie</i> , 2018, 130, 13006-13011.	1.6	102
14	Near-infrared rechargeable optical battery-implant for irradiation-free photodynamic therapy. <i>Biomaterials</i> , 2018, 163, 154-162.	5.7	83
15	Structural Characterization of Individual $\alpha$ -Synuclein Oligomers Formed at Different Stages of Protein Aggregation by Atomic Force Microscopy-Infrared Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 6806-6810.	3.2	77
16	Highly Biocompatible Zwitterionic Phospholipids Coated Upconversion Nanoparticles for Efficient Bioimaging. <i>Analytical Chemistry</i> , 2014, 86, 9749-9757.	3.2	66
17	Mesoporous Silica-Coated Plasmonic Nanostructures for Surface-Enhanced Raman Scattering Detection and Photothermal Therapy. <i>Advanced Healthcare Materials</i> , 2014, 3, 1620-1628.	3.9	65
18	Near-Infrared-Activated Upconversion Nanoprobes for Sensitive Endogenous Zn <sup>2+</sup> Detection and Selective On-Demand Photodynamic Therapy. <i>Analytical Chemistry</i> , 2017, 89, 3492-3500.	3.2	43

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19	Unravelling the Structural Organization of Individual $\hat{\pm}$ -Synuclein Oligomers Grown in the Presence of Phospholipids. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4407-4414.	2.1	36
20	Filtration Shell Mediated Power Density Independent Orthogonal Excitationsâ€Emissions Upconversion Luminescence. <i>Angewandte Chemie</i> , 2016, 128, 2510-2515.	1.6	33
21	Facile Peptides Functionalization of Lanthanide-Based Nanocrystals through Phosphorylation Tethering for Efficient <i>in Vivo</i> NIR-to-NIR Bioimaging. <i>Analytical Chemistry</i> , 2016, 88, 1930-1936.	3.2	27
22	Intracellular and <i>in Vivo</i> Cyanide Mapping via Surface Plasmon Spectroscopy of Single Auâ€Ag Nanoboxes. <i>Analytical Chemistry</i> , 2017, 89, 2583-2591.	3.2	20
23	Rare Earth Core/Shell Nanobarcodes for Multiplexed Trace Biodetection. <i>Analytical Chemistry</i> , 2015, 87, 5745-5752.	3.2	19