

# Lei Zhou

## List of Publications by Year in Descending Order

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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	Unravelling the Structural Organization of Individual $\beta$ -Synuclein Oligomers Grown in the Presence of Phospholipids. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 4407-4414	6.4	11
24	Structural Characterization of Individual $\beta$ -Synuclein Oligomers Formed at Different Stages of Protein Aggregation by Atomic Force Microscopy-Infrared Spectroscopy. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 6806-6810	7.8	26
23	Near-infrared rechargeable "optical battery" implant for irradiation-free photodynamic therapy. <i>Biomaterials</i> , <b>2018</b> , 163, 154-162	15.6	62
22	Lifetime-engineered NIR-II nanoparticles unlock multiplexed in vivo imaging. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 941-946	28.7	404
21	High-Capacity Upconversion Wavelength and Lifetime Binary Encoding for Multiplexed Biodetection. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 12824-12829	16.4	89
20	High-Capacity Upconversion Wavelength and Lifetime Binary Encoding for Multiplexed Biodetection. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 13006-13011	3.6	24
19	Intracellular and in Vivo Cyanide Mapping via Surface Plasmon Spectroscopy of Single Au-Ag Nanoboxes. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 2583-2591	7.8	16
18	Near-Infrared-Activated Upconversion Nanoprobes for Sensitive Endogenous Zn Detection and Selective On-Demand Photodynamic Therapy. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 3492-3500	7.8	36
17	In vivo gastrointestinal drug-release monitoring through second near-infrared window fluorescent bioimaging with orally delivered microcarriers. <i>Nature Communications</i> , <b>2017</b> , 8, 14702	17.4	154
16	Filtration Shell Mediated Power Density Independent Orthogonal Excitations-Emissions Upconversion Luminescence. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 2464-9	16.4	186
15	Facile Peptides Functionalization of Lanthanide-Based Nanocrystals through Phosphorylation Tethering for Efficient in Vivo NIR-to-NIR Bioimaging. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 1930-6	7.8	23
14	Filtration Shell Mediated Power Density Independent Orthogonal Excitations-Emissions Upconversion Luminescence. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 2510-2515	3.6	33
13	Anisotropic encapsulation-induced synthesis of asymmetric single-hole mesoporous nanocages. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 5903-6	16.4	142
12	Single-band upconversion nanoprobes for multiplexed simultaneous in situ molecular mapping of cancer biomarkers. <i>Nature Communications</i> , <b>2015</b> , 6, 6938	17.4	241
11	Rare Earth core/shell nanobarcodes for multiplexed trace biodetection. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 5745-52	7.8	13
10	Interface tension-induced synthesis of monodispersed mesoporous carbon hemispheres. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 2808-11	16.4	98
9	Anisotropic growth-induced synthesis of dual-compartment Janus mesoporous silica nanoparticles for bimodal triggered drugs delivery. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 15086-92	16.4	298

8	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> , <b>2014</b> , 53, 12086-90	16.4	247
7	Highly biocompatible zwitterionic phospholipids coated upconversion nanoparticles for efficient bioimaging. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 9749-57	7.8	50
6	Biphase stratification approach to three-dimensional dendritic biodegradable mesoporous silica nanospheres. <i>Nano Letters</i> , <b>2014</b> , 14, 923-32	11.5	503
5	Mesoporous silica-coated plasmonic nanostructures for surface-enhanced Raman scattering detection and photothermal therapy. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 1620-8	10.1	61
4	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> , <b>2014</b> , 126, 12182-12182	3.6	
3	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> , <b>2014</b> , 126, 12282-12286	3.6	56
2	Spatially Confined Fabrication of CoreShell Gold [email[protected]] Silica for Near-Infrared Controlled Photothermal Drug Release. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 3030-3037	9.6	276
1	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> , <b>2013</b> , 3, 3536	4.9	171