

Jian Cui

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

3,529
citations

516710

16
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

6644
citing authors

#	ARTICLE	IF	CITATIONS
1	Compact high-quality CdSe/CdS core-shell nanocrystals with narrow emission linewidths and suppressed blinking. <i>Nature Materials</i> , 2013, 12, 445-451.	27.5	1,168
2	Multistage nanoparticle delivery system for deep penetration into tumor tissue. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2426-2431.	7.1	938
3	Fluorescent Nanorods and Nanospheres for Real-Time In Vivo Probing of Nanoparticle Shape-Dependent Tumor Penetration. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11417-11420.	13.8	399
4	Magneto-fluorescent core-shell supernanoparticles. <i>Nature Communications</i> , 2014, 5, 5093.	12.8	223
5	Evolution of the Single-Nanocrystal Photoluminescence Linewidth with Size and Shell: Implications for Exciton-Phonon Coupling and the Optimization of Spectral Linewidths. <i>Nano Letters</i> , 2016, 16, 289-296.	9.1	133
6	Direct probe of spectral inhomogeneity reveals synthetic tunability of single-nanocrystal spectral linewidths. <i>Nature Chemistry</i> , 2013, 5, 602-606.	13.6	130
7	Quantum dot/antibody conjugates for in vivo cytometric imaging in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1350-1355.	7.1	109
8	Deconstructing the photon stream from single nanocrystals: from binning to correlation. <i>Chemical Society Reviews</i> , 2014, 43, 1287-1310.	38.1	73
9	Direct Patterning of Colloidal Quantum-Dot Thin Films for Enhanced and Spectrally Selective Out-Coupling of Emission. <i>Nano Letters</i> , 2017, 17, 1319-1325.	9.1	68
10	Zinc binding to the HCCH motif of HIV-1 virion infectivity factor induces a conformational change that mediates protein-protein interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18475-18480.	7.1	63
11	A customizable class of colloidal-quantum-dot metallic lasers and amplifiers. <i>Science Advances</i> , 2017, 3, e1700688.	10.3	50
12	Direct Observation of Rapid Discrete Spectral Dynamics in Single Colloidal CdSe-CdS Core-Shell Quantum Dots. <i>Physical Review Letters</i> , 2013, 111, 177401.	7.8	46
13	Observation of Electron Shakeup in CdSe/CdS Core/Shell Nanoplatelets. <i>Nano Letters</i> , 2019, 19, 8495-8502.	9.1	34
14	Extracting Spectral Dynamics from Single Chromophores in Solution. <i>Physical Review Letters</i> , 2010, 105, 053005.	7.8	28
15	Sample-Averaged Biexciton Quantum Yield Measured by Solution-Phase Photon Correlation. <i>Nano Letters</i> , 2014, 14, 6792-6798.	9.1	26
16	Role of Gain in Fabry-Pérot Surface Plasmon Polariton Lasers. <i>ACS Photonics</i> , 0, , .	6.6	7
17	Defect-Tolerant Plasmonic Elliptical Resonators for Long-Range Energy Transfer. <i>ACS Nano</i> , 2019, 13, 9048-9056.	14.6	4
18	Active Mode Switching in Plasmonic Microlasers by Spatial Control of Optical Gain. <i>Nano Letters</i> , 2021, 21, 8952-8959.	9.1	2

#	ARTICLE	IF	CITATIONS
19	Nanophotonic Approach to Study Excited-State Dynamics in Semiconductor Nanocrystals. Journal of Physical Chemistry Letters, 2022, 13, 4145-4151.	4.6	1