

Cheng-Hsin Lu

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.

13
papers

319
citations

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14
ext. papers

455
ext. citations

13.9
avg, IF

3.69
L-index

#	Paper	IF	Citations
13	Doping and ion substitution in colloidal metal halide perovskite nanocrystals. <i>Chemical Society Reviews</i> , 2020 , 49, 4953-5007	58.5	109
12	Wrinkled 2D Materials: A Versatile Platform for Low-Threshold Stretchable Random Lasers. <i>Advanced Materials</i> , 2017 , 29, 1703549	24	64
11	Graphene Sandwich Stable Perovskite Quantum-Dot Light-Emissive Ultrasensitive and Ultrafast Broadband Vertical Phototransistors. <i>ACS Nano</i> , 2019 , 13, 12540-12552	16.7	41
10	Control of morphology, photoluminescence, and stability of colloidal methylammonium lead bromide nanocrystals by oleylamine capping molecules. <i>Journal of Colloid and Interface Science</i> , 2016 , 484, 17-23	9.3	28
9	Unconventional Route to Uniform Hollow Semiconducting Nanoparticles with Tailorable Dimensions, Compositions, Surface Chemistry, and Near-Infrared Absorption. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12946-12951	16.4	26
8	Multicolor Ultralow-Threshold Random Laser Assisted by Vertical-Graphene Network. <i>Advanced Optical Materials</i> , 2018 , 6, 1800382	8.1	25
7	Unconventional Route to Uniform Hollow Semiconducting Nanoparticles with Tailorable Dimensions, Compositions, Surface Chemistry, and Near-Infrared Absorption. <i>Angewandte Chemie</i> , 2017 , 129, 13126-13131	3.6	8
6	Tailoring interfacial carrier dynamics via rationally designed uniform CsPbBr ₃ quantum dots for high-efficiency perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 26098-26108	13	8
5	Pyrolysis-free covalent organic framework-based materials for efficient oxygen electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 20985-21004	13	7
4	Ultrahighly Photosensitive and Highly Stretchable Rippled Structure Photodetectors Based on Perovskite Nanocrystals and Graphene. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 1517-1526	4	3
3	Stable Infrared-Emitting Chemical Composition Gradient Quantum Dots for Down-Convertors and Photodetectors. <i>ACS Applied Nano Materials</i> , 2020 , 3, 11335-11343	5.6	0
2	Innenrücktitelbild: Unconventional Route to Uniform Hollow Semiconducting Nanoparticles with Tailorable Dimensions, Compositions, Surface Chemistry, and Near-Infrared Absorption (Angew. Chem. 42/2017). <i>Angewandte Chemie</i> , 2017 , 129, 13331-13331	3.6	
1	Random Lasers: Multicolor Ultralow-Threshold Random Laser Assisted by Vertical-Graphene Network (Advanced Optical Materials 16/2018). <i>Advanced Optical Materials</i> , 2018 , 6, 1870063	8.1	