

Cheng-Hsin Lu

List of Publications by Year in descending order

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13
papers

595
citations

1040018

9
h-index

1281846

11
g-index

14
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14
docs citations

14
times ranked

1052
citing authors

#	ARTICLE	IF	CITATIONS
1	Doping and ion substitution in colloidal metal halide perovskite nanocrystals. <i>Chemical Society Reviews</i> , 2020, 49, 4953-5007.	38.1	269
2	Wrinkled 2D Materials: A Versatile Platform for Low-Threshold Stretchable Random Lasers. <i>Advanced Materials</i> , 2017, 29, 1703549.	21.0	85
3	Graphene Sandwich Stable Perovskite Quantum-Dot Light-Emissive Ultrasensitive and Ultrafast Broadband Vertical Phototransistors. <i>ACS Nano</i> , 2019, 13, 12540-12552.	14.6	69
4	Multicolor Ultralow-Threshold Random Laser Assisted by Vertical-Graphene Network. <i>Advanced Optical Materials</i> , 2018, 6, 1800382.	7.3	35
5	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.	13.8	34
6	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.	9.4	33
7	Pyrolysis-free covalent organic framework-based materials for efficient oxygen electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20985-21004.	10.3	33
8	Tailoring interfacial carrier dynamics <i>via</i> rationally designed uniform CsPbBr ₃ quantum dots for high-efficiency perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 26098-26108.	10.3	15
9	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	11
10	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.	2.0	8
11	Stable Infrared-Emitting Chemical Composition Gradient Quantum Dots for Down-Convertors and Photodetectors. <i>ACS Applied Nano Materials</i> , 2020, 3, 11335-11343.	5.0	3
12	Innenr¼cktitelbild: Unconventional Route to Uniform Hollow Semiconducting Nanoparticles with Tailorable Dimensions, Compositions, Surface Chemistry, and Near-Infrared Absorption (<i>Angew. Chem.</i>) Tj ETQq0200 rgBT /Overlock 1		
13	Random Lasers: Multicolor Ultralow-Threshold Random Laser Assisted by Vertical-Graphene Network (<i>Advanced Optical Materials</i> 16/2018). <i>Advanced Optical Materials</i> , 2018, 6, 1870063.	7.3	0