Cheng-Hsin Lu

List of Publications by Year in Descending Order

13 papers	319 citations	8 h-index	14 g-index
14 ext. papers	455 ext. citations	13.9 avg, IF	3.69 L-index

#	Paper	IF	Citations
13	Pyrolysis-free covalent organic framework-based materials for efficient oxygen electrocatalysis. *Journal of Materials Chemistry A*, **2021**, 9, 20985-21004	13	7
12	Doping and ion substitution in colloidal metal halide perovskite nanocrystals. *Chemical Society Reviews*, **2020**, 49, 4953-5007	58.5	109
11	Tailoring interfacial carrier dynamics via rationally designed uniform CsPbBrxI3−x quantum dots for high-efficiency perovskite solar cells. *Journal of Materials Chemistry A*, **2020**, 8, 26098-26108	13	8
10	Stable Infrared-Emitting Chemical Composition Gradient Quantum Dots for Down-Convertors and Photodetectors. *ACS Applied Nano Materials*, **2020**, 3, 11335-11343	5.6	0
9	Ultrahighly Photosensitive and Highly Stretchable Rippled Structure Photodetectors Based on Perovskite Nanocrystals and Graphene. *ACS Applied Electronic Materials*, **2019**, 1, 1517-1526	4	3
8	Graphene Sandwich Stable Perovskite Quantum-Dot Light-Emissive Ultrasensitive and Ultrafast Broadband Vertical Phototransistors. *ACS Nano*, **2019**, 13, 12540-12552	16.7	41
7	Random Lasers: Multicolor Ultralow-Threshold Random Laser Assisted by Vertical-Graphene Network (Advanced Optical Materials 16/2018). *Advanced Optical Materials*, **2018**, 6, 1870063	8.1	
6	Multicolor Ultralow-Threshold Random Laser Assisted by Vertical-Graphene Network. *Advanced Optical Materials*, **2018**, 6, 1800382	8.1	25
5	Wrinkled 2D Materials: A Versatile Platform for Low-Threshold Stretchable Random Lasers. *Advanced Materials*, **2017**, 29, 1703549	24	64
4	Innenr□cktitelbild: Unconventional Route to Uniform Hollow Semiconducting Nanoparticles with Tailorable Dimensions, Compositions, Surface Chemistry, and Near-Infrared Absorption (Angew. Chem. 42/2017). *Angewandte Chemie*, **2017**, 129, 13331-13331	3.6	
3	Unconventional Route to Uniform Hollow Semiconducting Nanoparticles with Tailorable Dimensions, Compositions, Surface Chemistry, and Near-Infrared Absorption. *Angewandte Chemie*, **2017**, 129, 13126-13131	3.6	8
2	Unconventional Route to Uniform Hollow Semiconducting Nanoparticles with Tailorable Dimensions, Compositions, Surface Chemistry, and Near-Infrared Absorption. *Angewandte Chemie - International Edition*, **2017**, 56, 12946-12951	16.4	26
1	Control of morphology, photoluminescence, and stability of colloidal methylammonium lead bromide nanocrystals by oleylamine capping molecules. *Journal of Colloid and Interface Science*, **2016**, 484, 17-23	9.3	28