Yu Cao

List of Publications by Year
in descending order

23 papers	5,130 citations	394421 19 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	5806 citing authors

#	Article	IF	Citations
1	Perovskite light-emitting diodes based on spontaneously formed submicrometre-scale structures. Nature, 2018, 562, 249-253.	27.8	1,555
2	Perovskite light-emitting diodes based on solution-processed self-organized multiple quantum wells. Nature Photonics, 2016, 10, 699-704.	31.4	1,535
3	Minimising efficiency roll-off in high-brightness perovskite light-emitting diodes. Nature Communications, 2018, 9, 608.	12.8	322
4	Oriented Quasiâ€2D Perovskites for High Performance Optoelectronic Devices. Advanced Materials, 2018, 30, e1804771.	21.0	268
5	Benzylamineâ€Treated Wideâ€Bandgap Perovskite with High Thermalâ€Photostability and Photovoltaic Performance. Advanced Energy Materials, 2017, 7, 1701048.	19.5	188
6	Unveiling the additive-assisted oriented growth of perovskite crystallite for high performance light-emitting diodes. Nature Communications, 2021, 12, 5081.	12.8	178
7	Efficient Red Perovskite Lightâ€Emitting Diodes Based on Solutionâ€Processed Multiple Quantum Wells. Advanced Materials, 2017, 29, 1606600.	21.0	155
8	Multipleâ€Quantumâ€Well Perovskites for Highâ€Performance Lightâ€Emitting Diodes. Advanced Materials, 2020, 32, e1904163.	21.0	129
9	Stable and bright formamidinium-based perovskite light-emitting diodes with high energy conversion efficiency. Nature Communications, 2019, 10, 3624.	12.8	104
10	Efficient and bright warm-white electroluminescence from lead-free metal halides. Nature Communications, 2021, 12, 1421.	12.8	99
11	Microcavity top-emission perovskite light-emitting diodes. Light: Science and Applications, 2020, 9, 89.	16.6	96
12	Sky-blue perovskite light-emitting diodes based on quasi-two-dimensional layered perovskites. Chinese Chemical Letters, 2017, 28, 29-31.	9.0	94
13	Tin-Based Multiple Quantum Well Perovskites for Light-Emitting Diodes with Improved Stability. Journal of Physical Chemistry Letters, 2019, 10, 453-459.	4.6	72
14	Heterogeneous Photon Recycling and Charge Diffusion Enhance Charge Transport in Quasi-2D Lead-Halide Perovskite Films. Nano Letters, 2019, 19, 3953-3960.	9.1	67
15	Defect Passivation for Red Perovskite Light-Emitting Diodes with Improved Brightness and Stability. Journal of Physical Chemistry Letters, 2019, 10, 380-385.	4.6	55
16	Control of Barrier Width in Perovskite Multiple Quantum Wells for High Performance Green Lightâ€“Emitting Diodes. Advanced Optical Materials, 2019, 7, 1801575.	7.3	55
17	The formation of perovskite multiple quantum well structures for high performance light-emitting diodes. Npj Flexible Electronics, 2018, 2, .	10.7	46
18	Sulfonic Zwitterion for Passivating Deep and Shallow Level Defects in Perovskite Lightâ€Emitting Diodes. Advanced Functional Materials, 2022, 32, .	14.9	37

#	Article	IF	Citations
19	Low Roll-Off and High Stable Electroluminescence in Three-Dimensional FAPbI₃ Perovskites with Bifunctional-Molecule Additives. Nano Letters, 2021, 21, 3738-3744.	9.1	33
20	Inhomogeneous degradation in metal halide perovskites. Applied Physics Letters, 2017, 111, .	3.3	19
21	Perovskite Lightâ€Emitting Diodes with Near Unit Internal Quantum Efficiency at Low Temperatures. Advanced Materials, 2021, 33, e2006302.	21.0	16
22	Efficient charge separation at multiple quantum well perovskite/PCBM interface. Applied Physics Letters, 2018, 113, .	3.3	7
23	10.1063/1.4999630.2. , 2017, , .		0