Lei Cai

List of Publications by Year
in descending order

18	336	840776 11	888059 17
papers	citations	h-index	g-index

18	18	18	415
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highâ€Efficiency Topâ€Emitting Green Perovskite Light Emitting Diode with Quasi Lambertian Emission. Advanced Optical Materials, 2022, 10, 2101137.	7.3	8
2	Revealing a Zinc Oxide/Perovskite Luminescence Quenching Mechanism Targeting Low-Roll-off Light-Emitting Diodes. Journal of Physical Chemistry Letters, 2022, 13, 3121-3129.	4.6	7
3	Selfâ€Healing Perovskite Films Enabled by Fluorinated Crossâ€Linked Network Targeting Flexible Lightâ€Emitting Diode. Advanced Optical Materials, 2022, 10, .	7.3	5
4	Recent Progress on Patterning Strategies for Perovskite Lightâ€Emitting Diodes toward a Fullâ€Color Display Prototype. Small Science, 2021, 1, 2000050.	9.9	39
5	Coffeeâ€Stainâ€Free Perovskite Film for Efficient Printed Lightâ€Emitting Diode. Advanced Optical Materials, 2021, 9, 2100553.	7.3	36
6	Unveiling the critical role of ammonium bromide in blue emissive perovskite films. Nanoscale, 2021, 13, 13497-13505.	5.6	7
7	Solvent effect on the photophysical properties of thermally activated delayed fluorescence molecules. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 225, 117473.	3.9	7
8	Strontium Ion Bâ€Site Substitution for Spectralâ€Stable Blue Emitting Perovskite Lightâ€Emitting Diodes. Advanced Optical Materials, 2020, 8, 2001073.	7.3	28
9	Dual Functionalization of Electron Transport Layer via Tailoring Molecular Structure for High-Performance Perovskite Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2020, 12, 37346-37353.	8.0	17
10	In-situ passivation perovskite targeting efficient light-emitting diodes via spontaneously formed silica network. Nano Energy, 2020, 78, 105134.	16.0	28
11	Thermal-induced interface degradation in perovskite light-emitting diodes. Journal of Materials Chemistry C, 2020, 8, 15079-15085.	5.5	30
12	First-principles study on the singletâ€“triplet energy gap of thermally activated delayed fluorescence molecules. Molecular Crystals and Liquid Crystals, 2019, 690, 84-94.	0.9	0
13	Effect of intermolecular interaction on excited-state properties of thermally activated delayed fluorescence molecules in solid phase: A QM/MM study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 209, 248-255.	3.9	12
14	Excited state dynamics of new-type thermally activated delayed fluorescence emitters: theoretical view of light-emitting mechanism. Molecular Physics, 2018, 116, 19-28.	1.7	34
15	Electroluminescent Mechanism of Thermally Activated Delayed Fluorescence Emitters: Conformational Effect. Journal of Physical Chemistry C, 2018, 122, 19953-19961.	3.1	22
16	Influence of donor and acceptor groups on the S-T energy gap for thermally activated delayed fluorescence emitters. Molecular Physics, 2017, 115, 809-814.	1.7	8
17	Theoretical perspective of the excited state intramolecular proton transfer for a compound with aggregation induced emission in the solid phase. RSC Advances, 2017, 7, 44089-44096.	3.6	18
18	Dynamics of Excited States for Fluorescent Emitters with Hybridized Local and Charge-Transfer Excited State in Solid Phase: A QM/MM Study. Journal of Physical Chemistry A, 2016, 120, 9422-9430.	2.5	30