

Efficient blue light-emitting diodes based on quantum-nanostructures

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Citation Report

#	ARTICLE	IF	CITATIONS
4	Direct Synthesis of Quaternary Alkylammonium-Capped Perovskite Nanocrystals for Efficient Blue and Green Light-Emitting Diodes. ACS Energy Letters, 2019, 4, 2703-2711.	8.8	161
5	Engineering Green-to-Blue Emitting CsPbBr ₃ Quantum-Dot Films with Efficient Ligand Passivation. ACS Energy Letters, 2019, 4, 2731-2738.	8.8	43
6	Picosecond electron trapping limits the emissivity of CsPbCl ₃ perovskite nanocrystals. Journal of Chemical Physics, 2019, 151, 194701.	1.2	26
7	Regulating Vertical Domain Distribution in Ruddlesden-Popper Perovskites for Electroluminescence Devices. Journal of Physical Chemistry Letters, 2019, 10, 7949-7955.	2.1	5
8	Efficient sky-blue perovskite light-emitting diodes via photoluminescence enhancement. Nature Communications, 2019, 10, 5633.	5.8	267
9	Efficient blue perovskite LEDs from quantum confined structures. Science China Chemistry, 2020, 63, 3-4.	4.2	1
10	Rb ₂ CuX ₃ (X = Cl, Br): 1D All-Inorganic Copper Halides with Ultrabright Blue Emission and Up-Conversion Photoluminescence. Advanced Optical Materials, 2020, 8, 1901338.	3.6	86
11	Understanding of carrier dynamics, heterojunction merits and device physics: towards designing efficient carrier transport layer-free perovskite solar cells. Chemical Society Reviews, 2020, 49, 354-381.	18.7	125
12	Mixed-ligand engineering of quasi-2D perovskites for efficient sky-blue light-emitting diodes. Journal of Materials Chemistry C, 2020, 8, 1319-1325.	2.7	39
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14	Homo- and Heterovalent Doping-Mediated Self-Trapped Exciton Emission and Energy Transfer in Mn-Doped Cs ₂ Na _{1-x} Ag _x BiCl ₆ Double Perovskites. Journal of Physical Chemistry Letters, 2020, 11, 340-348.	2.1	104
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17	Synergistic Effect of Dual Ligands on Stable Blue Quasi-2D Perovskite Light-Emitting Diodes. Advanced Functional Materials, 2020, 30, 1908339.	7.8	103
18	Dry Mechanochemical Synthesis of Highly Luminescent, Blue and Green Hybrid Perovskite Solids. Advanced Optical Materials, 2020, 8, 1901494.	3.6	16
19	Physical origins of high photoluminescence quantum yield in FAPbI_3 -CsPbI ₃ nanocrystals and their stability. Applied Surface Science, 2020, 508, 145188.	3.1	13
20	Paper 12: Late-News Poster: Study on the Ideal Structural Change of Perovskite LEDs for Enhanced Performances by Using Different Perovskite Composition. Digest of Technical Papers SID International Symposium, 2020, 51, 1783-1786.	0.1	0
21	Origin of the luminescence spectra width in perovskite nanocrystals with surface passivation. Nanoscale, 2020, 12, 21695-21702.	2.8	16

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25	Dual Functionalization of Electron Transport Layer <i>via</i> Tailoring Molecular Structure for High-Performance Perovskite Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2020, 12, 37346-37353.	4.0	17
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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