Seungjin Lee

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5419428/publications.pdf

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22	1,246	516710 16	713466 21
papers	citations	h-index	g-index

22	22	22	1421
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bipolar-shell resurfacing for blue LEDs based on strongly confined perovskite quantum dots. Nature Nanotechnology, 2020, 15, 668-674.	31.5	541
2	Bright and Stable Light-Emitting Diodes Based on Perovskite Quantum Dots in Perovskite Matrix. Journal of the American Chemical Society, 2021, 143, 15606-15615.	13.7	94
3	Wide-Bandgap Perovskite Quantum Dots in Perovskite Matrix for Sky-Blue Light-Emitting Diodes. Journal of the American Chemical Society, 2022, 144, 4009-4016.	13.7	92
4	A Chemically Orthogonal Hole Transport Layer for Efficient Colloidal Quantum Dot Solar Cells. Advanced Materials, 2020, 32, e1906199.	21.0	59
5	A Tuned Alternating Dâ€“A Copolymer Holeâ€Transport Layer Enables Colloidal Quantum Dot Solar Cells with Superior Fill Factor and Efficiency. Advanced Materials, 2020, 32, e2004985.	21.0	56
6	Orthogonal colloidal quantum dot inks enable efficient multilayer optoelectronic devices. Nature Communications, 2020, 11, 4814.	12.8	48
7	Facetâ€Oriented Coupling Enables Fast and Sensitive Colloidal Quantum Dot Photodetectors. Advanced Materials, 2021, 33, e2101056.	21.0	42
8	Sky-Blue-Emissive Perovskite Light-Emitting Diodes: Crystal Growth and Interfacial Control Using Conjugated Polyelectrolytes as a Hole-Transporting Layer. ACS Nano, 2020, 14, 13246-13255.	14.6	38
9	Ligand Exchange at a Covalent Surface Enables Balanced Stoichiometry in IIIâ€“V Colloidal Quantum Dots. Nano Letters, 2021, 21, 6057-6063.	9.1	34
10	Fast Nearâ€Infrared Photodetection Using IIIâ€“V Colloidal Quantum Dots. Advanced Materials, 2022, 34, .	21.0	34
11	Control Over Ligand Exchange Reactivity in Hole Transport Layer Enables High-Efficiency Colloidal Quantum Dot Solar Cells. ACS Energy Letters, 2021, 6, 468-476.	17.4	32
12	Uniform and Largeâ€Area Cesiumâ€Based Quasiâ€2D Perovskite Lightâ€Emitting Diodes Using Hotâ€Casting Method. Advanced Materials Interfaces, 2020, 7, 1902158.	3.7	25
13	Efficient and Stable Colloidal Quantum Dot Solar Cells with a Greenâ€Solvent Holeâ€Transport Layer. Advanced Energy Materials, 2020, 10, 2002084.	19.5	23
14	Colloidal Quantum Dot Bulk Heterojunction Solids with Nearâ€Unity Charge Extraction Efficiency. Advanced Science, 2020, 7, 2000894.	11.2	22
15	Solution processable small molecules as efficient electron transport layers in organic optoelectronic devices. Journal of Materials Chemistry A, 2020, 8, 13501-13508.	10.3	19
16	Guanidinium-Pseudohalide Perovskite Interfaces Enable Surface Reconstruction of Colloidal Quantum Dots for Efficient and Stable Photovoltaics. ACS Nano, 2022, 16, 1649-1660.	14.6	18
17	Solvent Engineering of Colloidal Quantum Dot Inks for Scalable Fabrication of Photovoltaics. ACS Applied Materials & Interfaces, 2021, 13, 36992-37003.	8.0	17
18	Molecular aggregation method for perovskiteâ€“fullerene bulk heterostructure solar cells. Journal of Materials Chemistry A, 2020, 8, 1326-1334.	10.3	15

#	Article	IF	Citations
19	Colloidal Quantum Dot Solar Cell Band Alignment using Two-Step Ionic Doping. , 2020, 2, 1583-1589.		15
20	Energy Transfer between Size-Controlled CsPbI₃ Quantum Dots for Light-Emitting Diode Application. ACS Applied Materials & Interfaces, 2022, 14, 17691-17697.	8.0	9
21	InP-Quantum-Dot-in-ZnS-Matrix Solids for Thermal and Air Stability. Chemistry of Materials, 2020, 32, 9584-9590.	6.7	8
22	A-Site Cation Engineering for Efficient Blue-Emissive Perovskite Light-Emitting Diodes. Energies, 2020, 13, 6689.	3.1	5