

# Seungjin Lee

## List of Publications by Year in descending order

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

Version: 2024-02-01

22  
papers

1,246  
citations

516710

16  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1421  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guanidinium-Pseudohalide Perovskite Interfaces Enable Surface Reconstruction of Colloidal Quantum Dots for Efficient and Stable Photovoltaics. <i>ACS Nano</i> , 2022, 16, 1649-1660.	14.6	18
2	Wide-Bandgap Perovskite Quantum Dots in Perovskite Matrix for Sky-Blue Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2022, 144, 4009-4016.	13.7	92
3	Energy Transfer between Size-Controlled CsPbI <sub>3</sub> Quantum Dots for Light-Emitting Diode Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 17691-17697.	8.0	9
4	Fast Near-Infrared Photodetection Using III-V Colloidal Quantum Dots. <i>Advanced Materials</i> , 2022, 34, .	21.0	34
5	Solvent Engineering of Colloidal Quantum Dot Inks for Scalable Fabrication of Photovoltaics. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 36992-37003.	8.0	17
6	Facet-Oriented Coupling Enables Fast and Sensitive Colloidal Quantum Dot Photodetectors. <i>Advanced Materials</i> , 2021, 33, e2101056.	21.0	42
7	Ligand Exchange at a Covalent Surface Enables Balanced Stoichiometry in III-V Colloidal Quantum Dots. <i>Nano Letters</i> , 2021, 21, 6057-6063.	9.1	34
8	Bright and Stable Light-Emitting Diodes Based on Perovskite Quantum Dots in Perovskite Matrix. <i>Journal of the American Chemical Society</i> , 2021, 143, 15606-15615.	13.7	94
9	Control Over Ligand Exchange Reactivity in Hole Transport Layer Enables High-Efficiency Colloidal Quantum Dot Solar Cells. <i>ACS Energy Letters</i> , 2021, 6, 468-476.	17.4	32
10	Molecular aggregation method for perovskite-fullerene bulk heterostructure solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1326-1334.	10.3	15
11	A Tuned Alternating D-A Copolymer Hole-Transport Layer Enables Colloidal Quantum Dot Solar Cells with Superior Fill Factor and Efficiency. <i>Advanced Materials</i> , 2020, 32, e2004985.	21.0	56
12	Colloidal Quantum Dot Solar Cell Band Alignment using Two-Step Ionic Doping. , 2020, 2, 1583-1589.		15
13	Efficient and Stable Colloidal Quantum Dot Solar Cells with a Green-Solvent Hole-Transport Layer. <i>Advanced Energy Materials</i> , 2020, 10, 2002084.	19.5	23
14	Orthogonal colloidal quantum dot inks enable efficient multilayer optoelectronic devices. <i>Nature Communications</i> , 2020, 11, 4814.	12.8	48
15	Sky-Blue-Emissive Perovskite Light-Emitting Diodes: Crystal Growth and Interfacial Control Using Conjugated Polyelectrolytes as a Hole-Transporting Layer. <i>ACS Nano</i> , 2020, 14, 13246-13255.	14.6	38
16	A-Site Cation Engineering for Efficient Blue-Emissive Perovskite Light-Emitting Diodes. <i>Energies</i> , 2020, 13, 6689.	3.1	5
17	InP-Quantum-Dot-in-ZnS-Matrix Solids for Thermal and Air Stability. <i>Chemistry of Materials</i> , 2020, 32, 9584-9590.	6.7	8
18	Colloidal Quantum Dot Bulk Heterojunction Solids with Near-Unity Charge Extraction Efficiency. <i>Advanced Science</i> , 2020, 7, 2000894.	11.2	22

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19	A Chemically Orthogonal Hole Transport Layer for Efficient Colloidal Quantum Dot Solar Cells. <i>Advanced Materials</i> , 2020, 32, e1906199.	21.0	59
20	Solution processable small molecules as efficient electron transport layers in organic optoelectronic devices. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13501-13508.	10.3	19
21	Bipolar-shell resurfacing for blue LEDs based on strongly confined perovskite quantum dots. <i>Nature Nanotechnology</i> , 2020, 15, 668-674.	31.5	541
22	Uniform and Large-Area Cesium-Based Quasi-2D Perovskite Light-Emitting Diodes Using Hot-Casting Method. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902158.	3.7	25