

Yunzhou Deng

List of Publications by Year in descending order

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14
papers

2,038
citations

759233

12
h-index

1058476

14
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14
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14
docs citations

14
times ranked

2445
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum-Dot Light-Emitting Diodes for Large-Area Displays: Towards the Dawn of Commercialization. <i>Advanced Materials</i> , 2017, 29, 1607022.	21.0	620
2	Efficient blue light-emitting diodes based on quantum-confined bromide perovskite nanostructures. <i>Nature Photonics</i> , 2019, 13, 760-764.	31.4	483
3	Electrochemically-stable ligands bridge the photoluminescence-electroluminescence gap of quantum dots. <i>Nature Communications</i> , 2020, 11, 937.	12.8	184
4	Solution-processed green and blue quantum-dot light-emitting diodes with eliminated charge leakage. <i>Nature Photonics</i> , 2022, 16, 505-511.	31.4	152
5	High-Performance, Solution-Processed, and Insulating-Layer-Free Light-Emitting Diodes Based on Colloidal Quantum Dots. <i>Advanced Materials</i> , 2018, 30, e1801387.	21.0	151
6	Electrically-driven single-photon sources based on colloidal quantum dots with near-optimal antibunching at room temperature. <i>Nature Communications</i> , 2017, 8, 1132.	12.8	105
7	Deciphering exciton-generation processes in quantum-dot electroluminescence. <i>Nature Communications</i> , 2020, 11, 2309.	12.8	96
8	Shelf-Stable Quantum-Dot Light-Emitting Diodes with High Operational Performance. <i>Advanced Materials</i> , 2020, 32, e2006178.	21.0	68
9	Efficient light-emitting diodes based on oriented perovskite nanoplatelets. <i>Science Advances</i> , 2021, 7, eabg8458.	10.3	68
10	High-Performance Quantum-Dot Light-Emitting Diodes Using NiO _x Hole-Injection Layers with a High and Stable Work Function. <i>Advanced Functional Materials</i> , 2020, 30, 1907265.	14.9	48
11	Design of the Hole-Injection/Hole-Transport Interfaces for Stable Quantum-Dot Light-Emitting Diodes. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4649-4654.	4.6	34
12	Solvent Resistant Hole-Transporting Thin Films via Diacetylene Cross-Linking and Their Applications in Solution-Processed QLEDs. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3274-3281.	4.4	16
13	On the accurate characterization of quantum-dot light-emitting diodes for display applications. <i>Npj Flexible Electronics</i> , 2022, 6, .	10.7	8
14	Quantum-dot light-emitting diodes with Fermi-level pinning at the hole-injection/hole-transporting interfaces. <i>Nano Research</i> , 2022, 15, 7453-7459.	10.4	5