

Yuequn Shang

List of Publications by Year in descending order

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17
papers

3,393
citations

687363

13
h-index

888059

17
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17
all docs

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docs citations

17
times ranked

4799
citing authors

#	ARTICLE	IF	CITATIONS
1	Dehydration-Reaction-Based Low-Temperature Synthesis of Amorphous SnO _x for High-Performance Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 47603-47609.	8.0	3
2	A Multi-functional Molecular Modifier Enabling Efficient Large-Area Perovskite Light-Emitting Diodes. Joule, 2020, 4, 1977-1987.	24.0	111
3	Peak force visible microscopy. Soft Matter, 2020, 16, 8372-8379.	2.7	2
4	Two-dimensional tin perovskite nanoplate for pure red light-emitting diodes. Journal Physics D: Applied Physics, 2020, 53, 414005.	2.8	25
5	Solution-processed upconversion photodetectors based on quantum dots. Nature Electronics, 2020, 3, 251-258.	26.0	135
6	Ultra-high open-circuit voltage of tin perovskite solar cells via an electron transporting layer design. Nature Communications, 2020, 11, 1245.	12.8	408
7	Highly stable hybrid perovskite light-emitting diodes based on Dion-Jacobson structure. Science Advances, 2019, 5, eaaw8072.	10.3	188
8	Bi-inorganic-ligand coordinated colloidal quantum dot ink. Chemical Communications, 2019, 55, 9483-9486.	4.1	11
9	Quasi-2D Inorganic CsPbBr ₃ Perovskite for Efficient and Stable Light-Emitting Diodes. Advanced Functional Materials, 2018, 28, 1801193.	14.9	108
10	Highly Efficient Inverted Structural Quantum Dot Solar Cells. Advanced Materials, 2018, 30, 1704882.	21.0	88
11	Multi-functional organic molecules for surface passivation of perovskite. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 42-47.	3.9	12
12	Bidentate Ligand-Passivated CsPbI ₃ Perovskite Nanocrystals for Stable Near-Unity Photoluminescence Quantum Yield and Efficient Red Light-Emitting Diodes. Journal of the American Chemical Society, 2018, 140, 562-565.	13.7	745
13	2D-Quasi-2D-3D Hierarchy Structure for Tin Perovskite Solar Cells with Enhanced Efficiency and Stability. Joule, 2018, 2, 2732-2743.	24.0	343
14	Perovskite nanocrystals: synthesis, properties and applications. Science Bulletin, 2017, 62, 369-380.	9.0	96
15	Colloidal quantum-dots surface and device structure engineering for high-performance light-emitting diodes. National Science Review, 2017, 4, 170-183.	9.5	98
16	Highly Oriented Low-Dimensional Tin Halide Perovskites with Enhanced Stability and Photovoltaic Performance. Journal of the American Chemical Society, 2017, 139, 6693-6699.	13.7	723
17	Colloidal quantum dot ligand engineering for high performance solar cells. Energy and Environmental Science, 2016, 9, 1130-1143.	30.8	297