

Yuequn Shang

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

3,393
citations

687363

13
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

4799
citing authors

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