

Wei Shen

List of Publications by Year in descending order

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papers

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471509

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docs citations

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times ranked

2316
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Pure Blue Light-Emitting Diodes Based on CsPbBr ₃ Quantum-Confined Nanoplates. ACS Applied Materials & Interfaces, 2022, 14, 5682-5691.	8.0	33
2	Environmentally Friendly Syntheses of Self-Healed and Printable CsPbBr ₃ Nanocrystals. Inorganic Chemistry, 2022, 61, 8604-8610.	4.0	8
3	Basic Amino Acids Modulated Neutral-pH PEDOT:PSS for Stable Blue Perovskite Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2022, 14, 28133-28144.	8.0	18
4	A donor-acceptor ligand boosting the performance of FA _{0.8} Cs _{0.2} PbBr ₃ nanocrystal light-emitting diodes. Nanoscale, 2021, 13, 1791-1799.	5.6	9
5	p-Type Dopants As Dual Function Interfacial Layer for Efficient and Stable Tin Perovskite Solar Cells. Solar Rrl, 2021, 5, 2100068.	5.8	16
6	Improving the Stability of I^{\pm} -CsPbI ₃ Nanocrystals in Extreme Conditions Facilitated by Mn ²⁺ Doping. ACS Omega, 2021, 6, 13831-13838.	3.5	20
7	Hydroxyl-Rich d -Sorbitol to Address Transport Layer/Perovskite Interfacial Issues toward Highly Efficient and Stable 2D/3D Tin-Based Perovskite Solar Cells. Advanced Optical Materials, 2021, 9, 2100755.	7.3	16
8	Ink formulation of in-situ crosslinkable hole-transporting composite for multilayer inkjet-printed organic light-emitting diodes. Organic Electronics, 2021, 99, 106337.	2.6	9
9	Precise, sensitive, and reversible thermochromic luminescent sensing facilitated <i>via</i> bright high-temperature luminescent PEAMnBr _x I _{3-3x} ($x = 0/1/2/3$). Journal of Materials Chemistry C, 2021, 9, 2729-2737.	5.5	12
10	Lead-Free Perovskite Materials for Solar Cells. Nano-Micro Letters, 2021, 13, 62.	27.0	175
11	Stable and Efficient Red Perovskite Light-Emitting Diodes Based on Ca ²⁺ -Doped CsPbI ₃ Nanocrystals. Research, 2021, 2021, 9829374.	5.7	28
12	Crystallization control and multisite passivation of perovskites with amino acid to boost the efficiency and stability of perovskite solar cells. Journal of Materials Chemistry C, 2020, 8, 17482-17490.	5.5	50
13	Oriented Perovskite Crystal towards Efficient Charge Transport in FASnI ₃ Perovskite Solar Cells. Solar Rrl, 2020, 4, 2000153.	5.8	26
14	Solution-Processed Quasi-Two-Dimensional/Nanocrystals Perovskite Composite Film Enhances the Efficiency and Stability of Perovskite Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2020, 12, 39720-39729.	8.0	11
15	Enhanced stability and performance of light-emitting diodes based on <i>in situ</i> fabricated FAPbBr ₃ nanocrystals <i>via</i> ligand compensation with <i>n</i> -octylphosphonic acid. Journal of Materials Chemistry C, 2020, 8, 9936-9944.	5.5	11
16	Wash-induced multicolor tuning of carbon nano-dot/micro-belt hybrids with full recyclability and stable color convertibility. Nanoscale, 2019, 11, 14592-14597.	5.6	3
17	Quench-resistant and stable nanocarbon dot/sheet emitters with tunable solid-state fluorescence <i>via</i> aggregation-induced color switching. Nanoscale, 2019, 11, 2131-2137.	5.6	18
18	Direct Hot-Injection Synthesis of Lead Halide Perovskite Nanocubes in Acrylic Monomers for Ultrastable and Bright Nanocrystal-Polymer Composite Films. ACS Applied Materials & Interfaces, 2019, 11, 9317-9325.	8.0	67

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19	A pre-solution mixing precursor method for improving the crystallization quality of perovskite films and electroluminescence performance of perovskite light-emitting diodes. <i>Nanoscale</i> , 2019, 11, 20847-20856.	5.6	9
20	Reversible light-mediated compositional and structural transitions between CsPbBr ₃ and CsPb ₂ Br ₅ nanosheets. <i>Chemical Communications</i> , 2018, 54, 2804-2807.	4.1	54
21	Ligand-mediated synthesis of compositionally related cesium lead halide CsPb ₂ X ₅ nanowires with improved stability. <i>Nanoscale</i> , 2018, 10, 7658-7665.	5.6	30
22	In Situ Passivation of PbBr ₆ ⁴⁻ Octahedra toward Blue Luminescent CsPbBr ₃ Nanoplatelets with Near 100% Absolute Quantum Yield. <i>ACS Energy Letters</i> , 2018, 3, 2030-2037.	17.4	402
23	Highly Emissive and Color-Tunable Perovskite Cross-linkers for Luminescent Polymer Networks. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28971-28978.	8.0	20
24	Robust and Reversible Vapoluminescent Organometallic Copper Polymers. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800165.	3.9	3
25	Controlled Synthesis of Composition Tunable Formamidinium Cesium Double Cation Lead Halide Perovskite Nanowires and Nanosheets with Improved Stability. <i>Chemistry of Materials</i> , 2017, 29, 2157-2166.	6.7	82
26	Stable and conductive lead halide perovskites facilitated by X-type ligands. <i>Nanoscale</i> , 2017, 9, 7252-7259.	5.6	62
27	Synthesis of highly fluorescent InP/ZnS small-core/thick-shell tetrahedral-shaped quantum dots for blue light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8243-8249.	5.5	93
28	Alkyl-Thiol Ligand-Induced Shape- and Crystalline Phase-Controlled Synthesis of Stable Perovskite-Related CsPb ₂ Br ₅ Nanocrystals at Room Temperature. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3853-3860.	4.6	100
29	Controlled Synthesis of Lead-Free and Stable Perovskite Derivative Cs ₂ SnI ₆ Nanocrystals via a Facile Hot-Injection Process. <i>Chemistry of Materials</i> , 2016, 28, 8132-8140.	6.7	310