

Qiang Wang

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,330
citations

840776

11
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

1745
citing authors

#	ARTICLE	IF	CITATIONS
1	Interstitial Mn ²⁺ -Driven High-Aspect-Ratio Grain Growth for Low-Trap-Density Microcrystalline Films for Record Efficiency CsPb ₂ Br Solar Cells. ACS Energy Letters, 2018, 3, 970-978.	17.4	356
2	All-Ambient Processed Binary CsPbBr ₃ –CsPb ₂ Br ₅ Perovskites with Synergistic Enhancement for High-Efficiency CsPbBr-Based Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 7145-7154.	8.0	171
3	Chlorine doping for black Γ^3 -CsPbI ₃ solar cells with stabilized efficiency beyond 16%. Nano Energy, 2019, 58, 175-182.	16.0	170
4	Halide Perovskite, a Potential Scintillator for X-Ray Detection. Small Methods, 2020, 4, 2000506.	8.6	160
5	Nitrogen-doped graphene quantum dots for 80% photoluminescence quantum yield for inorganic Γ^3 -CsPbI ₃ perovskite solar cells with efficiency beyond 16%. Journal of Materials Chemistry A, 2019, 7, 5740-5747.	10.3	113
6	Application of perovskite nanocrystals (NCs)/quantum dots (QDs) in solar cells. Nano Energy, 2020, 73, 104757.	16.0	77
7	Cesium Lead Mixed-Halide Perovskites for Low-Energy Loss Solar Cells with Efficiency Beyond 17%. Chemistry of Materials, 2019, 31, 6231-6238.	6.7	76
8	Optical Management with Nanoparticles for a Light Conversion Efficiency Enhancement in Inorganic Γ^3 -CsPbI ₃ Solar Cells. Nano Letters, 2019, 19, 1796-1804.	9.1	58
9	Pseudohalide (SCN ⁻)-doped CsPbI ₃ for high-performance solar cells. Journal of Materials Chemistry C, 2019, 7, 13736-13742.	5.5	53
10	Cesium Lead Halide Nanocrystals based Flexible X-Ray Imaging Screen and Visible Dose Rate Indication on Paper Substrate. Advanced Optical Materials, 2022, 10, .	7.3	39
11	Policy implication of nuclear energy's potential for energy optimization and CO2 mitigation: A case study of Fujian, China. Nuclear Engineering and Technology, 2019, 51, 1154-1162.	2.3	25
12	Low-Trap-Density CsPbX ₃ Film for High-Efficiency Indoor Photovoltaics. ACS Applied Materials & Interfaces, 2022, 14, 11528-11537.	8.0	13
13	Unveiling the Effects of Intrinsic and Extrinsic Factors That Induced a Phase Transition for CsPbI ₃ . ACS Applied Energy Materials, 2020, 3, 8184-8189.	5.1	9
14	Light Management via Tuning the Fluorine-Doped Tin Oxide Glass Haze Drives High-Efficiency CsPbI ₃ Solar Cells. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900602.	1.8	5
15	Ordered Element Distributed C ₃ N Quantum Dots Manipulated Crystallization Kinetics for 2D CsPbI ₃ Solar Cells with Ultra-High Performance. Small, 2022, 18, e2108090.	10.0	5