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List of Publications by Year in descending order

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19
papers

397
citations

933447

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888059

17
g-index

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all docs

19
docs citations

19
times ranked

279
citing authors

#	ARTICLE	IF	CITATIONS
1	Perovskite/perovskite planar tandem solar cells: A comprehensive guideline for reaching energy conversion efficiency beyond 30%. Nano Energy, 2021, 79, 105400.	16.0	69
2	Spray Pyrolyzed TiO ₂ Embedded Multi-Layer Front Contact Design for High-Efficiency Perovskite Solar Cells. Nano-Micro Letters, 2021, 13, 36.	27.0	50
3	Approaching Perfect Light Incoupling in Perovskite and Silicon Thin Film Solar Cells by Moth Eye Surface Textures. Advanced Theory and Simulations, 2018, 1, 1800030.	2.8	38
4	Electrical and Optical Properties of Nickel Oxide Films for Efficient Perovskite Solar Cells. Small Methods, 2020, 4, 2000454.	8.6	37
5	Perovskite Color Detectors: Approaching the Efficiency Limit. ACS Applied Materials & Interfaces, 2020, 12, 47831-47839.	8.0	29
6	Vertically Stacked Perovskite Detectors for Color Sensing and Color Vision. Advanced Materials Interfaces, 2020, 7, 2000459.	3.7	28
7	Effects of oxygen concentration variation on the structural and optical properties of reactive sputtered WO _x thin film. Solar Energy, 2021, 222, 202-211.	6.1	26
8	Near field control for enhanced photovoltaic performance and photostability in perovskite solar cells. Nano Energy, 2021, 89, 106388.	16.0	25
9	Improved Nanophotonic Front Contact Design for High-Performance Perovskite Single-Junction and Perovskite/Perovskite Tandem Solar Cells. Solar Rrl, 2021, 5, 2100509.	5.8	23
10	Low-temperature treated anatase TiO ₂ nanophotonic-structured contact design for efficient triple-cation perovskite solar cells. Chemical Engineering Journal, 2021, 426, 131831.	12.7	22
11	Enhancing spectral response towards high-performance dye-sensitised solar cells by multiple dye approach: A comprehensive review. Applied Materials Today, 2021, 25, 101204.	4.3	11
12	Sputtered WO _x thin film as the electron transport layer for efficient perovskite solar cells. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	9
13	Beyond Tristimulus Color Vision with Perovskite-Based Multispectral Sensors. ACS Applied Materials & Interfaces, 2022, 14, 11645-11653.	8.0	7
14	Growth and reaction mechanism of solution-processed Cu ₂ ZnSnSe ₄ thin films for realising efficient photovoltaic applications. Journal of Alloys and Compounds, 2022, 900, 163457.	5.5	6
15	Reproducible perovskite solar cells using a simple solvent-mediated sol-gel synthesized NiO hole transport layer. Applied Physics Express, 2022, 15, 015504.	2.4	6
16	Nanophotonic-structured front contact for high-performance perovskite solar cells. Science China Materials, 2022, 65, 1727-1740.	6.3	5
17	Reversible photochromic and photoluminescence in iodide perovskites. Thin Solid Films, 2021, 737, 138950.	1.8	4
18	Optics in high efficiency perovskite tandem solar cells. , 2022, , 319-345.		1

#	ARTICLE	IF	CITATIONS
19	Organometal halide perovskite photovoltaics. , 2022, , 273-317.		1