Anupriya Singh

List of Publications by Year
in descending order

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23	754	758635 12	642321 23
papers	citations	h-index	g-index

23	23	23	1058
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent Progress in Advanced Organic Photovoltaics: Emerging Techniques and Materials. ChemSusChem, 2022, 15, .	3.6	15
2	Strain-Induced Band-Edge Modulation in Lead-Free Antimony-Based Double Perovskite for Visible-Light Absorption. ACS Applied Energy Materials, 2022, 5, 3926-3932.	2.5	10
3	Core-twisted tetrachloroperylenediimide additives improve the crystallinity of perovskites to provide efficient perovskite solar cells. Solar Energy Materials and Solar Cells, 2022, 243, 111779.	3.0	3
4	Sweetening Lithium Metal Interface by High Surface and Adhesive Energy Coating of Crystalline Î±â€<scp>d</scp>â€Glucose Film to Inhibit Dendrite Growth. Small, 2022, 18, .	5.2	5
5	Phonon-Assisted Reversible Thermochromism in a Lead-Free Antimony-Based Cs₃Sb₂Br₉ Perovskite. ACS Applied Electronic Materials, 2022, 4, 3440-3447.	2.0	5
6	Low-temperature processed bipolar metal oxide charge transporting layers for highly efficient perovskite solar cells. Solar Energy Materials and Solar Cells, 2021, 221, 110870.	3.0	12
7	Solution-Processed Perovskite/Perovskite Heterostructure Via a Grafting-Assisted Transfer Technique. ACS Applied Energy Materials, 2021, 4, 1962-1971.	2.5	9
8	Electrochemical Performance of Orthorhombic CsPbI3 Perovskite in Li-Ion Batteries. Materials, 2021, 14, 5718.	1.3	4
9	Panchromatic heterojunction solar cells for Pb-free all-inorganic antimony based perovskite. Chemical Engineering Journal, 2021, 419, 129424.	6.6	46
10	Oxygen-Enriched Î±-MoO3â€“ nanobelts suppress lithium dendrite formation in stable lithium-metal batteries. Journal of Power Sources, 2021, 507, 230306.	4.0	12
11	Reversible Thermochromism in Allâ€Inorganic Leadâ€Free Cs₃Sb₂I₉ Perovskite Single Crystals. Advanced Optical Materials, 2021, 9, 2101062.	3.6	26
12	Modulating Performance and Stability of Inorganic Lead-Free Perovskite Solar Cells via Lewis-Pair Mediation. ACS Applied Materials & Interfaces, 2020, 12, 32649-32657.	4.0	32
13	Layered perovskite materials: key solutions for highly efficient and stable perovskite solar cells. Reports on Progress in Physics, 2020, 83, 086502.	8.1	48
14	Coreâ€Twisted Tetrachloroperylenediimides: Lowâ€Cost and Efficient Nonâ€Fullerene Organic Electronâ€Transporting Materials for Inverted Planar Perovskite Solar Cells. ChemSusChem, 2020, 13, 3686-3695.	3.6	7
15	Long-lifespan lithiumâ€“metal batteries obtained using a perovskite intercalation layer to stabilize the lithium electrode. Journal of Materials Chemistry A, 2020, 8, 9137-9145.	5.2	4
16	Suppression of surface defects to achieve hysteresis-free inverted perovskite solar cells via quantum dot passivation. Journal of Materials Chemistry A, 2020, 8, 5263-5274.	5.2	67
17	Lead-Free Antimony-Based Light-Emitting Diodes through the Vaporâ€“Anion-Exchange Method. ACS Applied Materials & Interfaces, 2019, 11, 35088-35094.	4.0	74
18	Modified Separators with Ultrathin Graphite Coating Simultaneously Mitigate the Issues of Metal Dendrites and Lithium Polysulfides to Provide Stable Lithiumâ€“Sulfur Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 16604-16611.	3.2	23

#	Article	IF	Citations
19	Improved conversion efficiency of perovskite solar cells converted from thermally deposited lead iodide with dimethyl sulfoxide-treated poly(3,4-ethylenedioxythiophene) poly(styrene sulfonate). Organic Electronics, 2019, 73, 266-272.	1.4	4
20	Bilayer polymer solar cells prepared with transfer printing of active layers from controlled swelling/de-swelling of PDMS. Nano Energy, 2019, 63, 103826.	8.2	24
21	UV- and NIR-Protective Semitransparent Smart Windows Based on Metal Halide Solar Cells. ACS Applied Energy Materials, 2018, 1, 632-637.	2.5	18
22	Photovoltaic Performance of Vapor-Assisted Solution-Processed Layer Polymorph of Cs₃Sb₂I₉. ACS Applied Materials & Interfaces, 2018, 10, 2566-2573.	4.0	137
23	Solution-processable antimony-based light-absorbing materials beyond lead halide perovskites. Journal of Materials Chemistry A, 2017, 5, 20843-20850.	5.2	169