Anupriya Singh

List of Publications by Year
in descending order

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23 papers	754 citations	758635 12 h-index	642321 23 g-index
23 all docs	23 docs citations	23 times ranked	1058 citing authors

#	Article	IF	Citations
1	Solution-processable antimony-based light-absorbing materials beyond lead halide perovskites. Journal of Materials Chemistry A, 2017, 5, 20843-20850.	5.2	169
2	Photovoltaic Performance of Vapor-Assisted Solution-Processed Layer Polymorph of Cs₃Sb₂I₉. ACS Applied Materials & Interfaces, 2018, 10, 2566-2573.	4.0	137
3	Lead-Free Antimony-Based Light-Emitting Diodes through the Vaporâ€“Anion-Exchange Method. ACS Applied Materials & Interfaces, 2019, 11, 35088-35094.	4.0	74
4	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
5	Layered perovskite materials: key solutions for highly efficient and stable perovskite solar cells. Reports on Progress in Physics, 2020, 83, 086502.	8.1	48
6	Panchromatic heterojunction solar cells for Pb-free all-inorganic antimony based perovskite. Chemical Engineering Journal, 2021, 419, 129424.	6.6	46
7	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
8	Reversible Thermochromism in Allâ€Inorganic Leadâ€Free Cs₃Sb₂I₉ Perovskite Single Crystals. Advanced Optical Materials, 2021, 9, 2101062.	3.6	26
9	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
10	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
11	UV- and NIR-Protective Semitransparent Smart Windows Based on Metal Halide Solar Cells. ACS Applied Energy Materials, 2018, 1, 632-637.	2.5	18
12	Recent Progress in Advanced Organic Photovoltaics: Emerging Techniques and Materials. ChemSusChem, 2022, 15, .	3.6	15
13	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
14	Oxygen-Enriched Î±-MoO3â€“ nanobelts suppress lithium dendrite formation in stable lithium-metal batteries. Journal of Power Sources, 2021, 507, 230306.	4.0	12
15	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
16	Solution-Processed Perovskite/Perovskite Heterostructure Via a Grafting-Assisted Transfer Technique. ACS Applied Energy Materials, 2021, 4, 1962-1971.	2.5	9
17	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
18	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

#	Article	IF	Citations
19	Phonon-Assisted Reversible Thermochromism in a Lead-Free Antimony-Based Cs₃Sb₂Br₉ Perovskite. ACS Applied Electronic Materials, 2022, 4, 3440-3447.	2.0	5
20	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
21	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
22	Electrochemical Performance of Orthorhombic CsPbI3 Perovskite in Li-Ion Batteries. Materials, 2021, 14, 5718.	1.3	4
23	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