Aditya S Yerramilli

List of Publications by Year
in descending order

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17	253	1307594	940533
papers	citations	7	16
		h-index	g-index

17	17	17	321
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Understanding the crystallization of triple-cation perovskites assisted by mixed antisolvents for improved solar cell device performance. Journal of Materials Science: Materials in Electronics, 2022, 33, 4415-4425.	2.2	2
2	Improved photostability of inverted-structure perovskite solar cells with high power conversion efficiency by inserting CuI between PEDOT and MAPbI3 layers. Journal of Materials Science: Materials in Electronics, 2021, 32, 12929-12938.	2.2	2
3	Passivation of triple cation perovskites using guanidinium iodide in inverted solar cells for improved open-circuit voltage and stability. Sustainable Energy and Fuels, 2021, 5, 2486-2493.	4.9	5
4	A Hybrid Hole Transport Layer for Perovskite-Based Solar Cells. Energies, 2021, 14, 1949.	3.1	7
5	Impact of precursor concentration on the properties of perovskite solar cells obtained from the dehydrated lead acetate precursors. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, .	2.1	5
6	Experimental methods in chemical engineering: Xâ€ray diffraction spectroscopyâ€”<scp>XRD</scp>. Canadian Journal of Chemical Engineering, 2020, 98, 1255-1266.	1.7	100
7	Enhanced power conversion efficiency and preferential orientation of the MAPbI3 perovskite solar cells by introduction of urea as additive. Organic Electronics, 2019, 73, 130-136.	2.6	13
8	Improved performance of inverted perovskite solar cells due to the incorporation of zirconium acetylacetonate buffer layer. Solar Energy Materials and Solar Cells, 2019, 200, 109927.	6.2	6
9	An approach to optimize pre-annealing aging and anneal conditions to improve photovoltaic performance of perovskite solar cells. Materials for Renewable and Sustainable Energy, 2019, 8, 1.	3.6	11
10	Effect of excessive Pb on the stability and performance of Pb-halide perovskite solar cells against photo-induced degradation. MRS Communications, 2019, 9, 189-193.	1.8	2
11	Introduction of nitrogen gas flow and precursor aging process to improve the efficiency of the lead acetate derived CH3NH3PbI3 perovskite solar cells. Solar Energy Materials and Solar Cells, 2019, 190, 49-56.	6.2	4
12	Effect of excessive Pb content in the precursor solutions on the properties of the lead acetate derived CH3NH3PbI3 perovskite solar cells. Solar Energy Materials and Solar Cells, 2018, 174, 478-484.	6.2	31
13	Development of low-fluorine solution route and UV photolysis process for YBa2Cu3O7â^'x coated conductors. MRS Communications, 2018, 8, 1037-1042.	1.8	1
14	Control of the Nucleation and Growth of the Lead Acetate Solution Derived CH₃NH₃PbI₃ Films Leads to Enhanced Power Conversion Efficiency. ACS Applied Energy Materials, 2018, 1, 2898-2906.	5.1	4
15	Fabrication of PZT/CuO composite films and their photovoltaic properties. Journal of Sol-Gel Science and Technology, 2018, 87, 285-291.	2.4	14
16	Impact of excess lead on the stability and photo-induced degradation of lead halide perovskite solar cells. Organic Electronics, 2018, 59, 107-112.	2.6	20
17	Resistive Switching Characteristics of Flexible TiO₂Thin Film Fabricated by Deep Ultraviolet Photochemical Solution Method. IEEE Electron Device Letters, 2017, 38, 1528-1531.	3.9	26