

Aditya S Yerramilli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7810159/publications.pdf>

Version: 2024-02-01

17
papers

253
citations

1307594

7
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

321
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental methods in chemical engineering: X-ray diffraction spectroscopy” <sc>XRD</sc>. Canadian Journal of Chemical Engineering, 2020, 98, 1255-1266.	1.7	100
2	Effect of excessive Pb content in the precursor solutions on the properties of the lead acetate derived CH ₃ NH ₃ PbI ₃ perovskite solar cells. Solar Energy Materials and Solar Cells, 2018, 174, 478-484.	6.2	31
3	Resistive Switching Characteristics of Flexible TiO ₂ Thin Film Fabricated by Deep Ultraviolet Photochemical Solution Method. IEEE Electron Device Letters, 2017, 38, 1528-1531.	3.9	26
4	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
5	Fabrication of PZT/CuO composite films and their photovoltaic properties. Journal of Sol-Gel Science and Technology, 2018, 87, 285-291.	2.4	14
6	Enhanced power conversion efficiency and preferential orientation of the MAPbI ₃ perovskite solar cells by introduction of urea as additive. Organic Electronics, 2019, 73, 130-136.	2.6	13
7	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
8	A Hybrid Hole Transport Layer for Perovskite-Based Solar Cells. Energies, 2021, 14, 1949.	3.1	7
9	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
10	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
11	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
12	Control of the Nucleation and Growth of the Lead Acetate Solution Derived CH ₃ NH ₃ PbI ₃ Films Leads to Enhanced Power Conversion Efficiency. ACS Applied Energy Materials, 2018, 1, 2898-2906.	5.1	4
13	Introduction of nitrogen gas flow and precursor aging process to improve the efficiency of the lead acetate derived CH ₃ NH ₃ PbI ₃ perovskite solar cells. Solar Energy Materials and Solar Cells, 2019, 190, 49-56.	6.2	4
14	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
15	Improved photostability of inverted-structure perovskite solar cells with high power conversion efficiency by inserting CuI between PEDOT and MAPbI ₃ layers. Journal of Materials Science: Materials in Electronics, 2021, 32, 12929-12938.	2.2	2
16	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
17	Development of low-fluorine solution route and UV photolysis process for YBa ₂ Cu ₃ O _{7-x} coated conductors. MRS Communications, 2018, 8, 1037-1042.	1.8	1