

Arun Tej Mallajosyula

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

453
citations

759233

12
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

841
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical integrity of solution-processed perovskite solar cells. <i>Extreme Mechanics Letters</i> , 2016, 9, 353-358.	4.1	150
2	Large-area hysteresis-free perovskite solar cells via temperature controlled doctor blading under ambient environment. <i>Applied Materials Today</i> , 2016, 3, 96-102.	4.3	83
3	Advances in Flexible Memristors with Hybrid Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8798-8825.	4.6	36
4	Role of single walled carbon nanotubes in improving the efficiency of poly-(3-hexylthiophene) based organic solar cells. <i>Journal of Applied Physics</i> , 2010, 108, 094902.	2.5	28
5	Photovoltaic effect in single-layer organic solar cell devices fabricated with two new imidazolin-5-one molecules. <i>Solar Energy Materials and Solar Cells</i> , 2008, 92, 1043-1046.	6.2	20
6	Increasing the efficiency of charge extraction limited poly-(3-hexylthiophene):[6,6] phenyl C61 butyric acid methyl ester solar cells using single walled carbon nanotubes with metallic characteristics. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	20
7	Characterization of matrix and isolated organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 1319-1323.	6.2	17
8	Capacitance-voltage characteristics of P3HT:PCBM bulk heterojunction solar cells with ohmic contacts and the impact of single walled carbon nanotubes on them. <i>Organic Electronics</i> , 2012, 13, 1158-1165.	2.6	16
9	Charge transport in polythiophene:fullerene:nanotube bulk heterojunction photovoltaic devices investigated by impedance spectroscopy. <i>Current Applied Physics</i> , 2013, 13, 677-683.	2.4	16
10	A Comparative Study of Poly(3-octylthiophene) and Poly(3-hexylthiophene) Solar Cells Blended with Single Walled Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 011503.	1.5	15
11	Enhancing the Switching Performance of $\text{CH}_3\text{NH}_3\text{PbI}_3$ Memristors by the Control of Size and Characterization Parameters. <i>Advanced Electronic Materials</i> , 2021, 7, 2100472.	5.1	14
12	Optical modelling of tandem solar cells using hybrid organic-inorganic tin perovskite bottom sub-cell. <i>Solar Energy</i> , 2021, 218, 251-261.	6.1	13
13	Multifunctional Bipolar and Complementary Resistive Switching in HOIP Memristors by the Control of Compliance Current. <i>ACS Applied Electronic Materials</i> , 2022, 4, 1039-1046.	4.3	6
14	Effect of various interlayers on the performance of cesium formamidinium lead mixed halide (CsFAPbX_3) Formamidinium tin iodide (FASnI_3) two-terminal tandem solar cell. <i>Solar Energy</i> , 2021, 228, 523-530.	6.1	5
15	Conduction properties of carbon nanotubes in P3HT:SWNT bulk heterojunction solar cells. <i>Conference Record of the IEEE Photovoltaic Specialists Conference</i> , 2008, , .	0.0	4
16	A comparative study on the forming methods of chalcogenide memristors to optimize the resistive switching performance. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 445108.	2.8	4
17	Effect of active layer thickness and angle of incidence on the efficiency of planar heterojunction lead-free tin perovskite solar cell. , 2021, , .		3
18	Effect of single walled carbon nanotubes on the performance of poly-(3-hexylthiophene) solar cell. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
19	Role of single walled carbon nanotubes in improving the efficiency of P3HT:PCBM solar cells - impedance spectroscopy and morphology studies. , 2010, , .		1
20	Enhanced performance of poly-3(hexylthiophene) - single walled carbon nanotube bulk heterojunction solar cells using a poly-3(hexylthiophene) buffer layer and Ca electrode. , 2009, , .		0
21	Effect of Antisolvent Method on the Performance of HOIP based Memristive Devices. , 2018, , .		0