Arun Tej Mallajosyula

List of Publications by Year
in descending order

21	453	759233 12	940533 16
papers	citations	h-index	g-index

21	21	21	841
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multifunctional Bipolar and Complementary Resistive Switching in HOIP Memristors by the Control of Compliance Current. ACS Applied Electronic Materials, 2022, 4, 1039-1046.	4.3	6
2	Optical modelling of tandem solar cells using hybrid organic-inorganic tin perovskite bottom sub-cell. Solar Energy, 2021, 218, 251-261.	6.1	13
3	Effect of active layer thickness and angle of incidence on the efficiency of planar heterojunction lead-free tin perovskite solar cell. , 2021, , .		3
4	Enhancing the Switching Performance of CH₃NH₃PbI₃ Memristors by the Control of Size and Characterization Parameters. Advanced Electronic Materials, 2021, 7, 2100472.	5.1	14
5	Advances in Flexible Memristors with Hybrid Perovskites. Journal of Physical Chemistry Letters, 2021, 12, 8798-8825.	4.6	36
6	Effect of various interlayers on the performance of cesium formamidinium lead mixed halide (CsFAPbX3) â€“ Formamidinium tin iodide (FASnI3) two-terminal tandem solar cell. Solar Energy, 2021, 228, 523-530.	6.1	5
7	A comparative study on the forming methods of chalcogenide memristors to optimize the resistive switching performance. Journal Physics D: Applied Physics, 2020, 53, 445108.	2.8	4
8	Effect of Antisolvent Method on the Performance of HOIP based Memristive Devices. , 2018, , .		0
9	Large-area hysteresis-free perovskite solar cells via temperature controlled doctor blading under ambient environment. Applied Materials Today, 2016, 3, 96-102.	4.3	83
10	Mechanical integrity of solution-processed perovskite solar cells. Extreme Mechanics Letters, 2016, 9, 353-358.	4.1	150
11	Charge transport in polythiophene:fullerene:nanotube bulk heterojunction photovoltaic devices investigated by impedance spectroscopy. Current Applied Physics, 2013, 13, 677-683.	2.4	16
12	Capacitanceâ€“voltage characteristics of P3HT:PCBM bulk heterojunction solar cells with ohmic contacts and the impact of single walled carbon nanotubes on them. Organic Electronics, 2012, 13, 1158-1165.	2.6	16
13	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. Journal of Applied Physics, 2011, 109, .	2.5	20
14	Characterization of matrix and isolated organic solar cells. Solar Energy Materials and Solar Cells, 2010, 94, 1319-1323.	6.2	17
15	Role of single walled carbon nanotubes in improving the efficiency of poly-(3-hexylthiophene) based organic solar cells. Journal of Applied Physics, 2010, 108, 094902.	2.5	28
16	Role of single walled carbon nanotubes in improving the efficiency of P3HT:PCBM solar cells - impedance spectroscopy and morphology studies. , 2010, , .		1
17	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
18	A Comparative Study of Poly(3-octylthiophene) and Poly(3-hexylthiophene) Solar Cells Blended with Single Walled Carbon Nanotubes. Japanese Journal of Applied Physics, 2009, 48, 011503.	1.5	15

#	Article	IF	Citations
19	Photovoltaic effect in single-layer organic solar cell devices fabricated with two new imidazolin-5-one molecules. Solar Energy Materials and Solar Cells, 2008, 92, 1043-1046.	6.2	20
20	Effect of single walled carbon nanotubes on the performance of poly-(3-hexylthiophene) solar cell. , 2008, , .		2
21	Conduction properties of carbon nanotubes in P3HT:SWNT bulk heterojunction solar cells. Conference Record of the IEEE Photovoltaic Specialists Conference, 2008, , .	0.0	4