Sergio Castro-Hermosa

List of Publications by Year
in descending order

15	974	686830 13	1058022 14
papers	citations	h-index	g-index

15	15	15	1658
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly efficient perovskite solar cells for light harvesting under indoor illumination via solution processed SnO2/MgO composite electron transport layers. Nano Energy, 2018, 49, 290-299.	8.2	205
2	Research Update: Large-area deposition, coating, printing, and processing techniques for the upscaling of perovskite solar cell technology. APL Materials, 2016, 4, .	2.2	189
3	Printed Solar Cells and Energy Storage Devices on Paper Substrates. Advanced Functional Materials, 2019, 29, 1806798.	7.8	125
4	Efficient fully laser-patterned flexible perovskite modules and solar cells based on low-temperature solution-processed SnO2/mesoporous-TiO2 electron transport layers. Nano Research, 2018, 11, 2669-2681.	5.8	116
5	Perovskite Photovoltaics on Roll-To-Roll Coated Ultra-thin Glass as Flexible High-Efficiency Indoor Power Generators. Cell Reports Physical Science, 2020, 1, 100045.	2.8	66
6	Perovskite solar cells on paper and the role of substrates and electrodes on performance. IEEE Electron Device Letters, 2017, 38, 1278-1281.	2.2	60
7	Stability issues pertaining large area perovskite and dye-sensitized solar cells and modules. Journal Physics D: Applied Physics, 2017, 50, 033001.	1.3	42
8	Quantifying Performance of Permeation Barrierâ€"Encapsulation Systems for Flexible and Glassâ€Based Electronics and Their Application to Perovskite Solar Cells. Advanced Electronic Materials, 2019, 5, 1800978.	2.6	42
9	Thermosetting Polyurethane Resins as Low-Cost, Easily Scalable, and Effective Oxygen and Moisture Barriers for Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 54862-54875.	4.0	30
10	Efficient fully blade-coated perovskite solar cells in air with nanometer-thick bathocuproine buffer layer. Nano Research, 2021, 14, 1034-1042.	5.8	29
11	Low-Temperature Solution-Processed Thin SnO₂/Al₂O₃Double Electron Transport Layers Toward 20% Efficient Perovskite Solar Cells. IEEE Journal of Photovoltaics, 2019, 9, 1309-1315.	1.5	21
12	Characterisation & modelling of perovskite-based synaptic memristor device. Microelectronics Reliability, 2020, 111, 113708.	0.9	18
13	Investigation of hysteresis in hole transport layer free metal halide perovskites cells under dark conditions. Nanotechnology, 2020, 31, 445201.	1.3	17
14	Efficient fully roll-to-roll coated encapsulated organic solar module for indoor applications. Solar Energy, 2021, 220, 343-353.	2.9	14
15	Perovskite Solar Cells: A Photovoltaic Technology With Outstanding Light-Harvesting Capabilities Under Indoor Illumination. , 2018, , .		0