Sergio Castro-Hermosa

List of Publications by Year in Descending Order

14 papers	652 citations	10 h-index	15 g-index
15 ext. papers	812 ext. citations	7.2 avg, IF	4.41 L-index

#	Paper	IF	Citations
14	Efficient fully roll-to-roll coated encapsulated organic solar module for indoor applications. *Solar Energy*, **2021**, 220, 343-353	6.8	4
13	Efficient fully blade-coated perovskite solar cells in air with nanometer-thick bathocuproine buffer layer. *Nano Research*, **2021**, 14, 1034-1042	10	10
12	Perovskite Photovoltaics on Roll-To-Roll Coated Ultra-thin Glass as Flexible High-Efficiency Indoor Power Generators. *Cell Reports Physical Science*, **2020**, 1, 100045	6.1	40
11	Characterisation & modelling of perovskite-based synaptic memristor device. *Microelectronics Reliability*, **2020**, 111, 113708	1.2	9
10	Investigation of hysteresis in hole transport layer free metal halide perovskites cells under dark conditions. *Nanotechnology*, **2020**, 31, 445201	3.4	8
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	9.5	12
8	Printed Solar Cells and Energy Storage Devices on Paper Substrates. *Advanced Functional Materials*, **2019**, 29, 1806798	15.6	83
7	Quantifying Performance of Permeation Barrier Encapsulation Systems for Flexible and Glass-Based Electronics and Their Application to Perovskite Solar Cells. *Advanced Electronic Materials*, **2019**, 5, 1800978	6.4	22
6	Low-Temperature Solution-Processed Thin SnO2/Al2O3 Double Electron Transport Layers Toward 20% Efficient Perovskite Solar Cells. *IEEE Journal of Photovoltaics*, **2019**, 9, 1309-1315	3.7	12
5	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	17.1	140
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	10	90
3	Stability issues pertaining large area perovskite and dye-sensitized solar cells and modules. *Journal Physics D: Applied Physics*, **2017**, 50, 033001	3	30
2	Perovskite solar cells on paper and the role of substrates and electrodes on performance. *IEEE Electron Device Letters*, **2017**, 38, 1278-1281	4.4	42
1	Research Update: Large-area deposition, coating, printing, and processing techniques for the upscaling of perovskite solar cell technology. *APL Materials*, **2016**, 4, 091508	5.7	150