Belen Arredondo

List of Publications by Year
in descending order

21	463	687363 13	794594 19
papers	citations	h-index	g-index

21	21	21	731
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of solvent additive on the performance and aging behavior of non-fullerene organic solar cells. Solar Energy, 2022, 232, 120-127.	6.1	9
2	Unraveling the Key Relationship Between Perovskite Capacitive Memory, Long Timescale Cooperative Relaxation Phenomena, and Anomalous Jâ€“V Hysteresis. Solar Rrl, 2021, 5, 2000707.	5.8	13
3	Evaluation of Active Layer Thickness Influence in Long-Term Stability and Degradation Mechanisms in CsFAPbIBr Perovskite Solar Cells. Applied Sciences (Switzerland), 2021, 11, 11668.	2.5	1
4	The dominant role of memory-based capacitive hysteretic currents in operation of photovoltaic perovskites. Nano Energy, 2020, 78, 105398.	16.0	14
5	Identification of Degradation Mechanisms in Slot-Die-Coated Nonfullerene ITO-Free Organic Solar Cells Using Different Illumination Spectra. ACS Applied Energy Materials, 2020, 3, 6476-6485.	5.1	7
6	Exploring the impact of fractional-order capacitive behavior on the hysteresis effects of perovskite solar cells: A theoretical perspective. Communications in Nonlinear Science and Numerical Simulation, 2020, 90, 105371.	3.3	17
7	Visible Light Communication system using an organic emitter and a perovskite photodetector. Organic Electronics, 2019, 73, 292-298.	2.6	26
8	Analysis of dynamical mechanisms of CsFAPbIBr perovskite solar cells. , 2019, , .		0
9	An All-Organic Flexible Visible Light Communication System. Sensors, 2018, 18, 3045.	3.8	32
10	Degradation of PEIE interlayer in PTB7:[70]PCBM based solar cells characterized by impedance spectroscopy. Solar Energy, 2017, 144, 105-110.	6.1	19
11	S-Shaped ${I}$ â€“ ${V}$ Characteristics of Organic Solar Cells: Solving Mazhariâ€™s Lumped-Parameter Equivalent Circuit Model. IEEE Transactions on Electron Devices, 2017, 64, 4622-4627.	3.0	22
12	Modelling solar cell S-shaped I-V characteristics with DC lumped-parameter equivalent circuits a review. Facta Universitatis - Series Electronics and Energetics, 2017, 30, 327-350.	0.9	24
13	Monitoring degradation mechanisms in PTB7:PC71BM photovoltaic cells by means of impedance spectroscopy. Solar Energy Materials and Solar Cells, 2016, 144, 422-428.	6.2	54
14	Enhanced stability in semi-transparent PTB7/PC71BM photovoltaic cells. Solar Energy Materials and Solar Cells, 2015, 137, 44-49.	6.2	43
15	Bis(pyridylpyrazolate)platinum(<scp>ii</scp>): a mechanochromic complex useful as a dopant for colour-tunable polymer OLEDs. New Journal of Chemistry, 2015, 39, 8467-8473.	2.8	12
16	Impedance spectroscopy analysis of small molecule solution processed organic solar cell. Solar Energy Materials and Solar Cells, 2014, 128, 351-356.	6.2	52
17	Performance of ITO-free inverted organic bulk heterojunction photodetectors: Comparison with standard device architecture. Organic Electronics, 2013, 14, 2484-2490.	2.6	34
18	Visible Light Communication System Using an Organic Bulk Heterojunction Photodetector. Sensors, 2013, 13, 12266-12276.	3.8	57

#	Article	IF	Citations
19	High-Bandwidth Organic Photodetector Analyzed by Impedance Spectroscopy. IEEE Photonics Technology Letters, 2012, 24, 1868-1871.	2.5	13
20	Analytical Evaluation of the Ratio Between Injection and Space-Charge Limited Currents in Single Carrier Organic Diodes. IEEE Transactions on Electron Devices, 2008, 55, 674-680.	3.0	13
21	Pâ€172: Determination of Hole Mobilities in New Blue Emitting Organic Diodes by Means of Impedance Spectroscopy. Digest of Technical Papers SID International Symposium, 2007, 38, 841-844.	0.3	1