Eszter Voroshazi

List of Publications by Year
in descending order

52	3,057	279798	315739
papers	citations	23 h-index	38 g-index

52	52	52	4478
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Towards a successful reâ€use of decommissioned photovoltaic modules. Progress in Photovoltaics: Research and Applications, 2022, 30, 910-920.	8.1	11
2	Overview and Perspectives for Vehicle-Integrated Photovoltaics. Applied Sciences (Switzerland), 2021, 11, 11598.	2.5	25
3	Towards a circular supply chain for PV modules: Review of today's challenges in PV recycling, refurbishment and reâ€certification. Progress in Photovoltaics: Research and Applications, 2020, 28, 454-464.	8.1	77
4	Why and how to adapt PID testing for bifacial PV modules?. Progress in Photovoltaics: Research and Applications, 2020, 28, 1045-1053.	8.1	13
5	Woven multi-ribbon interconnection for back-contact cells: Extending the functionality of the encapsulant. AIP Conference Proceedings, 2019, , .	0.4	1
6	Physics of potential-induced degradation in bifacial p-PERC solar cells. Solar Energy Materials and Solar Cells, 2019, 200, 109950.	6.2	51
7	Sensitivity analysis of the effect of forced convection on photovoltaic module temperature and energy yield. , 2019, , .		2
8	Optimization Methodology for Reconfigurable PV Modules. , 2018, , .		0
9	Mechanical and chemical adhesion at the encapsulant interfaces in laminated photovoltaic modules. , 2018, , .		0
10	Photovoltaic energy yield modelling under desert and moderate climates: What-if exploration of different cell technologies. Solar Energy, 2018, 173, 728-739.	6.1	14
11	Effect of heat, UV radiation, and moisture on the decohesion kinetics of inverted organic solar cells. Solar Energy Materials and Solar Cells, 2017, 170, 239-245.	6.2	14
12	A woven fabric for interconnecting backâ€contact solar cells. Progress in Photovoltaics: Research and Applications, 2017, 25, 569-582.	8.1	8
13	Multi-wire interconnection technologies weaving the way for back contact and bifacial PV modules. , 2017, , .		1
14	Comparative Indoor and Outdoor Degradation of Organic Photovoltaic Cells via Inter-laboratory Collaboration. Polymers, 2016, 8, 1.	4.5	285
15	Understanding Physico-Chemical Aspects in the Depth Profiling of Polymer:Fullerene Layers. Journal of Physical Chemistry C, 2016, 120, 28074-28082.	3.1	6
16	Multi-wire interconnection technologies weaving the way for back contact and bifacial PV modules. , 2016, , .		2
17	Oxygen-Induced Degradation in C60-Based Organic Solar Cells: Relation Between Film Properties and Device Performance. ACS Applied Materials & Interfaces, 2016, 8, 9798-9805.	8.0	12
18	Insights into the nanoscale lateral and vertical phase separation in organic bulk heterojunctions via scanning probe microscopy. Nanoscale, 2016, 8, 3629-3637.	5.6	6

#	Article	IF	Citations
19	Comparative indoor and outdoor degradation of organic photovoltaic cells via inter-laboratory collaboration. , 2015, , .		3
20	Light stability of ITO-free semi-transparent and opaque organic photovoltaic devices. , 2015, , .		0
21	Root-Cause Failure Analysis of Photocurrent Loss in Polythiophene:Fullerene-Based Inverted Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 618-623.	8.0	28
22	Nafion-Modified MoO_x as Effective Room-Temperature Hole Injection Layer for Stable, High-Performance Inverted Organic Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 3581-3589.	8.0	38
23	Thermal cycling effect on mechanical integrity of inverted polymer solar cells. Solar Energy Materials and Solar Cells, 2015, 143, 418-423.	6.2	23
24	Improved performance and life time of inverted organic photovoltaics by using polymer interfacial materials. Solar Energy Materials and Solar Cells, 2015, 133, 99-104.	6.2	10
25	Morphology and interdiffusion control to improve adhesion and cohesion properties in inverted polymer solar cells. Solar Energy Materials and Solar Cells, 2015, 132, 443-449.	6.2	24
26	Decohesion Kinetics of PEDOT:PSS Conducting Polymer Films. Advanced Functional Materials, 2014, 24, 1325-1332.	14.9	110
27	Organic photovoltaic cell relying on energy transfer with over 20% efficiency in indoor lighting. , 2014, , .		2
28	Round robin performance testing of organic photovoltaic devices. Renewable Energy, 2014, 63, 376-387.	8.9	15
29	Role of Electron- and Hole-Collecting Buffer Layers on the Stability of Inverted Polymer: Fullerene Photovoltaic Devices. IEEE Journal of Photovoltaics, 2014, 4, 265-270.	2.5	11
30	Electron-deficient truxenone derivatives and their use in organic photovoltaics. Journal of Materials Chemistry A, 2014, 2, 12348-12354.	10.3	32
31	Controlling Interdiffusion, Interfacial Composition, and Adhesion in Polymer Solar Cells. Advanced Materials Interfaces, 2014, 1, 1400135.	3.7	28
32	Lightâ€Induced Degradation of Polymer:Fullerene Photovoltaic Devices: An Intrinsic or Materialâ€Dependent Failure Mechanism?. Advanced Energy Materials, 2014, 4, 1400848.	19.5	40
33	Gâ€SIMS analysis of organic solar cell materials. Surface and Interface Analysis, 2014, 46, 96-99.	1.8	0
34	Fundamental aspects of Ar_n⁺ SIMS profiling of common organic semiconductors. Surface and Interface Analysis, 2014, 46, 54-57.	1.8	12
35	Characterization of organic solar cell materials by Gâ€SIMS. Surface and Interface Analysis, 2013, 45, 430-433.	1.8	4
36	Efficient truxenone-based acceptors for organic photovoltaics. Journal of Materials Chemistry A, 2013, 1, 73-76.	10.3	48

#	Article	IF	Citations
37	Adhesion properties of inverted polymer solarcells: Processing and film structure parameters. Organic Electronics, 2013, 14, 1262-1270.	2.6	66
38	Role of electron and hole collecting buffer layers on the stability of inverted polymer: Fullerene photovoltaic devices. , 2013, , .		1
39	Crystallization kinetics and morphology relations on thermally annealed bulk heterojunction solar cell blends studied by rapid heat cool calorimetry (RHC). , 2012, , .		1
40	Combined characterization techniques to understand the stability of a variety of organic photovoltaic devices: the ISOS-3 inter-laboratory collaboration. , 2012, , .		3
41	The effect of anneal, solar irradiation and humidity on the adhesion/cohesion properties of P3HT:PCBM based inverted polymer solar cells. , 2012, , .		15
42	On the stability of a variety of organic photovoltaic devices by IPCE and in situ IPCE analyses â€“ the ISOS-3 inter-laboratory collaboration. Physical Chemistry Chemical Physics, 2012, 14, 11824.	2.8	38
43	The ISOS-3 inter-laboratory collaboration focused on the stability of a variety of organic photovoltaic devices. RSC Advances, 2012, 2, 882-893.	3.6	108
44	Investigation of the degradation mechanisms of a variety of organic photovoltaic devices by combination of imaging techniquesâ€”the ISOS-3 inter-laboratory collaboration. Energy and Environmental Science, 2012, 5, 6521.	30.8	134
45	Stability and degradation of organic photovoltaics fabricated, aged, and characterized by the ISOS 3 inter-laboratory collaboration. , 2012, , .		2
46	TOF-SIMS investigation of degradation pathways occurring in a variety of organic photovoltaic devices â€“ the ISOS-3 inter-laboratory collaboration. Physical Chemistry Chemical Physics, 2012, 14, 11780.	2.8	32
47	Solution-Processed MoO₃ Thin Films As a Hole-Injection Layer for Organic Solar Cells. ACS Applied Materials & Interfaces, 2011, 3, 3244-3247.	8.0	280
48	Novel bis-C60 derivative compared to other fullerene bis-adducts in high efficiency polymer photovoltaic cells. Journal of Materials Chemistry, 2011, 21, 17345.	6.7	75
49	An inter-laboratory stability study of roll-to-roll coated flexible polymer solar modules. Solar Energy Materials and Solar Cells, 2011, 95, 1398-1416.	6.2	132
50	Consensus stability testing protocols for organic photovoltaic materials and devices. Solar Energy Materials and Solar Cells, 2011, 95, 1253-1267.	6.2	812
51	Influence of cathode oxidation via the hole extraction layer in polymer:fullerene solar cells. Organic Electronics, 2011, 12, 736-744.	2.6	255
52	Long-term operational lifetime and degradation analysis of P3HT:PCBM photovoltaic cells. Solar Energy Materials and Solar Cells, 2011, 95, 1303-1307.	6.2	147