

Vida Turkovic

List of Publications by Year in descending order

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31
papers

1,384
citations

516561

16
h-index

552653

26
g-index

33
all docs

33
docs citations

33
times ranked

2275
citing authors

#	ARTICLE	IF	CITATIONS
1	Consensus statement for stability assessment and reporting for perovskite photovoltaics based on ISOS procedures. <i>Nature Energy</i> , 2020, 5, 35-49.	19.8	797
2	Dynamics of Photoinduced Degradation of Perovskite Photovoltaics: From Reversible to Irreversible Processes. <i>ACS Applied Energy Materials</i> , 2018, 1, 799-806.	2.5	85
3	Reconsidering figures of merit for performance and stability of perovskite photovoltaics. <i>Energy and Environmental Science</i> , 2018, 11, 739-743.	15.6	79
4	Long-Term Stabilization of Organic Solar Cells Using Hindered Phenols as Additives. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 18525-18537.	4.0	46
5	Biomimetic Approach to Inhibition of Photooxidation in Organic Solar Cells Using Beta-Carotene as an Additive. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41570-41579.	4.0	34
6	Multiple stress degradation analysis of the active layer in organic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2014, 120, 654-668.	3.0	30
7	Optical order of the polymer phase within polymer/fullerene blend films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 1363-1373.	2.4	28
8	Photon recycling across a ultraviolet-blocking layer by luminescence in polymer solar cells. <i>Journal of Applied Physics</i> , 2012, 112, 034517.	1.1	26
9	Crystalline Molybdenum Oxide Layers as Efficient and Stable Hole Contacts in Organic Photovoltaic Devices. <i>ACS Applied Energy Materials</i> , 2019, 2, 420-427.	2.5	26
10	Long-term stabilization of organic solar cells using UV absorbers. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 125604.	1.3	23
11	Long-term stabilization of organic solar cells using hydroperoxide decomposers as additives. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	23
12	Ellipsometric Investigation of the Shape of Nanodomains in Polymer/Fullerene Films. <i>Advanced Energy Materials</i> , 2011, 1, 684-689.	10.2	22
13	Oxygen-dependent photophysics and photochemistry of prototypical compounds for organic photovoltaics: inhibiting degradation initiated by singlet oxygen at a molecular level. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 014001.	1.1	22
14	2D materials for organic and perovskite photovoltaics. <i>Nano Energy</i> , 2022, 94, 106833.	8.2	20
15	Methods in determination of morphological degradation of polymer:fullerene solar cells. <i>Synthetic Metals</i> , 2012, 161, 2534-2539.	2.1	19
16	Degradation Behavior of Scalable Nonfullerene Organic Solar Cells Assessed by Outdoor and Indoor ISOS Stability Protocols. <i>Energy Technology</i> , 2020, 8, 2000295.	1.8	19
17	Stability of organic solar cells with PCDTBT donor polymer: An interlaboratory study. <i>Journal of Materials Research</i> , 2018, 33, 1909-1924.	1.2	17
18	Aging of polymer/fullerene films: Temporal development of composition profiles. <i>Synthetic Metals</i> , 2012, 161, 2540-2543.	2.1	14

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19	Direct Correlation of the Organic Solar Cell Device Performance to the In-Depth Distribution of Highly Ordered Polymer Domains in Polymer/Fullerene Films. <i>Advanced Energy Materials</i> , 2013, 3, 1463-1472.	10.2	13
20	Bias-Dependent Dynamics of Degradation and Recovery in Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 6562-6573.	2.5	11
21	Influence of solvent additive on the performance and aging behavior of non-fullerene organic solar cells. <i>Solar Energy</i> , 2022, 232, 120-127.	2.9	9
22	Identification of Degradation Mechanisms in Slot-Die-Coated Nonfullerene ITO-Free Organic Solar Cells Using Different Illumination Spectra. <i>ACS Applied Energy Materials</i> , 2020, 3, 6476-6485.	2.5	7
23	Synergistic effect of carotenoid and silicone-based additives for photooxidatively stable organic solar cells with enhanced elasticity. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11838-11850.	2.7	7
24	Peculiarities of perovskite photovoltaics degradation and how to account for them in stability studies. , 2020, , .		2
25	Revealing the Active Layer Morphology within Complete Solar Cell Devices via Spectroscopic Ellipsometry. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25205-25210.	1.5	1
26	World Scientific Reference of Hybrid Materials. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2019, , .	0.1	1
27	Additive-Assisted Stabilization Against Photooxidation of Organic and Hybrid Solar Cells. , 2022, , 169-193.		0
28	Stabilizing organic solar cells using antioxidants, radical scavengers and light stabilizers (Conference Presentation). , 2017, , .		0
29	Inhibiting Photo-oxidative Degradation in Organic Solar Cells using Stabilizing Additives. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2019, , 367-421.	0.1	0
30	Biomimetic Additive-Assisted Stabilization of Organic Solar Cells. , 0, , .		0
31	Planar Perovskite Solar Cells Using Fullerene C70 as Electron Selective Transport Layer. <i>International Journal of Optics and Photonics</i> , 2020, 14, 15-24.	0.2	0