

Charn-Ying Chen

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

423
citations

933447

10
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

885
citing authors

#	ARTICLE	IF	CITATIONS
1	All-Spray-Coated Inverted Semitransparent Organic Solar Cells and Modules. IEEE Journal of Photovoltaics, 2018, 8, 144-150.	2.5	9
2	A universal roll-to-roll slot-die coating approach towards high-efficiency organic photovoltaics. Progress in Photovoltaics: Research and Applications, 2017, 25, 928-935.	8.1	34
3	Correlation between Hierarchical Structure and Processing Control of Large-area Spray-coated Polymer Solar Cells toward High Performance. Scientific Reports, 2016, 6, 20062.	3.3	18
4	Morphological control and performance improvement of organic photovoltaic layer of roll-to-roll coated polymer solar cells. Solar Energy Materials and Solar Cells, 2016, 150, 10-18.	6.2	19
5	Performance improvement of large-area roll-to-roll slot-die-coated inverted polymer solar cell by tailoring electron transport layer. Solar Energy Materials and Solar Cells, 2014, 130, 191-198.	6.2	34
6	Reaction Kinetics and Formation Mechanism of TiO ₂ Nanorods in Solution: An Insight into Oriented Attachment. Journal of Physical Chemistry C, 2014, 118, 26332-26340.	3.1	13
7	High-performance ITO-free spray-processed polymer solar cells with incorporating ink-jet printed grid. Organic Electronics, 2013, 14, 2809-2817.	2.6	40
8	Facile hot solvent vapor annealing for high performance polymer solar cell using spray process. Solar Energy Materials and Solar Cells, 2013, 114, 24-30.	6.2	45
9	Mechanism and control of the structural evolution of a polymer solar cell from a bulk heterojunction to a thermally unstable hierarchical structure. Nanoscale, 2013, 5, 7629.	5.6	48
10	Bi-hierarchical nanostructures of donor-acceptor copolymer and fullerene for high efficient bulk heterojunction solar cells. Energy and Environmental Science, 2013, 6, 1938.	30.8	101
11	Small- and Wide-Angle X-ray Scattering Characterization of Bulk Heterojunction Polymer Solar Cells with Different Fullerene Derivatives. Journal of Physical Chemistry C, 2012, 116, 10238-10244.	3.1	62
12	The Active Control Design for Hybrid DMFC System Based on Fuzzy Logic. IEICE Transactions on Communications, 2011, E94-B, 2994-3000.	0.7	0