

# Charn-Ying Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/509839/publications.pdf>

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