

Sven HÃ¼ttner

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

4,247
citations

279798

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501196

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docs citations

29
times ranked

7671
citing authors

#	ARTICLE	IF	CITATIONS
1	Amphiphilic iron(II) spin crossover coordination polymers: crystal structures and phase transition properties. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1151-1163.	5.5	21
2	Does Electron Delocalization Influence Charge Separation at Donor-Acceptor Interfaces in Organic Photovoltaic Cells?. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21792-21802.	3.1	33
3	Perovskite Solar Cells: Capturing the Sun: A Review of the Challenges and Perspectives of Perovskite Solar Cells (<i>Adv. Energy Mater.</i> 16/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	19.5	3
4	Capturing the Sun: A Review of the Challenges and Perspectives of Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1700264.	19.5	295
5	Influence of Electron Extracting Interface Layers in Organic Bulk-Heterojunction Solar Cells. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500422.	3.7	8
6	Reversible Laser-Induced Amplified Spontaneous Emission from Coexisting Tetragonal and Orthorhombic Phases in Hybrid Lead Halide Perovskites. <i>Advanced Optical Materials</i> , 2016, 4, 917-928.	7.3	40
7	Atmospheric Influence upon Crystallization and Electronic Disorder and Its Impact on the Photophysical Properties of Organic-Inorganic Perovskite Solar Cells. <i>ACS Nano</i> , 2015, 9, 2311-2320.	14.6	173
8	Optical properties and limiting photocurrent of thin-film perovskite solar cells. <i>Energy and Environmental Science</i> , 2015, 8, 602-609.	30.8	417
9	High Photoluminescence Efficiency and Optically Pumped Lasing in Solution-Processed Mixed Halide Perovskite Semiconductors. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1421-1426.	4.6	1,490
10	Efficiency limitations in a low band-gap diketopyrrolopyrrole-based polymer solar cell. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 6743-6752.	2.8	17
11	Structure formation in P3HT/F8TBT blends. <i>Energy and Environmental Science</i> , 2014, 7, 1725-1736.	30.8	36
12	Hierarchical Orientation of Crystallinity by Block-Copolymer Patterning and Alignment in an Electric Field. <i>Chemistry of Materials</i> , 2013, 25, 1063-1070.	6.7	27
13	Crystallization-Induced 10-nm Structure Formation in P3HT/PCBM Blends. <i>Macromolecules</i> , 2013, 46, 4002-4013.	4.8	136
14	Enhanced Nanoscale Imaging of Polymer Blends by Temperature-Controlled Selective Dissolution. <i>Small</i> , 2012, 8, 237-240.	10.0	5
15	Improved conductivity in dye-sensitized solar cells through block-copolymer confined TiO ₂ crystallisation. <i>Energy and Environmental Science</i> , 2011, 4, 225-233.	30.8	88
16	Formation of Well-Ordered Heterojunctions in Polymer:PCBM Photovoltaic Devices. <i>Advanced Functional Materials</i> , 2011, 21, 139-146.	14.9	78
17	Control of Solid-State Dye-Sensitized Solar Cell Performance by Block-Copolymer-Directed TiO ₂ Synthesis. <i>Advanced Functional Materials</i> , 2010, 20, 1787-1796.	14.9	131
18	Determination of charge carrier mobility of hole transporting polytriarylamine-based diodes. <i>Thin Solid Films</i> , 2010, 518, 3351-3354.	1.8	24

#	ARTICLE	IF	CITATIONS
19	Organic field effect transistors from triarylamine side-chain polymers. Applied Physics Letters, 2010, 96, 073503.	3.3	28
20	Dye-Sensitized Solar Cell Based on a Three-Dimensional Photonic Crystal. Nano Letters, 2010, 10, 2303-2309.	9.1	310
21	Formation of Nanopatterned Polymer Blends in Photovoltaic Devices. Nano Letters, 2010, 10, 1302-1307.	9.1	248
22	Monolithic route to efficient dye-sensitized solar cells employing diblock copolymers for mesoporous TiO ₂ . Journal of Materials Chemistry, 2010, 20, 1261-1268.	6.7	40
23	Influence of molecular weight on the solar cell performance of double-crystalline donor-acceptor block copolymers. Applied Physics Letters, 2009, 95, 183308.	3.3	81
24	Block copolymer directed synthesis of mesoporous TiO ₂ for dye-sensitized solar cells. Soft Matter, 2009, 5, 134-139.	2.7	108
25	Controlled solvent vapour annealing for polymer electronics. Soft Matter, 2009, 5, 4206.	2.7	58
26	Electron-Conducting Block Copolymers: Morphological, Optical, and Electronic Properties. Advanced Materials, 2008, 20, 2523-2527.	21.0	42
27	n -type organic field effect transistors from perylene bisimide block copolymers and homopolymers. Applied Physics Letters, 2008, 92, .	3.3	102
28	Charge Separation at Self-Assembled Nanostructured Bulk Interface in Block Copolymers. Angewandte Chemie - International Edition, 2006, 45, 3364-3368.	13.8	205