

Markus Scharber

List of Publications by Year in descending order

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17
papers

1,629
citations

623734

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888059

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docs citations

17
times ranked

2664
citing authors

#	ARTICLE	IF	CITATIONS
1	Panchromatic Conjugated Polymers Containing Alternating Donor/Acceptor Units for Photovoltaic Applications. <i>Macromolecules</i> , 2007, 40, 1981-1986.	4.8	428
2	Exciton diffusion length in narrow bandgap polymers. <i>Energy and Environmental Science</i> , 2012, 5, 6960.	30.8	207
3	Fabrication, Optical Modeling, and Color Characterization of Semitransparent Bulk Heterojunction Organic Solar Cells in an Inverted Structure. <i>Advanced Functional Materials</i> , 2010, 20, 1592-1598.	14.9	182
4	Two Novel Cyclopentadithiophene-Based Alternating Copolymers as Potential Donor Components for High-Efficiency Bulk-Heterojunction-Type Solar Cells. <i>Chemistry of Materials</i> , 2008, 20, 4045-4050.	6.7	179
5	Nanomorphology and Charge Generation in Bulk Heterojunctions Based on Low-Bandgap Dithiophene Polymers with Different Bridging Atoms. <i>Advanced Functional Materials</i> , 2010, 20, 1180-1188.	14.9	173
6	Bipolar Charge Transport in PCPDTBT/PCBM Bulk Heterojunctions for Photovoltaic Applications. <i>Advanced Functional Materials</i> , 2008, 18, 1757-1766.	14.9	156
7	Low-Temperature Behaviour of Charge Transfer Excitons in Narrow-Bandgap Polymer-Based Bulk Heterojunctions. <i>Advanced Energy Materials</i> , 2011, 1, 604-609.	19.5	83
8	Alternating quinoxaline/oligothiophene copolymers' synthesis and unexpected absorption properties. <i>Journal of Materials Chemistry</i> , 2007, 17, 1353-1355.	6.7	54
9	Reversible Photochemical Isomerization of <i>N,N</i> -Di(<i>n</i> -butoxycarbonyl)indigos. <i>Journal of Physical Chemistry A</i> , 2015, 119, 3563-3568.	2.5	29
10	Long-Lived Photoinduced Charges in Donor-Acceptor Anthraquinone-Substituted Thiophene Copolymers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5351-5358.	2.6	27
11	Systematic Investigation of Porphyrin-Thiophene Conjugates for Ternary Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1600957.	19.5	25
12	Measuring internal quantum efficiency to demonstrate hot exciton dissociation. <i>Nature Materials</i> , 2013, 12, 594-594.	27.5	23
13	Influence of octanedithiol on the nanomorphology of PCPDTBT:PCBM blends studied by solid-state NMR. <i>Solar Energy Materials and Solar Cells</i> , 2012, 96, 210-217.	6.2	20
14	Determining the internal quantum efficiency of organic Bulk Heterojunctions based on mono and bis-adduct fullerenes as acceptor. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 3093-3098.	6.2	17
15	Tuning of the photoinduced charge transfer process in donor-acceptor double-cable copolymers. <i>Synthetic Metals</i> , 2003, 139, 731-733.	3.9	12
16	Single-Component Organic Solar Cells Based on Intramolecular Charge Transfer Photoabsorption. <i>Materials</i> , 2021, 14, 1200.	2.9	10
17	Processible Cyclopentadithiophene Copolymers for Photovoltaic Applications. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 478-483.	2.2	4