

Thomas Tromholt

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

2,708
citations

15
h-index

21
g-index

21
ext. papers

2,860
ext. citations

8.2
avg, IF

5.03
L-index

#	Paper	IF	Citations
21	Stability of polymer solar cells. <i>Advanced Materials</i> , 2012 , 24, 580-612	24	1149
20	Upscaling of polymer solar cell fabrication using full roll-to-roll processing. <i>Nanoscale</i> , 2010 , 2, 873-86	7.7	902
19	Electrical and Photo-Induced Degradation of ZnO Layers in Organic Photovoltaics. <i>Advanced Energy Materials</i> , 2011 , 1, 836-843	21.8	101
18	Photochemical stability of conjugated polymers, electron acceptors and blends for polymer solar cells resolved in terms of film thickness and absorbance. <i>Journal of Materials Chemistry</i> , 2012 , 22, 7592		73
17	Effects of concentrated sunlight on organic photovoltaics. <i>Applied Physics Letters</i> , 2010 , 96, 073501	3.4	61
16	Origin of size effect on efficiency of organic photovoltaics. <i>Journal of Applied Physics</i> , 2011 , 109, 074508	2.5	55
15	Degradation of semiconducting polymers by concentrated sunlight. <i>Solar Energy Materials and Solar Cells</i> , 2011 , 95, 1308-1314	6.4	53
14	Enhancing functionality of ZnO hole blocking layer in organic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 98, 491-493	6.4	49
13	Comparative studies of photochemical cross-linking methods for stabilizing the bulk hetero-junction morphology in polymer solar cells. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24417		44
12	Ellipsometry as a Nondestructive Depth Profiling Tool for Roll-to-Roll Manufactured Flexible Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10817-10822	3.8	39
11	Thermocleavable materials for polymer solar cells with high open circuit voltage-a comparative study. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 2768-77	9.5	39
10	Reversible degradation of inverted organic solar cells by concentrated sunlight. <i>Nanotechnology</i> , 2011 , 22, 225401	3.4	33
9	Thermally reactive Thiazolo[5,4-d]thiazole based copolymers for high photochemical stability in polymer solar cells. <i>Polymer Chemistry</i> , 2011 , 2, 2536	4.9	31
8	Influence of processing and intrinsic polymer parameters on photochemical stability of polythiophene thin films. <i>Polymer Degradation and Stability</i> , 2012 , 97, 2412-2417	4.7	24
7	Concentrated Light for Accelerated Photo Degradation of Polymer Materials. <i>Advanced Energy Materials</i> , 2013 , 3, 424-427	21.8	19
6	Ultra high open circuit voltage (>1 V) of poly-3-hexylthiophene based organic solar cells with concentrated light. <i>Applied Physics Letters</i> , 2013 , 102, 123904	3.4	15
5	Generation of native polythiophene/PCBM composite nanoparticles via the combination of ultrasonic micronization of droplets and thermocleaving from aqueous dispersion. <i>Nanotechnology</i> , 2011 , 22, 475301	3.4	15

4	Accelerated stability testing of organic photovoltaics using concentrated sunlight 2012 ,		3
3	Non-destructive lateral mapping of the thickness of the photoactive layer in polymer-based solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2011 , 21, n/a-n/a	6.8	2
2	Polymers, Nanomaterials, and Organic Photovoltaic Devices 319-340		1
1	Concentrated Light for Organic Photovoltaics 2012 , 243-267		