Thomas Tromholt

List of Publications by Year in descending order

19 papers	2,948 citations	516215 16 h-index	839053 18 g-index
21 all docs	21 docs citations	21 times ranked	4195 citing authors

#	Article	IF	Citations
1	Stability of Polymer Solar Cells. Advanced Materials, 2012, 24, 580-612.	11.1	1,249
2	Upscaling of polymer solar cell fabrication using full roll-to-roll processing. Nanoscale, 2010, 2, 873.	2.8	968
3	Electrical and Photoâ€Induced Degradation of ZnO Layers in Organic Photovoltaics. Advanced Energy Materials, 2011, 1, 836-843.	10.2	123
4	Photochemical stability of conjugated polymers, electron acceptors and blends for polymer solar cells resolved in terms of film thickness and absorbance. Journal of Materials Chemistry, 2012, 22, 7592.	6.7	79
5	Effects of concentrated sunlight on organic photovoltaics. Applied Physics Letters, 2010, 96, 073501.	1.5	69
6	Origin of size effect on efficiency of organic photovoltaics. Journal of Applied Physics, 2011, 109, 074508.	1.1	59
7	Degradation of semiconducting polymers by concentrated sunlight. Solar Energy Materials and Solar Cells, 2011, 95, 1308-1314.	3.0	57
8	Enhancing functionality of ZnO hole blocking layer in organic photovoltaics. Solar Energy Materials and Solar Cells, 2012, 98, 491-493.	3.0	56
9	Comparative studies of photochemical cross-linking methods for stabilizing the bulk hetero-junction morphology in polymer solar cells. Journal of Materials Chemistry, 2012, 22, 24417.	6.7	49
10	Thermocleavable Materials for Polymer Solar Cells with High Open Circuit Voltageâ€”A Comparative Study. ACS Applied Materials & Interfaces, 2009, 1, 2768-2777.	4.0	40
11	Ellipsometry as a Nondestructive Depth Profiling Tool for Roll-to-Roll Manufactured Flexible Solar Cells. Journal of Physical Chemistry C, 2011, 115, 10817-10822.	1.5	39
12	Thermally reactive Thiazolo[5,4-d]thiazole based copolymers for high photochemical stability in polymer solar cells. Polymer Chemistry, 2011, 2, 2536.	1.9	35
13	Reversible degradation of inverted organic solar cells by concentrated sunlight. Nanotechnology, 2011, 22, 225401.	1.3	35
14	Influence of processing and intrinsic polymer parameters on photochemical stability of polythiophene thin films. Polymer Degradation and Stability, 2012, 97, 2412-2417.	2.7	26
15	Concentrated Light for Accelerated Photo Degradation of Polymer Materials. Advanced Energy Materials, 2013, 3, 424-427.	10.2	24
16	Ultra high open circuit voltage (>1â€‰V) of poly-3-hexylthiophene based organic solar cells with concentrated light. Applied Physics Letters, 2013, 102, 123904.	1.5	18
17	Generation of native polythiophene/PCBM composite nanoparticles via the combination of ultrasonic micronization of droplets and thermocleaving from aqueous dispersion. Nanotechnology, 2011, 22, 475301.	1.3	15
18	Non-destructive lateral mapping of the thickness of the photoactive layer in polymer-based solar cells. Progress in Photovoltaics: Research and Applications, 2011, 21, n/a-n/a.	4.4	3

#	Article	IF	Citations
19	Accelerated stability testing of organic photovoltaics using concentrated sunlight. , 2012, , .		3