

Mikkel JÃ¸rgensen

List of Publications by Year in descending order

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61
papers

8,578
citations

87843

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h-index

138417

58
g-index

63
all docs

63
docs citations

63
times ranked

10329
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ electrical and thermal monitoring of printed electronics by two-photon mapping. Scientific Reports, 2017, 7, 3787.	1.6	5
2	Flow Synthesis of Silver Nanowires for Semitransparent Solar Cell Electrodes: A Life Cycle Perspective. ChemSusChem, 2016, 9, 893-899.	3.6	15
3	Slot-Die-Coated V_2O_5 as Hole Transport Layer for Flexible Organic Solar Cells and Optoelectronic Devices. Advanced Engineering Materials, 2016, 18, 1494-1503.	1.6	28
4	The Organic Power Transistor: Roll-to-Roll Manufacture, Thermal Behavior, and Power Handling When Driving Printed Electronics. Advanced Engineering Materials, 2016, 18, 51-55.	1.6	35
5	Improving the Operational Stability of PBDTTTz Polymer Solar Cells Modules by Electrode Modification. Advanced Engineering Materials, 2016, 18, 511-517.	1.6	17
6	Lifetime of Organic Photovoltaics: Status and Predictions. Advanced Energy Materials, 2016, 6, 1501208.	10.2	119
7	Roll-coating fabrication of flexible organic solar cells: comparison of fullerene and fullerene-free systems. Journal of Materials Chemistry A, 2016, 4, 1044-1051.	5.2	84
8	Roll-to-roll printed silver nanowires for increased stability of flexible ITO-free organic solar cell modules. Nanoscale, 2016, 8, 318-326.	2.8	90
9	X-Ray Nanovision: Enabling Flexible Polymer Tandem Solar Cells by 3D Ptychographic Imaging (Adv.) Tj ETQq1 1 0.784314 rgBT /Overl	10.2	10
10	Roll-to-Roll Printed Silver Nanowire Semitransparent Electrodes for Fully Ambient Solution-Processed Tandem Polymer Solar Cells. Advanced Functional Materials, 2015, 25, 4539-4547.	7.8	97
11	Influence of Side Chain Position on the Electrical Properties of Organic Solar Cells Based on Dithienylbenzothiadiazole- <i>i>alt</i>-phenylene Conjugated Polymers. Macromolecules, 2015, 48, 3481-3492.</i>	2.2	29
12	Making Ends Meet: Flow Synthesis as the Answer to Reproducible High-Performance Conjugated Polymers on the Scale that Roll-to-Roll Processing Demands. Advanced Energy Materials, 2015, 5, 1401996.	10.2	55
13	The Critical Choice of PEDOT:PSS Additives for Long Term Stability of Roll-to-Roll Processed OPVs. Advanced Energy Materials, 2015, 5, 1401912.	10.2	66
14	Matrix Organization and Merit Factor Evaluation as a Method to Address the Challenge of Finding a Polymer Material for Roll Coated Polymer Solar Cells. Advanced Energy Materials, 2015, 5, 1402186.	10.2	51
15	Three dimensional corrugated organic photovoltaics for building integration; improving the efficiency, oblique angle and diffuse performance of solar cells. Energy and Environmental Science, 2015, 8, 3266-3273.	15.6	31
16	Enabling Flexible Polymer Tandem Solar Cells by 3D Ptychographic Imaging. Advanced Energy Materials, 2015, 5, 1400736.	10.2	52
17	Light Beam-Induced Current: 2D Characterization of OPV from Single and Tandem Cells to Fully Roll-to-Roll Processed Modules with and without Electrical Contact (Advanced Optical Materials) Tj ETQq1 1 0.784314 rgBT /Overl	10.2	10
18	Scaling Up ITO-Free Solar Cells. Advanced Energy Materials, 2014, 4, 1300498.	10.2	48

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19	Efficient decommissioning and recycling of polymer solar cells: justification for use of silver. <i>Energy and Environmental Science</i> , 2014, 7, 1006-1012.	15.6	51
20	2D Characterization of OPV from Single and Tandem Cells to Fully Roll-to-Roll Processed Modules with and without Electrical Contact. <i>Advanced Optical Materials</i> , 2014, 2, 465-477.	3.6	39
21	25th Anniversary Article: Rise to Power – OPV-Based Solar Parks. <i>Advanced Materials</i> , 2014, 26, 29-39.	11.1	739
22	A rational method for developing and testing stable flexible indium- and vacuum-free multilayer tandem polymer solar cells comprising up to twelve roll processed layers. <i>Solar Energy Materials and Solar Cells</i> , 2014, 120, 735-743.	3.0	72
23	Failure Modes and Fast Repair Procedures in High Voltage Organic Solar Cell Installations. <i>Advanced Energy Materials</i> , 2014, 4, 1301625.	10.2	22
24	The influence of additives on the morphology and stability of roll-to-roll processed polymer solar cells studied through ex situ and in situ X-ray scattering. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18644-18654.	5.2	34
25	Roll-coating fabrication of flexible large area small molecule solar cells with power conversion efficiency exceeding 1%. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19809-19814.	5.2	44
26	Comparison of additive amount used in spin-coated and roll-coated organic solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19542-19549.	5.2	36
27	Cost analysis of roll-to-roll fabricated ITO free single and tandem organic solar modules based on data from manufacture. <i>Energy and Environmental Science</i> , 2014, 7, 2792.	15.6	170
28	Scalable, ambient atmosphere roll-to-roll manufacture of encapsulated large area, flexible organic tandem solar cell modules. <i>Energy and Environmental Science</i> , 2014, 7, 2925.	15.6	255
29	Carbon: The Ultimate Electrode Choice for Widely Distributed Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400732.	10.2	36
30	Comparison of UV-Curing, Hotmelt, and Pressure Sensitive Adhesive as Roll-to-Roll Encapsulation Methods for Polymer Solar Cells. <i>Advanced Engineering Materials</i> , 2013, 15, 1068-1075.	1.6	86
31	Advanced Functional Polymers for Increasing the Stability of Organic Photovoltaics. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1546-1558.	1.1	23
32	Freely available OPV – The fast way to progress. <i>Energy Technology</i> , 2013, 1, 378-381.	1.8	122
33	Fast Inline Roll-to-Roll Printing for Indium-Tin-Oxide-Free Polymer Solar Cells Using Automatic Registration. <i>Energy Technology</i> , 2013, 1, 102-107.	1.8	212
34	It is all in the Pattern – High Efficiency Power Extraction from Polymer Solar Cells through High Voltage Serial Connection. <i>Energy Technology</i> , 2013, 1, 15-19.	1.8	85
35	Fast printing of thin, large area, ITO free electrochromics on flexible barrier foil. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 132-136.	2.4	43
36	OPV for mobile applications: an evaluation of roll-to-roll processed indium and silver free polymer solar cells through analysis of life cycle, cost and layer quality using inline optical and functional inspection tools. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7037.	5.2	83

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37	Roll-to-Roll Inkjet Printing and Photonic Sintering of Electrodes for ITO Free Polymer Solar Cell Modules and Facile Product Integration. <i>Advanced Energy Materials</i> , 2013, 3, 172-175.	10.2	223
38	Practical evaluation of organic polymer thermoelectrics by large-area R2R processing on flexible substrates. <i>Energy Science and Engineering</i> , 2013, 1, 81-88.	1.9	122
39	A Nanoparticle Approach towards Morphology Controlled Organic Photovoltaics (OPV). <i>Polymers</i> , 2012, 4, 1242-1258.	2.0	7
40	All printed transparent electrodes through an electrical switching mechanism: A convincing alternative to indium-tin-oxide, silver and vacuum. <i>Energy and Environmental Science</i> , 2012, 5, 9467.	15.6	94
41	High-throughput roll-to-roll X-ray characterization of polymer solar cell active layers. <i>Journal of Materials Chemistry</i> , 2012, 22, 22501.	6.7	26
42	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.	6.7	49
43	The ISOS-3 inter-laboratory collaboration focused on the stability of a variety of organic photovoltaic devices. <i>RSC Advances</i> , 2012, 2, 882-893.	1.7	108
44	Investigation of the degradation mechanisms of a variety of organic photovoltaic devices by combination of imaging techniques—the ISOS-3 inter-laboratory collaboration. <i>Energy and Environmental Science</i> , 2012, 5, 6521.	15.6	134
45	New Low-Bandgap Materials with Good Stabilities and Efficiencies Comparable to P3HT in R2R-Coated Solar Cells. <i>Advanced Energy Materials</i> , 2012, 2, 415-418.	10.2	52
46	Roll-to-Roll Coatings: New Low-Bandgap Materials with Good Stabilities and Efficiencies Comparable to P3HT in R2R-Coated Solar Cells (<i>Adv. Energy Mater.</i> 4/2012). <i>Advanced Energy Materials</i> , 2012, 2, 394-394.	10.2	0
47	Stability of Polymer Solar Cells. <i>Advanced Materials</i> , 2012, 24, 580-612.	11.1	1,249
48	Current Collecting Grids for ITO-Free Solar Cells. <i>Advanced Energy Materials</i> , 2012, 2, 103-110.	10.2	116
49	Organic Solar Cells: Current Collecting Grids for ITO-Free Solar Cells (<i>Adv. Energy Mater.</i> 1/2012). <i>Advanced Energy Materials</i> , 2012, 2, 169-169.	10.2	2
50	Photochemical stability of π -conjugated polymers for polymer solar cells: a rule of thumb. <i>Journal of Materials Chemistry</i> , 2011, 21, 4132.	6.7	236
51	The OE-A OPV demonstrator anno domini 2011. <i>Energy and Environmental Science</i> , 2011, 4, 4116.	15.6	183
52	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.	4.4	3
53	A self-calibrating LED-based solar test platform. <i>Progress in Photovoltaics: Research and Applications</i> , 2011, 19, 97-112.	4.4	43
54	Fabrication of Polymer Solar Cells Using Aqueous Processing for All Layers Including the Metal Back Electrode. <i>Advanced Energy Materials</i> , 2011, 1, 68-71.	10.2	221

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55	Roll-to-Roll Processing of Inverted Polymer Solar Cells using Hydrated Vanadium(V)Oxide as a PEDOT:PSS Replacement. <i>Materials</i> , 2011, 4, 169-182.	1.3	70
56	Low Band Gap Polymers for Roll-to-Roll Coated Organic Photovoltaics – Design, Synthesis and Characterization. <i>Green</i> , 2011, 1, .	0.4	9
57	Product integration of compact roll-to-roll processed polymer solar cell modules: methods and manufacture using flexographic printing, slot-die coating and rotary screen printing. <i>Journal of Materials Chemistry</i> , 2010, 20, 8994.	6.7	591
58	Developing a molecular platform for potential carbon dioxide fixing. <i>Frontiers of Chemical Engineering in China</i> , 2010, 4, 236-239.	0.6	0
59	Low Band Gap Polymers for Roll-to-Roll Coated Polymer Solar Cells. <i>Macromolecules</i> , 2010, 43, 8115-8120.	2.2	130
60	The teraton challenge. A review of fixation and transformation of carbon dioxide. <i>Energy and Environmental Science</i> , 2010, 3, 43-81.	15.6	1,929
61	Degradation of Polymer-Based OPV. , 0, , 143-162.		3