

Thomas M Brown

List of Publications by Year in descending order

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147
papers

8,817
citations

61857

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43802

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151
all docs

151
docs citations

151
times ranked

9821
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple and effective deposition method for solar cell perovskite films using a sheet of paper. <i>IScience</i> , 2022, 25, 103712.	1.9	9
2	Sustainable, Efficient, and Scalable Preparation of Pure and Performing Spiro-OMeTAD for Perovskite Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4750-4757.	3.2	17
3	Attributes of High-Performance Electron Transport Layers for Perovskite Solar Cells on Flexible PET versus on Glass. <i>ACS Applied Energy Materials</i> , 2022, 5, 4096-4107.	2.5	22
4	Carbazole-Pyridazine copolymers and their rhenium complexes: Effect of the molecular structure on the electronic properties. <i>European Polymer Journal</i> , 2022, 168, 111095.	2.6	0
5	Homogenization of Optical Field in Nanocrystal-Embedded Perovskite Composites. <i>ACS Energy Letters</i> , 2022, 7, 1657-1671.	8.8	4
6	Biological/metal oxide composite transport layers cast from green solvents for boosting light harvesting response of organic photovoltaic cells indoors. <i>Nanotechnology</i> , 2022, 33, 405404.	1.3	3
7	Method for fabricating flexible solar cell perovskite semiconductors via a sheet of paper applicator soaked in anti-solvent. , 2022, , .		0
8	Efficient fully blade-coated perovskite solar cells in air with nanometer-thick bathocuproine buffer layer. <i>Nano Research</i> , 2021, 14, 1034-1042.	5.8	29
9	Inverted organic photovoltaics with a solution-processed ZnO/MgO electron transport bilayer. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3901-3910.	2.7	8
10	Laser-Scribing Optimization for Sprayed SnO ₂ -Based Perovskite Solar Modules on Flexible Plastic Substrates. <i>ACS Applied Energy Materials</i> , 2021, 4, 4507-4518.	2.5	31
11	A Perspective on the Commercial Viability of Perovskite Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2100401.	3.1	33
12	A Perspective on the Commercial Viability of Perovskite Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2170113.	3.1	10
13	Thermosetting Polyurethane Resins as Low-Cost, Easily Scalable, and Effective Oxygen and Moisture Barriers for Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 54862-54875.	4.0	30
14	Colour-sensitive conjugated polymer inkjet-printed pixelated artificial retina model studied via a bio-hybrid photovoltaic device. <i>Scientific Reports</i> , 2020, 10, 21457.	1.6	13
15	Perovskite Photovoltaics on Roll-To-Roll Coated Ultra-thin Glass as Flexible High-Efficiency Indoor Power Generators. <i>Cell Reports Physical Science</i> , 2020, 1, 100045.	2.8	66
16	Quantifying Performance of Permeation Barrier Encapsulation Systems for Flexible and Glass-Based Electronics and Their Application to Perovskite Solar Cells. <i>Advanced Electronic Materials</i> , 2019, 5, 1800978.	2.6	42
17	Low-Temperature Solution-Processed Thin SnO ₂ /Al ₂ O ₃ Double Electron Transport Layers Toward 20% Efficient Perovskite Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2019, 9, 1309-1315.	1.5	21
18	Printed Solar Cells and Energy Storage Devices on Paper Substrates. <i>Advanced Functional Materials</i> , 2019, 29, 1806798.	7.8	125

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19	Development of Highly Bendable Transparent Window Electrodes Based on MoO _x , SnO ₂ , and Au Dielectric/Metal/Dielectric Stacks: Application to Indium Tin Oxide (ITO)-Free Perovskite Solar Cells. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	20
20	Enhanced Charge Separation Efficiency in DNA Templated Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2018, 28, 1707126.	7.8	25
21	Highly efficient perovskite solar cells for light harvesting under indoor illumination via solution processed SnO ₂ /MgO composite electron transport layers. <i>Nano Energy</i> , 2018, 49, 290-299.	8.2	205
22	Efficient fully laser-patterned flexible perovskite modules and solar cells based on low-temperature solution-processed SnO ₂ /mesoporous-TiO ₂ electron transport layers. <i>Nano Research</i> , 2018, 11, 2669-2681.	5.8	116
23	Low temperature, solution-processed perovskite solar cells and modules with an aperture area efficiency of 11%. <i>Solar Energy Materials and Solar Cells</i> , 2018, 185, 136-144.	3.0	49
24	Polymer Solar Cells: Enhanced Charge Separation Efficiency in DNA Templated Polymer Solar Cells (Adv. Funct. Mater. 26/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870181.	7.8	2
25	Perovskite Solar Cells: A Photovoltaic Technology With Outstanding Light-Harvesting Capabilities Under Indoor Illumination. , 2018, , .		0
26	Advances in hole transport materials engineering for stable and efficient perovskite solar cells. <i>Nano Energy</i> , 2017, 34, 271-305.	8.2	362
27	Efficient light harvesting from flexible perovskite solar cells under indoor white light-emitting diode illumination. <i>Nano Research</i> , 2017, 10, 2130-2145.	5.8	97
28	Plasma-assisted atomic layer deposition of TiO ₂ compact layers for flexible mesostructured perovskite solar cells. <i>Solar Energy</i> , 2017, 150, 447-453.	2.9	37
29	On the Role of PTB7-Th:[70]PCBM Blend Concentration in ortho-Xylene on Polymer Solar Cell Performance. <i>Energy Technology</i> , 2017, 5, 2168-2174.	1.8	10
30	Perovskite solar cells on paper and the role of substrates and electrodes on performance. <i>IEEE Electron Device Letters</i> , 2017, 38, 1278-1281.	2.2	60
31	Coating ZnO nanoparticle films with DNA nanolayers for enhancing the electron extracting properties and performance of polymer solar cells. <i>Nanoscale</i> , 2017, 9, 19031-19038.	2.8	39
32	High efficiency photovoltaic module based on mesoscopic organometal halide perovskite. <i>Progress in Photovoltaics: Research and Applications</i> , 2016, 24, 436-445.	4.4	112
33	Research Update: Large-area deposition, coating, printing, and processing techniques for the upscaling of perovskite solar cell technology. <i>APL Materials</i> , 2016, 4, .	2.2	189
34	Laser Processing in the Manufacture of Dye-Sensitized and Perovskite Solar Cell Technologies. <i>ChemElectroChem</i> , 2016, 3, 9-30.	1.7	67
35	A Systematic Investigation of Permeation Barriers for Flexible Dye-Sensitized Solar Cells. <i>Energy Technology</i> , 2016, 4, 1455-1462.	1.8	16
36	Progress, challenges and perspectives in flexible perovskite solar cells. <i>Energy and Environmental Science</i> , 2016, 9, 3007-3035.	15.6	345

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37	Solar Cells Incorporating Water/Alcohol-Soluble Electron-Extracting DNA Nanolayers. ACS Energy Letters, 2016, 1, 510-515.	8.8	36
38	Electron-collecting oxide layers in inverted polymer solar cells via oxidation of thermally evaporated titanium. Semiconductor Science and Technology, 2016, 31, 105003.	1.0	0
39	Synthetic Routes to TEG-Substituted Diketopyrrolopyrrole-Based Low Band-Gap Polymers. European Journal of Organic Chemistry, 2016, 2016, 3233-3242.	1.2	29
40	Mesoporous perovskite solar cells and the role of nanoscale compact layers for remarkable all-round high efficiency under both indoor and outdoor illumination. Nano Energy, 2016, 30, 460-469.	8.2	103
41	New dinuclear hydrido-carbonyl rhenium complexes designed as photosensitizers in dye-sensitized solar cells. New Journal of Chemistry, 2016, 40, 2910-2919.	1.4	24
42	Emerging Thin-Film Photovoltaics: Stabilize or Perish. Advanced Energy Materials, 2015, 5, .	10.2	3
43	Procedures and Practices for Evaluating Thin-Film Solar Cell Stability. Advanced Energy Materials, 2015, 5, 1501407.	10.2	137
44	Inverted Bulk-Heterojunction Solar Cells using Polyethylenimine-Ethoxylated Processed from a Fully Aqueous Dispersion as Electron-Transport Layer. Energy Technology, 2015, 3, 1152-1158.	1.8	3
45	Degradation mechanisms of dye-sensitized solar cells: Light, bias and temperature effects. , 2015, , .		2
46	Flexible Perovskite Photovoltaic Modules and Solar Cells Based on Atomic Layer Deposited Compact Layers and UV-Irradiated TiO ₂ Scaffolds on Plastic Substrates. Advanced Energy Materials, 2015, 5, 1401808.	10.2	241
47	Influence of the interface material layers and semiconductor energetic disorder on the open circuit voltage in polymer solar cells. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 690-699.	2.4	39
48	Role of morphology and crystallinity of nanorod and planar electron transport layers on the performance and long term durability of perovskite solar cells. Journal of Power Sources, 2015, 283, 61-67.	4.0	106
49	Characterization of photovoltaic devices for indoor light harvesting and customization of flexible dye solar cells to deliver superior efficiency under artificial lighting. Applied Energy, 2015, 156, 413-422.	5.1	197
50	Vertical TiO ₂ Nanorods as a Medium for Stable and High-Efficiency Perovskite Solar Modules. ACS Nano, 2015, 9, 8420-8429.	7.3	174
51	TCO-free flexible organo metal trihalide perovskite planar-heterojunction solar cells. Solar Energy Materials and Solar Cells, 2015, 140, 150-157.	3.0	72
52	Spray Coating for Polymer Solar Cells: An Up-to-Date Overview. Energy Technology, 2015, 3, 385-406.	1.8	69
53	Metal-free synthesis of bithiophene-core donor acceptor organic photosensitizers for dye-sensitized solar cells. Tetrahedron, 2015, 71, 7260-7266.	1.0	9
54	Flexible photovoltaics for light harvesting under LED lighting. , 2015, , .		10

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55	Solid state perovskite solar modules by vacuum-vapor assisted sequential deposition on Nd:YVO ₄ laser patterned rutile TiO ₂ nanorods. Nanotechnology, 2015, 26, 494002.	1.3	26
56	8.7% Power conversion efficiency polymer solar cell realized with non-chlorinated solvents. Solar Energy Materials and Solar Cells, 2015, 134, 194-198.	3.0	42
57	Perovskite solar cells and large area modules (100 cm ²) based on an air flow-assisted PbI ₂ blade coating deposition process. Journal of Power Sources, 2015, 277, 286-291.	4.0	332
58	Comparative analysis of the outdoor performance of a dye solar cell mini-panel for building integrated photovoltaics applications. Progress in Photovoltaics: Research and Applications, 2015, 23, 215-225.	4.4	38
59	Electrodeposited cobalt sulfide hole collecting layer for polymer solar cells. Applied Physics Letters, 2014, 105, 063304.	1.5	3
60	Mesoscopic perovskite solar cells and modules. , 2014, , .		2
61	Large-Area Electrodeposition of Counterelectrodes Utilizing the Same Integrated Conductive Grid for Fabrication of Parallel Flexible Dye Solar Cell Modules. IEEE Journal of Photovoltaics, 2014, 4, 1552-1559.	1.5	13
62	Laser processing of TiO ₂ films for dye solar cells: a thermal, sintering, throughput and embodied energy investigation. Progress in Photovoltaics: Research and Applications, 2014, 22, 308-317.	4.4	34
63	Outdoor and diurnal performance of large conformal flexible metal/plastic dye solar cells. Applied Energy, 2014, 113, 1155-1161.	5.1	24
64	Solid state dye solar cell modules. Journal of Power Sources, 2014, 246, 361-364.	4.0	16
65	Taking Temperature Processing Out of Dye-Sensitized Solar Cell Fabrication: Fully Laser-Manufactured Devices. Advanced Energy Materials, 2014, 4, 1400421.	10.2	30
66	High efficiency CH ₃ NH ₃ PbI _{3-x} Cl _x perovskite solar cells with poly(3-hexylthiophene) hole transport layer. Journal of Power Sources, 2014, 251, 152-156.	4.0	179
67	Atomic Layer Deposition of Highly Transparent Platinum Counter Electrodes for Metal/Polymer Flexible Dye-Sensitized Solar Cells. Advanced Energy Materials, 2014, 4, 1300831.	10.2	28
68	Thermally induced structural modifications of nano-sized anatase films and the effects on the dye-TiO ₂ surface interactions. Applied Surface Science, 2014, 296, 69-78.	3.1	13
69	Solid-state solar modules based on mesoscopic organometal halide perovskite: a route towards the up-scaling process. Physical Chemistry Chemical Physics, 2014, 16, 3918.	1.3	158
70	Spray-Coated Polymer Solar Cells based on Low-Band-Gap Donors Processed with <i>ortho</i> -Xylene. Energy Technology, 2014, 2, 786-791.	1.8	11
71	Progress in flexible dye solar cell materials, processes and devices. Journal of Materials Chemistry A, 2014, 2, 10788-10817.	5.2	135
72	A perspective on the production of dye-sensitized solar modules. Energy and Environmental Science, 2014, 7, 3952-3981.	15.6	381

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73	Effect of electrolyte bleaching on the stability and performance of dye solar cells. Physical Chemistry Chemical Physics, 2014, 16, 6092.	1.3	50
74	Estimation of Energy Production of Dye-Sensitized Solar Cell Modules for Building-Integrated Photovoltaic Applications. Energy Technology, 2014, 2, 531-541.	1.8	38
75	Micro-Raman analysis of reverse bias stressed dye-sensitized solar cells. RSC Advances, 2014, 4, 12366.	1.7	25
76	Influence of encapsulation materials on the optical properties and conversion efficiency of heat-sealed flexible polymer solar cells. Surface and Coatings Technology, 2014, 255, 69-73.	2.2	13
77	Realization of high performance large area Z-series-interconnected opaque dye solar cell modules. Progress in Photovoltaics: Research and Applications, 2013, 21, 1653-1658.	4.4	40
78	Blending CoS and Pt for amelioration of electrodeposited transparent counterelectrodes and the efficiency of back-illuminated dye solar cells. Journal of Materials Chemistry A, 2013, 1, 12941.	5.2	34
79	Integrated tandem dye solar cells. RSC Advances, 2013, 3, 20273.	1.7	21
80	Angular refractive path for optical enhancement and evaluation of dye solar cells. Solar Energy, 2013, 98, 553-560.	2.9	3
81	Acceleration factor for ageing measurement of dye solar cells. Microelectronics Reliability, 2013, 53, 279-281.	0.9	11
82	Fabrication of Fully-Spray-Processed Organic Photovoltaic Modules by using an Automated Process in Air. Energy Technology, 2013, 1, 757-762.	1.8	27
83	Study of the effects of UV-exposure on dye-sensitized solar cells. , 2013, , .		3
84	Fabrication of Spacer and Catalytic Layers in Monolithic Dye-Sensitized Solar Cells. IEEE Journal of Photovoltaics, 2013, 3, 1004-1011.	1.5	31
85	Comparison between positive and negative constant current stress on dye-sensitized solar cells. Microelectronics Reliability, 2013, 53, 1804-1808.	0.9	4
86	Interferometric study of microchamber in large area dye solar cells. Solar Energy, 2013, 95, 246-254.	2.9	4
87	Blocking layer optimisation of poly(3-hexylthiophene) based Solid State Dye Sensitized Solar Cells. Organic Electronics, 2013, 14, 1882-1890.	1.4	38
88	Formulations and processing of nanocrystalline TiO ₂ films for the different requirements of plastic, metal and glass dye solar cell applications. Nanotechnology, 2013, 24, 255401.	1.3	20
89	Fully Plastic Dye Solar Cell Devices by Low-Temperature UV-irradiation of both the Mesoporous TiO ₂ Photo- and Platinized Counter-Electrodes. Advanced Energy Materials, 2013, 3, 1292-1298.	10.2	67
90	Emission spectra and transient photovoltage in dye-sensitized solar cells under stress tests. Journal of Applied Electrochemistry, 2013, 43, 209-215.	1.5	13

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91	Interplay between transparency and efficiency in dye sensitized solar cells. Optics Express, 2013, 21, 3235.	1.7	33
92	Airbrush Spray Coating of Amorphous Titanium Dioxide for Inverted Polymer Solar Cells. International Journal of Photoenergy, 2012, 2012, 1-5.	1.4	16
93	Efficient Cosensitization Strategy for Dye-Sensitized Solar Cells. Applied Physics Express, 2012, 5, 022303.	1.1	17
94	Reverse Bias Degradation in Shadowed Devices in TiO ₂ Dye-Sensitized Solar Cell Modules. Materials Research Society Symposia Proceedings, 2012, 1442, 40.	0.1	0
95	Raster Scanning Laser and UV Processing of nanocrystalline TiO ₂ Films for Sintering in Dye Solar Cells: Device Performance, Throughput and Embodied Energy. Materials Research Society Symposia Proceedings, 2012, 1447, 33.	0.1	0
96	Reverse bias degradation in dye solar cells. Applied Physics Letters, 2012, 101, 123302.	1.5	24
97	Correlation between Cell Performance and Physical Transport Parameters in Dye Solar Cells. Journal of Physical Chemistry C, 2012, 116, 1151-1157.	1.5	25
98	Physical and Electrochemical Analysis of an Indoor“Outdoor Ageing Test of Large“Area Dye Solar Cell Devices. ChemPhysChem, 2012, 13, 2925-2936.	1.0	49
99	Reliability study of dye-sensitized solar cells by means of solar simulator and white LED. Microelectronics Reliability, 2012, 52, 2495-2499.	0.9	12
100	Fabrication and reliability of dye solar cells: A resonance Raman scattering study. Microelectronics Reliability, 2012, 52, 2487-2489.	0.9	15
101	Electrochemistry in Reverse Biased Dye Solar Cells and Dye/Electrolyte Degradation Mechanisms. ChemPhysChem, 2012, 13, 2964-2975.	1.0	34
102	Reliability Study of Ruthenium-Based Dye-Sensitized Solar Cells (DSCs). IEEE Journal of Photovoltaics, 2012, 2, 27-34.	1.5	16
103	Optical stress and reliability study of ruthenium-based dye-sensitized solar cells (DSSC). , 2011, , .		0
104	Synthesis of a novel unsymmetrical Zn(<sc>ii</sc>) phthalocyanine bearing a phenyl ethynyl moiety as sensitizer for dye-sensitized solar cells. Dalton Transactions, 2011, 40, 38-40.	1.6	16
105	Thermal stress effects on Dye-Sensitized Solar Cells (DSSCs). Microelectronics Reliability, 2011, 51, 1762-1766.	0.9	36
106	Series-Connection Designs for Dye Solar Cell Modules. IEEE Transactions on Electron Devices, 2011, 58, 2759-2764.	1.6	50
107	Laser-Sintered TiO_2 Films for Dye Solar Cell Fabrication: An Electrical, Morphological, and Electron Lifetime Investigation. IEEE Transactions on Electron Devices, 2011, 58, 3179-3188.	1.6	25
108	PSICE models for Dye solar cells and modules. , 2011, , .		3

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109	Substrates for flexible electronics: A practical investigation on the electrical, film flexibility, optical, temperature, and solvent resistance properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 638-648.	2.4	471
110	Time dependence and freezing-in of the electrode oxygen plasma-induced work function enhancement in polymer semiconductor heterostructures. <i>Organic Electronics</i> , 2011, 12, 623-633.	1.4	50
111	Airbrush spray-coating of polymer bulk-heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 1775-1778.	3.0	117
112	Angular response of dye solar cells to solar and spectrally resolved light. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	27
113	Photocurrent enhancement of dye solar cells by efficient light management. <i>Superlattices and Microstructures</i> , 2010, 47, 197-201.	1.4	6
114	Multiscale Modeling of Dye Solar Cells and Comparison With Experimental Data. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 1611-1618.	1.9	24
115	Analysis and simulation of incident photon to current efficiency in dye sensitized solar cells. <i>Superlattices and Microstructures</i> , 2010, 47, 192-196.	1.4	12
116	Bridged Phthalocyanine Systems for Sensitization of Nanocrystalline TiO ₂ Films. <i>International Journal of Photoenergy</i> , 2010, 2010, 1-11.	1.4	13
117	Optimization of nanostructured titania photoanodes for dye-sensitized solar cells: Study and experimentation of TiCl ₄ treatment. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 1958-1961.	1.5	88
118	Stability of dye-sensitized solar cells under light soaking test. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 2049-2052.	1.5	20
119	Angular and prism coupling refractive enhancement in dye solar cells. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	26
120	Thermal activation of mass transport and charge transfer at Pt in the I ³ ⁺ /I ⁺ electrolyte of a dye-sensitized solar cell. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10786.	1.3	10
121	Efficient sintering of nanocrystalline titanium dioxide films for dye solar cells via raster scanning laser. <i>Applied Physics Letters</i> , 2009, 95, 103312.	1.5	49
122	Using EIS for diagnosis of dye-sensitized solar cells performance. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 2291-2295.	1.5	79
123	Plasmon polaritons in the near infrared on fluorine doped tin oxide films. <i>Optics Express</i> , 2009, 17, 10155.	1.7	59
124	Laser sintering of photoelectrode layers for Dye Solar Cell technology. , 2009, , .		0
125	On the effect of Al ₂ O ₃ blocking layer on the performance of dye solar cells with cobalt based electrolytes. <i>Applied Physics Letters</i> , 2009, 94, 173113.	1.5	36
126	The Built-in Potential in Blue Polyfluorene-based Light-Emitting Diodes. <i>Advanced Materials</i> , 2008, 20, 2410-2415.	11.1	21

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127	The impact of outdoor meteorological parameters on the performance of dye-sensitized solar cells. Conference Record of the IEEE Photovoltaic Specialists Conference, 2008, , .	0.0	2
128	Effects of power converters on dye-sensitized solar cells. , 2007, , .		2
129	Nanocomposites for organic and hybrid organic-inorganic solar cells. , 2006, 6334, 139.		4
130	A scalable manufacturing process for flexible active-matrix e-paper displays. Journal of the Society for Information Display, 2005, 13, 583.	0.8	44
131	Contact optimization in polymer light-emitting diodes. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 2649-2664.	2.4	55
132	Electronic line-up in light-emitting diodes with alkali-halide/metal cathodes. Journal of Applied Physics, 2003, 93, 6159-6172.	1.1	144
133	Cathodes incorporating thin fluoride layers for efficient injection in blue polymer light-emitting diodes. , 2002, , .		3
134	Efficient electron injection in blue-emitting polymer light-emitting diodes with LiF/Ca/Al cathodes. Applied Physics Letters, 2001, 79, 174-176.	1.5	147
135	The influence of LiF thickness on the built-in potential of blue polymer light-emitting diodes with LiF/Al cathodes. Synthetic Metals, 2001, 124, 15-17.	2.1	16
136	Energy level line-up in polymer light-emitting diodes via electroabsorption spectroscopy. IEE Proceedings: Optoelectronics, 2001, 148, 74-80.	0.8	11
137	Molecular-scale interface engineering for polymer light-emitting diodes. Nature, 2000, 404, 481-484.	13.7	764
138	Determination of the concentration of hot-carrier-induced bulk defects in laser-recrystallized polysilicon thin film transistors. Applied Physics Letters, 2000, 76, 1024-1026.	1.5	23
139	Surface and bulk phenomena in conjugated polymers devices. Synthetic Metals, 2000, 109, 7-11.	2.1	26
140	Effect of poly(3,4-ethylene dioxythiophene) on the built-in field in polymer light-emitting diodes probed by electroabsorption spectroscopy. Synthetic Metals, 2000, 111-112, 285-287.	2.1	26
141	LiF/Al cathodes and the effect of LiF thickness on the device characteristics and built-in potential of polymer light-emitting diodes. Applied Physics Letters, 2000, 77, 3096-3098.	1.5	154
142	Injecting Inter-Layers and the Built-in Potential of Blue Polymer Light-Emitting Diodes. Materials Research Society Symposia Proceedings, 2000, 660, 1.	0.1	0
143	Built-in field electroabsorption spectroscopy of polymer light-emitting diodes incorporating a doped poly(3,4-ethylene dioxythiophene) hole injection layer. Applied Physics Letters, 1999, 75, 1679-1681.	1.5	492
144	Investigation of the low field leakage current mechanism in polysilicon TFT's. IEEE Transactions on Electron Devices, 1998, 45, 213-217.	1.6	20

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145	Electronic states and band lineups in c-Si(100)/a-Si _{1-x} C _x :H heterojunctions. Physical Review B, 1997, 55, 9904-9909.	1.1	24
146	Polyurethanes as low cost and efficient encapsulants for Perovskite Solar Cells. , 0, , .		0
147	An efficient Buchwald-Hartwig amination protocol enables the synthesis of new branched and polymeric hole transport materials for perovskite solar cells. Energy Advances, 0, , .	1.4	3