Donal D C Bradley

List of Publications by Year
in descending order

605	69,983	807 118	750 250
papers	citations	h-index	g-index

609	609	609	31108
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Planar refractive index patterning through microcontact photo-thermal annealing of a printable organic/inorganic hybrid material. Materials Horizons, 2022, 9, 411-416.	6.4	4
2	Slow Energy Transfer in Selfâ€Doped Î²â€Conformation Film of Steric Polydiarylfluorenes toward Stable Dual Deepâ€Blue Amplified Spontaneous Emission. Advanced Optical Materials, 2022, 10, 2100723.	3.6	8
3	Properties and Applications of Copper(I) Thiocyanate Holeâ€Transport Interlayers Processed from Different Solvents. Advanced Electronic Materials, 2022, 8, .	2.6	9
4	Optimizing Interfacial Energetics for Conjugated Polyelectrolyte Electron Injection Layers in High Efficiency and Fast Responding Polymer Light Emitting Diodes. ACS Applied Materials & Interfaces, 2022, 14, 24668-24680.	4.0	1
5	Twoâ€Photon Laserâ€Written Photoalignment Layers for Patterning Liquid Crystalline Conjugated Polymer Orientation. Advanced Functional Materials, 2021, 31, 2007493.	7.8	12
6	Chain Conformation Control of Fluorene-Benzothiadiazole Copolymer Light-Emitting Diode Efficiency and Lifetime. ACS Applied Materials & Interfaces, 2021, 13, 2919-2931.	4.0	6
7	Giant clam inspired high-speed photo-conversion for ultraviolet optical wireless communication. Optical Materials Express, 2021, 11, 1515.	1.6	2
8	Significant Performance Improvement in nâ€Channel Organic Fieldâ€Effect Transistors with C₆₀:C₇₀ Coâ€Crystals Induced by Poly(2â€ethylâ€2â€oxazoline) Nanodots. Advanced Materials, 2021, 33, e2100421.	11.1	9
9	Phenothiazine-benzimidazole based architecture as an efficient interfacial charge transport layer for perovskite blue light emitting diodes. , 2021, , .		0
10	Organic-inorganic hybrid composites as an electron injection layer in highly efficient inverted green-emitting polymer LEDs. Organic Electronics, 2020, 77, 105496.	1.4	5
11	Polymer Lightâ€Emitting Transistors With Chargeâ€Carrier Mobilities Exceeding 1 cm² V^{â^'1} s^{â^'1}. Advanced Electronic Materials, 2020, 6, 1901132.	2.6	8
12	Bottom Contact Metal Oxide Interface Modification Improving the Efficiency of Organic Light Emitting Diodes. Materials, 2020, 13, 5082.	1.3	6
13	Transmissivity and Reflectivity of a Transverseâ€Electric Polarized Wave Incident on a Microcavity Containing Strongly Coupled Excitons with Inâ€plane Uniaxially Oriented Transition Dipole Moments. Physica Status Solidi (B): Basic Research, 2020, 257, 2000235.	0.7	1
14	Azobenzene Sulphonic Dye Photoalignment as a Means to Fabricate Liquid Crystalline Conjugated Polymer Chainâ€Orientationâ€Based Optical Structures. Advanced Optical Materials, 2020, 8, 1901958.	3.6	9
15	Enhanced and Polarization-Dependent Coupling for Photoaligned Liquid Crystalline Conjugated Polymer Microcavities. ACS Photonics, 2020, 7, 746-758.	3.2	12
16	Emission Enhanced and Stabilized by Stereoisomeric Strategy in Hierarchical Uniform Supramolecular Framework. CheM, 2019, 5, 2470-2483.	5.8	45
17	Efficient and Stable Solution-Processed Organic Light-Emitting Transistors Using a High-k Dielectric. ACS Photonics, 2019, 6, 3159-3165.	3.2	11
18	Poly(2-alkyl-2-oxazoline) electrode interlayers for improved n-type organic field effect transistor performance. Applied Physics Letters, 2019, 115, .	1.5	9

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19	Nano-crater morphology in hybrid electron-collecting buffer layers for high efficiency polymer:nonfullerene solar cells with enhanced stability. Nanoscale Horizons, 2019, 4, 464-471.	4.1	18
20	Fully Solutionâ€Processed Photonic Structures from Inorganic/Organic Molecular Hybrid Materials and Commodity Polymers. Advanced Functional Materials, 2019, 29, 1808152.	7.8	14
21	Hierarchical Uniform Supramolecular Conjugated Spherulites with Suppression of Defect Emission. IScience, 2019, 16, 399-409.	1.9	30
22	The Importance of Microstructure in Determining Polaron Generation Yield in Poly(9,9-dioctylfluorene). Chemistry of Materials, 2019, 31, 6787-6797.	3.2	16
23	Lightâ€Emitting Transistors Based on Solutionâ€Processed Heterostructures of Selfâ€Organized Multipleâ€Quantumâ€Well Perovskite and Metalâ€Oxide Semiconductors. Advanced Electronic Materials, 2019, 5, 1800985.	2.6	18
24	Hybrid organicâ€“metal oxide multilayer channel transistors with high operational stability. Nature Electronics, 2019, 2, 587-595.	13.1	49
25	Ultrastable Supramolecular Selfâ€Encapsulated Wideâ€Bandgap Conjugated Polymers for Largeâ€Area and Flexible Electroluminescent Devices. Advanced Materials, 2019, 31, e1804811.	11.1	72
26	Controlling Molecular Conformation for Highly Efficient and Stable Deep-Blue Copolymer Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 11070-11082.	4.0	20
27	Lasing: Host Exciton Confinement for Enhanced FÃ¶rster-Transfer-Blend Gain Media Yielding Highly Efficient Yellow-Green Lasers (Adv. Funct. Mater. 17/2018). Advanced Functional Materials, 2018, 28, 1870115.	7.8	1
28	Host Exciton Confinement for Enhanced FÃ¶rsterâ€Transferâ€Blend Gain Media Yielding Highly Efficient Yellowâ€Green Lasers. Advanced Functional Materials, 2018, 28, 1705824.	7.8	39
29	Systematic investigation of self-organization behavior in supramolecular Ï€-conjugated polymer for multi-color electroluminescence. Journal of Materials Chemistry C, 2018, 6, 1535-1542.	2.7	24
30	Photophysical and Fluorescence Anisotropic Behavior of Polyfluorene Î²-Conformation Films. Journal of Physical Chemistry Letters, 2018, 9, 364-372.	2.1	74
31	Pronounced Side Chain Effects in Triple Bond-Conjugated Polymers Containing Naphthalene Diimides for n-Channel Organic Field-Effect Transistors. ACS Applied Materials & Interfaces, 2018, 10, 12921-12929.	4.0	20
32	Low-Voltage Solution-Processed Hybrid Light-Emitting Transistors. ACS Applied Materials & Interfaces, 2018, 10, 18445-18449.	4.0	22
33	Large-area plastic nanogap electronics enabled by adhesion lithography. Npj Flexible Electronics, 2018, 2, .	5.1	29
34	Photovoltaic limitations of BODIPY:fullerene based bulk heterojunction solar cells. Synthetic Metals, 2017, 226, 25-30.	2.1	14
35	Efficient Deep Red Light-Sensing All-Polymer Phototransistors with p-type/n-type Conjugated Polymer Bulk Heterojunction Layers. ACS Applied Materials & Interfaces, 2017, 9, 14983-14989.	4.0	44
36	Thermally Stable Zinc Disalphen Macrocycles Showing Solid-State and Aggregation-Induced Enhanced Emission. Inorganic Chemistry, 2017, 56, 5688-5695.	1.9	17

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37	Polyacetylene-based polyelectrolyte as a universal interfacial layer for efficient inverted polymer solar cells. Organic Electronics, 2017, 48, 61-67.	1.4	36
38	Electron Hopping Across Heminâ€Doped Serum Albumin Mats on Centimeterâ€Length Scales. Advanced Materials, 2017, 29, 1700810.	11.1	26
39	Understanding the molecular gelation processes of heteroatomic conjugated polymers for stable blue polymer light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 6762-6770.	2.7	19
40	Influence of the Hole Transporting Layer on the Thermal Stability of Inverted Organic Photovoltaics Using Accelerated-Heat Lifetime Protocols. ACS Applied Materials & Interfaces, 2017, 9, 14136-14144.	4.0	43
41	Steric-Hindrance-Functionalized Polydiarylfluorenes: Conformational Behavior, Stabilized Blue Electroluminescence, and Efficient Amplified Spontaneous Emission. ACS Applied Materials & Interfaces, 2017, 9, 37856-37863.	4.0	43
42	Thickness Effect of Bulk Heterojunction Layers on the Performance and Stability of Polymer:Fullerene Solar Cells with Alkylthiothiophene-Containing Polymer. ACS Sustainable Chemistry and Engineering, 2017, 5, 9263-9270.	3.2	10
43	A new flexible venue. Npj Flexible Electronics, 2017, 1, .	5.1	4
44	1 GHz Pentacene Diode Rectifiers Enabled by Controlled Film Deposition on SAMâ€Treated Au Anodes. Advanced Electronic Materials, 2016, 2, 1500282.	2.6	48
45	Chargeâ€Carrier Density Independent Mobility in Amorphous Fluoreneâ€Triarylamine Copolymers. Advanced Functional Materials, 2016, 26, 3720-3729.	7.8	21
46	Nanoscale current spreading analysis in solution-processed graphene oxide/silver nanowire transparent electrodes via conductive atomic force microscopy. Journal of Applied Physics, 2016, 119, .	1.1	14
47	Longâ€Range Proton Conduction across Freeâ€Standing Serum Albumin Mats. Advanced Materials, 2016, 28, 2692-2698.	11.1	65
48	Spectroscopic properties of poly(9,9â€dioctylfluorene) thin films possessing varied fractions of Î²â€phase chain segments: enhanced photoluminescence efficiency via conformation structuring. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1995-2006.	2.4	69
49	All-polymer phototransistors with bulk heterojunction sensing layers of thiophene-based electron-donating and thienopyrroledione-based electron-accepting polymers. Organic Electronics, 2016, 39, 199-206.	1.4	9
50	Heteroatomic Conjugated Polymers and the Spectral Tuning of Electroluminescence via a Supramolecular Coordination Strategy. Macromolecular Rapid Communications, 2016, 37, 1807-1813.	2.0	18
51	Supramolecular Polymerâ€“Molecule Complexes as Gain Media for Ultraviolet Lasers. ACS Macro Letters, 2016, 5, 967-971.	2.3	28
52	Significant Stability Enhancement in Highâ€Efficiency Polymer:Fullerene Bulk Heterojunction Solar Cells by Blocking Ultraviolet Photons from Solar Light. Advanced Science, 2016, 3, 1500269.	5.6	63
53	Ambipolar Organic Phototransistors with pâ€Type/nâ€Type Conjugated Polymer Bulk Heterojunction Lightâ€Sensing Layers. Advanced Electronic Materials, 2016, 2, 1600264.	2.6	46
54	>10% Efficiency Polymer:Fullerene Solar Cells with Polyacetyleneâ€Based Polyelectrolyte Interlayers. Advanced Materials Interfaces, 2016, 3, 1600415.	1.9	35

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55	Room temperature dielectric bistability in solution-processed spin crossover polymer thin films. Journal of Materials Chemistry C, 2016, 4, 6240-6248.	2.7	17
56	Strong molecular weight effects of gate-insulating memory polymers in low-voltage organic nonvolatile memory transistors with outstanding retention characteristics. NPG Asia Materials, 2016, 8, e235-e235.	3.8	23
57	Organic Phototransistors With All-Polymer Bulk Heterojunction Layers of p-Type and n-Type Sulfur-Containing Conjugated Polymers. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 147-153.	1.9	25
58	Solutionâ€crystallization and related phenomena in 9,9â€dialkylâ€fluorene polymers. II. Influence of sideâ€chain structure. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1492-1506.	2.4	20
59	Interplay between solid state microstructure and photophysics for poly(9,9â€dioctylfluorene) within oriented polyethylene hosts. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 22-38.	2.4	24
60	Broadband All-Polymer Phototransistors with Nanostructured Bulk Heterojunction Layers of NIR-Sensing n-Type and Visible Light-Sensing p-Type Polymers. Scientific Reports, 2015, 5, 16457.	1.6	45
61	Solutionâ€crystallization and related phenomena in 9,9â€dialkylâ€fluorene polymers. I. Crystalline polymerâ€solvent compound formation for poly(9,9â€dioctylfluorene). Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1481-1491.	2.4	21
62	Inverted polymer fullerene solar cells exceeding 10% efficiency with poly(2-ethyl-2-oxazoline) nanodots on electron-collecting buffer layers. Nature Communications, 2015, 6, 8929.	5.8	174
63	Dip-pen patterning of poly(9,9-dioctylfluorene) chain-conformation-based nano-photonic elements. Nature Communications, 2015, 6, 5977.	5.8	59
64	4H-1,2,6-Thiadiazin-4-one-containing small molecule donors and additive effects on their performance in solution-processed organic solar cells. Journal of Materials Chemistry C, 2015, 3, 2358-2365.	2.7	29
65	Solution-processed anthracene-based molecular glasses as stable blue-light-emission laser gain media. Organic Electronics, 2015, 18, 95-100.	1.4	26
66	Natures of optical absorption transitions and excitation energy dependent photostability of diketopyrrolopyrrole (DPP)-based photovoltaic copolymers. Energy and Environmental Science, 2015, 8, 3222-3232.	15.6	90
67	Pronounced Cosolvent Effects in Polymer:Polymer Bulk Heterojunction Solar Cells with Sulfur-Rich Electron-Donating and Imide-Containing Electron-Accepting Polymers. ACS Applied Materials & Interfaces, 2015, 7, 15995-16002.	4.0	22
68	Efficient organic solar cells using copper(I) iodide (CuI) hole transport layers. Applied Physics Letters, 2015, 106, .	1.5	73
69	Copper thiocyanate: An attractive hole transport/extraction layer for use in organic photovoltaic cells. Applied Physics Letters, 2015, 107, .	1.5	53
70	High-Efficiency Polymer LEDs with Fast Response Times Fabricated via Selection of Electron-Injecting Conjugated Polyelectrolyte Backbone Structure. ACS Applied Materials & Interfaces, 2015, 7, 26566-26571.	4.0	22
71	Highâ€Efficiency, Solutionâ€Processed, Multilayer Phosphorescent Organic Lightâ€Emitting Diodes with a Copper Thiocyanate Holeâ€Injection/Holeâ€Transport Layer. Advanced Materials, 2015, 27, 93-100.	11.1	178
72	Highâ€Efficiency Organic Photovoltaic Cells Based on the Solutionâ€Processable Hole Transporting Interlayer Copper Thiocyanate (CuSCN) as a Replacement for PEDOT:PSS. Advanced Energy Materials, 2015, 5, 1401529.	10.2	133

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73	Organic bioelectronics: general discussion. Faraday Discussions, 2014, 174, 413-428.	1.6	5
74	Molecular electronics: general discussion. Faraday Discussions, 2014, 174, 125-151.	1.6	4
75	Organic photovoltaics and energy: general discussion. Faraday Discussions, 2014, 174, 341-355.	1.6	2
76	Understanding the role of ultra-thin polymeric interlayers in improving efficiency of polymer light emitting diodes. Journal of Applied Physics, 2014, 115, .	1.1	15
77	Photonics: general discussion. Faraday Discussions, 2014, 174, 235-253.	1.6	0
78	Organic electronics and photonics: concluding remarks. Faraday Discussions, 2014, 174, 429-438.	1.6	11
79	Fluorene-based cathode interlayer polymers for high performance solution processed organic optoelectronic devices. Organic Electronics, 2014, 15, 1244-1253.	1.4	33
80	Charge mobility anisotropy of functionalized pentacenes in organic field effect transistors fabricated by solution processing. Journal of Materials Chemistry C, 2014, 2, 10110-10115.	2.7	34
81	Correlating Non-Geminate Recombination with Film Structure: A Comparison of Polythiophene: Fullerene Bilayer and Blend Films. Journal of Physical Chemistry Letters, 2014, 5, 3669-3676.	2.1	9
82	Advanced Ellipsometric Characterization of Conjugated Polymer Films. Advanced Functional Materials, 2014, 24, 2116-2134.	7.8	76
83	Ultrastrongly Coupled Excitonâ€“Polaritons in Metalâ€Clad Organic Semiconductor Microcavities. Advanced Optical Materials, 2013, 1, 827-833.	3.6	180
84	Red, Green, and Blue Lightâ€Emitting Polyfluorenes Containing a Dibenzothiopheneâ€S,Sâ€Dioxide Unit and Efficient Highâ€Colorâ€Renderingâ€Index Whiteâ€Lightâ€Emitting Diodes Made Therefrom. Advanced Functional Materials, 2013, 23, 4366-4376.	7.8	121
85	Paper No 19.2: Large-Area Printed Transparent Electrodes for Flexible Organic Light-Emitting Diodes. Digest of Technical Papers SID International Symposium, 2013, 44, 282-284.	0.1	0
86	Paper No P33: Largeâ€Area Printed Transparent Electrodes for Flexible Organic Lightâ€Emitting Diodes. Digest of Technical Papers SID International Symposium, 2013, 44, 112-114.	0.1	0
87	Confined Surface Plasmonâ€“Polariton Amplifiers. Nano Letters, 2013, 13, 1323-1329.	4.5	52
88	Investigation of a Conjugated Polyelectrolyte Interlayer for Inverted Polymer:Fullerene Solar Cells. Advanced Energy Materials, 2013, 3, 718-723.	10.2	92
89	Novel BODIPY-based conjugated polymers donors for organic photovoltaic applications. RSC Advances, 2013, 3, 10221.	1.7	33
90	The Effect of Organic and Metal Oxide Interfacial layers on the Performance of Inverted Organic Photovoltaics. Advanced Energy Materials, 2013, 3, 391-398.	10.2	40

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91	Understanding the Reduced Efficiencies of Organic Solar Cells Employing Fullerene Multiadducts as Acceptors. Advanced Energy Materials, 2013, 3, 744-752.	10.2	125
92	Location, Location, Location - Strategic Positioning of 2,1,3-Benzothiadiazole Units within Trigonal Quaterfluorene-Truxene Star-Shaped Structures. Advanced Functional Materials, 2013, 23, 2792-2804.	7.8	67
93	Efficient optical gain media comprising binary blends of poly(3-hexylthiophene) and poly(9,9-dioctylfluorene-co-benzothiadiazole). Journal of Applied Physics, 2012, 111, 123107.	1.1	44
94	Competition between the Charge Transfer State and the Singlet States of Donor or Acceptor Limiting the Efficiency in Polymer:Fullerene Solar Cells. Journal of the American Chemical Society, 2012, 134, 685-692.	6.6	238
95	Influence of energetic disorder on electroluminescence emission in polymer:fullerene solar cells. Physical Review B, 2012, 86, .	1.1	76
96	Spectroscopic and morphological investigation of conjugated photopolymerisable quinquethiophene liquid crystals. Current Applied Physics, 2012, 12, e59-e66.	1.1	4
97	Gravure printing inverted organic solar cells: The influence of ink properties on film quality and device performance. Solar Energy Materials and Solar Cells, 2012, 105, 77-85.	3.0	91
98	Fullerene/Cobalt Porphyrin Hybrid Nanosheets with Ambipolar Charge Transporting Characteristics. Journal of the American Chemical Society, 2012, 134, 7204-7206.	6.6	119
99	Highâ€Performance Metalâ€Free Solar Cells Using Stamp Transfer Printed Vapor Phase Polymerized Poly(3,4â€Ethylenedioxythiophene) Top Anodes. Advanced Functional Materials, 2012, 22, 1454-1460.	7.8	68
100	Correlating Emissive Nonâ€Geminate Charge Recombination with Photocurrent Generation Efficiency in Polymer/Perylene Diimide Organic Photovoltaic Blend Films. Advanced Functional Materials, 2012, 22, 2318-2326.	7.8	28
101	Fused pyrrolo[3,2-d:4,5-dâ€²]bisthiazole-containing polymers for using in high-performance organic bulk heterojunction solar cells. Solar Energy Materials and Solar Cells, 2012, 96, 112-116.	3.0	17
102	Organic phototransistors with nanoscale phase-separated polymer/polymer bulk heterojunction layers. Nanoscale, 2011, 3, 2275.	2.8	88
103	Low-voltage ZnO thin-film transistors based on Y2O3 and Al2O3 high-k dielectrics deposited by spray pyrolysis in air. Applied Physics Letters, 2011, 98, 123503.	1.5	122
104	Effect of Crystallization on the Electronic Energy Levels and Thin Film Morphology of P3HT:PCBM Blends. Macromolecules, 2011, 44, 2944-2952.	2.2	225
105	The Nature of In-Plane Skeleton Raman Modes of P3HT and Their Correlation to the Degree of Molecular Order in P3HT:PCBM Blend Thin Films. Journal of the American Chemical Society, 2011, 133, 9834-9843.	6.6	350
106	Surface and subsurface morphology of operating nanowire:fullerene solar cells revealed by photoconductive-AFM. Energy and Environmental Science, 2011, 4, 3646.	15.6	30
107	Plasmonic Sinks for the Selective Removal of Long-Lived States. ACS Nano, 2011, 5, 9958-9965.	7.3	44
108	Thin-Film Morphology of Inkjet-Printed Single-Droplet Organic Transistors Using Polarized Raman Spectroscopy: Effect of Blending TIPS-Pentacene with Insulating Polymer. ACS Nano, 2011, 5, 9824-9835.	7.3	118

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109	Surface plasmon coupled emission using conjugated light-emitting polymer films [Invited]. Optical Materials Express, 2011, 1, 1127.	1.6	12
110	Highly sensitive fluorescence detection system for microfluidic lab-on-a-chip. Lab on A Chip, 2011, 11, 1664.	3.1	77
111	Soluble fullerene derivatives: The effect of electronic structure on transistor performance and air stability. Journal of Applied Physics, 2011, 110, .	1.1	19
112	Effect of multiple adduct fullerenes on charge generation and transport in photovoltaic blends with poly(3â€hexylthiopheneâ€2,5â€diyl). Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 45-51.	2.4	59
113	The role of alkane dithiols in controlling polymer crystallization in small band gap polymer:Fullerene solar cells. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 717-724.	2.4	73
114	Structural and Electrical Characterization of ZnO Films Grown by Spray Pyrolysis and Their Application in Thinâ€Film Transistors. Advanced Functional Materials, 2011, 21, 525-531.	7.8	100
115	In-Situ Monitoring of the Solid-State Microstructure Evolution of Polymer:Fullerene Blend Films Using Field-Effect Transistors. Advanced Functional Materials, 2011, 21, 356-363.	7.8	37
116	Realâ€Time Investigation of Crystallization and Phaseâ€Segregation Dynamics in P3HT:PCBM Solar Cells During Thermal Annealing. Advanced Functional Materials, 2011, 21, 1701-1708.	7.8	207
117	Highâ€Mobility Lowâ€Voltage ZnO and Liâ€Doped ZnO Transistors Based on ZrO₂ Highâ€k Dielectric Grown by Spray Pyrolysis in Ambient Air. Advanced Materials, 2011, 23, 1894-1898.	11.1	217
118	Reduced Graphene Oxide Electrodes for Large Area Organic Electronics. Advanced Materials, 2011, 23, 1558-1562.	11.1	92
119	Wellâ€Defined and Monodisperse Linear and Starâ€Shaped Quaterfluoreneâ€DPP Molecules: the Significance of Conjugation and Dimensionality. Advanced Materials, 2011, 23, 2093-2097.	11.1	48
120	Efficient Organic Solar Cells with Solutionâ€Processed Silver Nanowire Electrodes. Advanced Materials, 2011, 23, 4371-4375.	11.1	513
121	Organic Semiconductor:Insulator Polymer Ternary Blends for Photovoltaics. Advanced Materials, 2011, 23, 4093-4097.	11.1	77
122	Impact of Fullerene Molecular Weight on P3HT:PCBM Microstructure Studied Using Organic Thinâ€Film Transistors. Advanced Energy Materials, 2011, 1, 1176-1183.	10.2	14
123	Percolation behaviour in high mobility p-channel polymer/small-molecule blend organic field-effect transistors. Organic Electronics, 2011, 12, 143-147.	1.4	46
124	Gravure printing for three subsequent solar cell layers of inverted structures on flexible substrates. Solar Energy Materials and Solar Cells, 2011, 95, 731-734.	3.0	115
125	Flexible multilayer inverted polymer light-emitting diodes with a gravure contact printed Cs2CO3 electron injection layer. Applied Physics Letters, 2011, 98, 103306.	1.5	18
126	A preliminary study of vapour-phase polymerized poly(3,4-ethylenedioxythiophene) as a transparent neural electrode. , 2011, , .		0

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127	Random lasing in low molecular weight organic thin films. Applied Physics Letters, 2011, 99, 041114.	1.5	24
128	Measurement of the diffusivity of fullerenes in polymers using bilayer organic field effect transistors. Physical Review B, 2011, 84, .	1.1	18
129	Gravure contact printing of flexible, high-performance polymer light emitting diodes for large-area displays and lighting. Materials Research Society Symposia Proceedings, 2011, 1340, 1.	0.1	1
130	A strong regioregularity effect in self-organizing conjugated polymer films and high-efficiency polythiophene: fullerene solar cells. , 2010, , 63-69.		6
131	Polymer Fieldâ€Effect Transistors Fabricated by the Sequential Gravure Printing of Polythiophene, Two Insulator Layers, and a Metal Ink Gate. Advanced Functional Materials, 2010, 20, 239-246.	7.8	122
132	Spinâ€and Sprayâ€Deposited Singleâ€Walled Carbonâ€Nanotube Electrodes for Organic Solar Cells. Advanced Functional Materials, 2010, 20, 2310-2316.	7.8	187
133	The Influence of Film Morphology in Highâ€Mobility Smallâ€Molecule:Polymer Blend Organic Transistors. Advanced Functional Materials, 2010, 20, 2330-2337.	7.8	120
134	Triplet Formation in Fullerene Multiâ€Adduct Blends for Organic Solar Cells and Its Influence on Device Performance. Advanced Functional Materials, 2010, 20, 2701-2708.	7.8	53
135	Airâ€Stable Solutionâ€Processed Hybrid Transistors with Hole and Electron Mobilities Exceeding 2 cm² V^{â^'1} s^{â^'1}. Advanced Materials, 2010, 22, 3598-3602.	11.1	56
136	Sprayâ€Deposited Liâ€Doped ZnO Transistors with Electron Mobility Exceeding 50 cm²/Vs. Advanced Materials, 2010, 22, 4764-4769.	11.1	105
137	Delayed Luminescence Spectroscopy of Organic Photovoltaic Binary Blend Films: Probing the Emissive Nonâ€geminate Charge Recombination. Advanced Materials, 2010, 22, 5183-5187.	11.1	24
138	2,3,7,8,12,13â€Hexaaryltruxenes: An orthoâ€Substituted Multiarm Design and Microwaveâ€Accelerated Synthesis toward Starburst Macromolecular Materials with Wellâ€Defined Ï€ Delocalization. Chemistry - A European Journal, 2010, 16, 8471-8479.	1.7	40
139	Micron-scale patterning of high conductivity poly(3,4-ethylendioxythiophene):poly(styrenesulfonate) for organic field-effect transistors. Organic Electronics, 2010, 11, 1307-1312.	1.4	33
140	Low-voltage ambipolar phototransistors based on a pentacene/PC61BM heterostructure and a self-assembled nano-dielectric. Organic Electronics, 2010, 11, 1250-1254.	1.4	98
141	High performance, flexible polymer light-emitting diodes (PLEDs) with gravure contact printed hole injection and light emitting layers. Organic Electronics, 2010, 11, 1088-1095.	1.4	68
142	Rapid Patterning of Singleâ€Wall Carbon Nanotubes by Interlayer Lithography. Small, 2010, 6, 2530-2534.	5.2	18
143	TiO 2 thin-film transistors fabricated by spray pyrolysis. Applied Physics Letters, 2010, 96, .	1.5	50
144	Device physics of highly sensitive thin film polyfluorene copolymer organic phototransistors. Journal of Applied Physics, 2010, 107, .	1.1	48

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145	Dependence of Charge Separation Efficiency on Film Microstructure in Poly(3-hexylthiophene-2,5-diyl):[6,6]-Phenyl-C₆₁ Butyric Acid Methyl Ester Blend Films. Journal of Physical Chemistry Letters, 2010, 1, 734-738.	2.1	102
146	Understanding the Influence of Morphology on Poly(3-hexylselenothiophene):PCBM Solar Cells. Macromolecules, 2010, 43, 1169-1174.	2.2	92
147	Solution-processed organic transistors based on semiconducting blends. Journal of Materials Chemistry, 2010, 20, 2562.	6.7	201
148	Electrical stability of PLEDs. , 2010, , .		0
149	Ambipolar organic transistors and near-infrared phototransistors based on a solution-processable squarilium dye. Journal of Materials Chemistry, 2010, 20, 3673.	6.7	77
150	Influence of alkyl chain length on charge transport in symmetrically substituted poly(2,5-dialkoxy-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (displ 2009, 79, .	1.1	20
151	Solution processed low-voltage organic transistors and complementary inverters. Applied Physics Letters, 2009, 95, .	1.5	30
152	White light emission via cascade FÃ¶rster energy transfer in (Ga, In)N quantum well/polymer blend hybrid structures. Nanotechnology, 2009, 20, 275207.	1.3	20
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