

# Donal D C Bradley

## List of Publications by Year in Descending Order

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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.

571  
papers

63,709  
citations

113  
h-index

239  
g-index

609  
ext. papers

66,557  
ext. citations

7.5  
avg, IF

7.33  
L-index

#	Paper	IF	Citations
571	Giant clam inspired high-speed photo-conversion for ultraviolet optical wireless communication. <i>Optical Materials Express</i> , <b>2021</b> , 11, 1515	2.6	2
570	Significant Performance Improvement in n-Channel Organic Field-Effect Transistors with C:C Co-Crystals Induced by Poly(2-ethyl-2-oxazoline) Nanodots. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100421	24	4
569	Two-Photon Laser-Written Photoalignment Layers for Patterning Liquid Crystalline Conjugated Polymer Orientation. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007493	15.6	7
568	Chain Conformation Control of Fluorene-Benzothiadiazole Copolymer Light-Emitting Diode Efficiency and Lifetime. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 2919-2931	9.5	2
567	Azobenzene Sulphonic Dye Photoalignment as a Means to Fabricate Liquid Crystalline Conjugated Polymer Chain-Orientation-Based Optical Structures. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1901958	8.1	8
566	Enhanced and Polarization-Dependent Coupling for Photoaligned Liquid Crystalline Conjugated Polymer Microcavities. <i>ACS Photonics</i> , <b>2020</b> , 7, 746-758	6.3	12
565	Polymer Light-Emitting Transistors With Charge-Carrier Mobilities Exceeding $1 \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$ . <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 1901132	6.4	6
564	Bottom Contact Metal Oxide Interface Modification Improving the Efficiency of Organic Light Emitting Diodes. <i>Materials</i> , <b>2020</b> , 13,	3.5	2
563	Transmissivity and Reflectivity of a Transverse-Electric Polarized Wave Incident on a Microcavity Containing Strongly Coupled Excitons with In-plane Uniaxially Oriented Transition Dipole Moments. <i>Physica Status Solidi (B): Basic Research</i> , <b>2020</b> , 257, 2000235	1.3	
562	Organic-inorganic hybrid composites as an electron injection layer in highly efficient inverted green-emitting polymer LEDs. <i>Organic Electronics</i> , <b>2020</b> , 77, 105496	3.5	1
561	Nano-crater morphology in hybrid electron-collecting buffer layers for high efficiency polymer:nonfullerene solar cells with enhanced stability. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 464-471	10.8	12
560	Fully Solution-Processed Photonic Structures from Inorganic/Organic Molecular Hybrid Materials and Commodity Polymers. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1808152	15.6	8
559	Hierarchical Uniform Supramolecular Conjugated Spherulites with Suppression of Defect Emission. <i>IScience</i> , <b>2019</b> , 16, 399-409	6.1	20
558	The Importance of Microstructure in Determining Polaron Generation Yield in Poly(9,9-dioctylfluorene). <i>Chemistry of Materials</i> , <b>2019</b> , 31, 6787-6797	9.6	9
557	Light-Emitting Transistors Based on Solution-Processed Heterostructures of Self-Organized Multiple-Quantum-Well Perovskite and Metal-Oxide Semiconductors. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1800985	6.4	14
556	Emission Enhanced and Stabilized by Stereoisomeric Strategy in Hierarchical Uniform Supramolecular Framework. <i>CheM</i> , <b>2019</b> , 5, 2470-2483	16.2	28
555	Efficient and Stable Solution-Processed Organic Light-Emitting Transistors Using a High-k Dielectric. <i>ACS Photonics</i> , <b>2019</b> , 6, 3159-3165	6.3	9

554	Poly(2-alkyl-2-oxazoline) electrode interlayers for improved n-type organic field effect transistor performance. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 143302	3.4	5
553	Hybrid organic-metal oxide multilayer channel transistors with high operational stability. <i>Nature Electronics</i> , <b>2019</b> , 2, 587-595	28.4	30
552	Ultrastable Supramolecular Self-Encapsulated Wide-Bandgap Conjugated Polymers for Large-Area and Flexible Electroluminescent Devices. <i>Advanced Materials</i> , <b>2019</b> , 31, e1804811	24	48
551	Controlling Molecular Conformation for Highly Efficient and Stable Deep-Blue Copolymer Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 11070-11082	9.5	16
550	Lasing: Host Exciton Confinement for Enhanced Förster-Transfer-Blend Gain Media Yielding Highly Efficient Yellow-Green Lasers (Adv. Funct. Mater. 17/2018). <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1870115	15.6	1
549	Host Exciton Confinement for Enhanced Förster-Transfer-Blend Gain Media Yielding Highly Efficient Yellow-Green Lasers. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705824	15.6	35
548	Systematic investigation of self-organization behavior in supramolecular conjugated polymer for multi-color electroluminescence. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 1535-1542	7.1	18
547	Photophysical and Fluorescence Anisotropic Behavior of Polyfluorene $\pi$ -Conformation Films. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 364-372	6.4	57
546	Pronounced Side Chain Effects in Triple Bond-Conjugated Polymers Containing Naphthalene Diimides for n-Channel Organic Field-Effect Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 12921-12929	9.5	15
545	Low-Voltage Solution-Processed Hybrid Light-Emitting Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 18445-18449	9.5	18
544	Large-area plastic nanogap electronics enabled by adhesion lithography. <i>Npj Flexible Electronics</i> , <b>2018</b> , 2,	10.7	18
543	Photovoltaic limitations of BODIPY:fullerene based bulk heterojunction solar cells. <i>Synthetic Metals</i> , <b>2017</b> , 226, 25-30	3.6	13
542	Efficient Deep Red Light-Sensing All-Polymer Phototransistors with p-type/n-type Conjugated Polymer Bulk Heterojunction Layers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 14983-14989	9.5	39
541	Thermally Stable Zinc Disalphen Macrocycles Showing Solid-State and Aggregation-Induced Enhanced Emission. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 5688-5695	5.1	12
540	Polyacetylene-based polyelectrolyte as a universal interfacial layer for efficient inverted polymer solar cells. <i>Organic Electronics</i> , <b>2017</b> , 48, 61-67	3.5	33
539	Electron Hopping Across Hemin-Doped Serum Albumin Mats on Centimeter-Length Scales. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700810	24	20
538	Understanding the molecular gelation processes of heteroatomic conjugated polymers for stable blue polymer light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6762-6770	7.1	18
537	Influence of the Hole Transporting Layer on the Thermal Stability of Inverted Organic Photovoltaics Using Accelerated-Heat Lifetime Protocols. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 14136-14144	9.5	33

536	Steric-Hindrance-Functionalized Polydiarylfuorenes: Conformational Behavior, Stabilized Blue Electroluminescence, and Efficient Amplified Spontaneous Emission. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 37856-37863	9.5	34
535	Thickness Effect of Bulk Heterojunction Layers on the Performance and Stability of Polymer:Fullerene Solar Cells with Alkylthiophene-Containing Polymer. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 9263-9270	8.3	9
534	Organic Phototransistors With All-Polymer Bulk Heterojunction Layers of p-Type and n-Type Sulfur-Containing Conjugated Polymers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2016</b> , 22, 147-153	3.8	15
533	Ambipolar Organic Phototransistors with p-Type/n-Type Conjugated Polymer Bulk Heterojunction Light-Sensing Layers. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1600264	6.4	38
532	>10% Efficiency Polymer:Fullerene Solar Cells with Polyacetylene-Based Polyelectrolyte Interlayers. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600415	4.6	31
531	Room temperature dielectric bistability in solution-processed spin crossover polymer thin films. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 6240-6248	7.1	15
530	Strong molecular weight effects of gate-insulating memory polymers in low-voltage organic nonvolatile memory transistors with outstanding retention characteristics. <i>NPG Asia Materials</i> , <b>2016</b> , 8, e235-e235	10.3	21
529	1 GHz Pentacene Diode Rectifiers Enabled by Controlled Film Deposition on SAM-Treated Au Anodes. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1500282	6.4	39
528	Charge-Carrier Density Independent Mobility in Amorphous Fluorene-Triarylamine Copolymers. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 3720-3729	15.6	16
527	Nanoscale current spreading analysis in solution-processed graphene oxide/silver nanowire transparent electrodes via conductive atomic force microscopy. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 195501	2.5	11
526	Long-Range Proton Conduction across Free-Standing Serum Albumin Mats. <i>Advanced Materials</i> , <b>2016</b> , 28, 2692-8	24	52
525	Spectroscopic properties of poly(9,9-dioctylfluorene) thin films possessing varied fractions of $\beta$ -phase chain segments: enhanced photoluminescence efficiency via conformation structuring. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2016</b> , 54, 1995-2006	2.6	56
524	All-polymer phototransistors with bulk heterojunction sensing layers of thiophene-based electron-donating and thienopyrroledione-based electron-accepting polymers. <i>Organic Electronics</i> , <b>2016</b> , 39, 199-206	3.5	9
523	Heteroatomic Conjugated Polymers and the Spectral Tuning of Electroluminescence via a Supramolecular Coordination Strategy. <i>Macromolecular Rapid Communications</i> , <b>2016</b> , 37, 1807-1813	4.8	14
522	Supramolecular Polymer-Molecule Complexes as Gain Media for Ultraviolet Lasers. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 967-971	6.6	20
521	Significant Stability Enhancement in High-Efficiency Polymer:Fullerene Bulk Heterojunction Solar Cells by Blocking Ultraviolet Photons from Solar Light. <i>Advanced Science</i> , <b>2016</b> , 3, 1500269	13.6	52
520	Solution-processed anthracene-based molecular glasses as stable blue-light-emission laser gain media. <i>Organic Electronics</i> , <b>2015</b> , 18, 95-100	3.5	26
519	Natures of optical absorption transitions and excitation energy dependent photostability of diketopyrrolopyrrole (DPP)-based photovoltaic copolymers. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 3222-3232	35.4	68

518	Pronounced Cosolvent Effects in Polymer:Polymer Bulk Heterojunction Solar Cells with Sulfur-Rich Electron-Donating and Imide-Containing Electron-Accepting Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 15995-6002	9.5	22
517	Efficient organic solar cells using copper(I) iodide (CuI) hole transport layers. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 243302	3.4	57
516	Copper thiocyanate: An attractive hole transport/extraction layer for use in organic photovoltaic cells. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 013301	3.4	48
515	High-Efficiency Polymer LEDs with Fast Response Times Fabricated via Selection of Electron-Injecting Conjugated Polyelectrolyte Backbone Structure. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 26566-71	9.5	17
514	High-efficiency, solution-processed, multilayer phosphorescent organic light-emitting diodes with a copper thiocyanate hole-injection/hole-transport layer. <i>Advanced Materials</i> , <b>2015</b> , 27, 93-100	24	146
513	High-Efficiency Organic Photovoltaic Cells Based on the Solution-Processable Hole Transporting Interlayer Copper Thiocyanate (CuSCN) as a Replacement for PEDOT:PSS. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1401529	21.8	115
512	Solution-crystallization and related phenomena in 9,9-dialkyl-fluorene polymers. II. Influence of side-chain structure. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2015</b> , 53, 1492-1506	2.6	17
511	Interplay between solid state microstructure and photophysics for poly(9,9-dioctylfluorene) within oriented polyethylene hosts. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2015</b> , 53, 22-38	2.6	22
510	Broadband All-Polymer Phototransistors with Nanostructured Bulk Heterojunction Layers of NIR-Sensing n-Type and Visible Light-Sensing p-Type Polymers. <i>Scientific Reports</i> , <b>2015</b> , 5, 16457	4.9	40
509	Solution-Crystallization and Related Phenomena in 9,9-Dialkyl-Fluorene Polymers. I. Crystalline Polymer-Solvent Compound Formation for Poly(9,9-dioctylfluorene). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2015</b> , 53, 1481-1491	2.6	14
508	Inverted polymer fullerene solar cells exceeding 10% efficiency with poly(2-ethyl-2-oxazoline) nanodots on electron-collecting buffer layers. <i>Nature Communications</i> , <b>2015</b> , 6, 8929	17.4	152
507	Dip-pen patterning of poly(9,9-dioctylfluorene) chain-conformation-based nano-photonic elements. <i>Nature Communications</i> , <b>2015</b> , 6, 5977	17.4	53
506	4H-1,2,6-Thiadiazin-4-one-containing small molecule donors and additive effects on their performance in solution-processed organic solar cells. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 2358-2365	7.1	26
505	Fluorene-based cathode interlayer polymers for high performance solution processed organic optoelectronic devices. <i>Organic Electronics</i> , <b>2014</b> , 15, 1244-1253	3.5	32
504	Charge mobility anisotropy of functionalized pentacenes in organic field effect transistors fabricated by solution processing. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 10110-10115	7.1	31
503	Correlating Non-Geminate Recombination with Film Structure: A Comparison of Polythiophene: Fullerene Bilayer and Blend Films. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 3669-76	6.4	9
502	Advanced Ellipsometric Characterization of Conjugated Polymer Films. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 2116-2134	15.6	68
501	Organic bioelectronics: general discussion. <i>Faraday Discussions</i> , <b>2014</b> , 174, 413-28	3.6	4

500	Molecular electronics: general discussion. <i>Faraday Discussions</i> , <b>2014</b> , 174, 125-51	3.6	4
499	Organic photovoltaics and energy: general discussion. <i>Faraday Discussions</i> , <b>2014</b> , 174, 341-55	3.6	2
498	Understanding the role of ultra-thin polymeric interlayers in improving efficiency of polymer light emitting diodes. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 204508	2.5	14
497	Photonics: general discussion. <i>Faraday Discussions</i> , <b>2014</b> , 174, 235-53	3.6	
496	Organic electronics and photonics: concluding remarks. <i>Faraday Discussions</i> , <b>2014</b> , 174, 429-38	3.6	9
495	Ultrastrongly Coupled Exciton-Polaritons in Metal-Clad Organic Semiconductor Microcavities. <i>Advanced Optical Materials</i> , <b>2013</b> , 1, 827-833	8.1	147
494	Red, Green, and Blue Light-Emitting Polyfluorenes Containing a Dibenzothiophene-S,S-Dioxide Unit and Efficient High-Color-Rendering-Index White-Light-Emitting Diodes Made Therefrom. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4366-4376	15.6	115
493	Paper No 19.2: Large-Area Printed Transparent Electrodes for Flexible Organic Light-Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , <b>2013</b> , 44, 282-284	0.5	
492	Paper No P33: Large-Area Printed Transparent Electrodes for Flexible Organic Light-Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , <b>2013</b> , 44, 112-114	0.5	
491	Confined surface plasmon-polariton amplifiers. <i>Nano Letters</i> , <b>2013</b> , 13, 1323-9	11.5	47
490	Investigation of a Conjugated Polyelectrolyte Interlayer for Inverted Polymer:Fullerene Solar Cells. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 718-723	21.8	87
489	Novel BODIPY-based conjugated polymers donors for organic photovoltaic applications. <i>RSC Advances</i> , <b>2013</b> , 3, 10221	3.7	30
488	The Effect of Organic and Metal Oxide Interfacial layers on the Performance of Inverted Organic Photovoltaics. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 391-398	21.8	34
487	Understanding the Reduced Efficiencies of Organic Solar Cells Employing Fullerene Multiadducts as Acceptors. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 744-752	21.8	115
486	Location, Location, Location - Strategic Positioning of 2,1,3-Benzothiadiazole Units within Trigonal Quaterfluorene-Truxene Star-Shaped Structures. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 2792-2804	15.6	60
485	Fused pyrrolo[3,2-d:4,5-d']bisthiazole-containing polymers for using in high-performance organic bulk heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2012</b> , 96, 112-116	6.4	14
484	Competition between the charge transfer state and the singlet states of donor or acceptor limiting the efficiency in polymer:fullerene solar cells. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 685-92	16.4	219
483	Influence of energetic disorder on electroluminescence emission in polymer:fullerene solar cells. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	67

482	Spectroscopic and morphological investigation of conjugated photopolymerisable quinquethiophene liquid crystals. <i>Current Applied Physics</i> , <b>2012</b> , 12, e59-e66	2.6	4
481	Gravure printing inverted organic solar cells: The influence of ink properties on film quality and device performance. <i>Solar Energy Materials and Solar Cells</i> , <b>2012</b> , 105, 77-85	6.4	82
480	Fullerene/cobalt porphyrin hybrid nanosheets with ambipolar charge transporting characteristics. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 7204-6	16.4	104
479	High-Performance Metal-Free Solar Cells Using Stamp Transfer Printed Vapor Phase Polymerized Poly(3,4-Ethylenedioxythiophene) Top Anodes. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 1454-1460	15.6	66
478	Correlating Emissive Non-Geminate Charge Recombination with Photocurrent Generation Efficiency in Polymer/Perylene Diimide Organic Photovoltaic Blend Films. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 2318-2326	15.6	28
477	Efficient optical gain media comprising binary blends of poly(3-hexylthiophene) and poly(9,9-dioctylfluorene-co-benzothiadiazole). <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 123107	2.5	42
476	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. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 9834-43	16.4	295
475	Surface and subsurface morphology of operating nanowire:fullerene solar cells revealed by photoconductive-AFM. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 3646	35.4	30
474	Plasmonic sinks for the selective removal of long-lived states. <i>ACS Nano</i> , <b>2011</b> , 5, 9958-65	16.7	37
473	Thin-film morphology of inkjet-printed single-droplet organic transistors using polarized Raman spectroscopy: effect of blending TIPS-pentacene with insulating polymer. <i>ACS Nano</i> , <b>2011</b> , 5, 9824-35	16.7	105
472	Surface plasmon coupled emission using conjugated light-emitting polymer films [Invited]. <i>Optical Materials Express</i> , <b>2011</b> , 1, 1127	2.6	12
471	Highly sensitive fluorescence detection system for microfluidic lab-on-a-chip. <i>Lab on A Chip</i> , <b>2011</b> , 11, 1664-70	7.2	65
470	Soluble fullerene derivatives: The effect of electronic structure on transistor performance and air stability. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 014506	2.5	18
469	Effect of multiple adduct fullerenes on charge generation and transport in photovoltaic blends with poly(3-hexylthiophene-2,5-diyl). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2011</b> , 49, 45-51	2.6	56
468	The role of alkane dithiols in controlling polymer crystallization in small band gap polymer:Fullerene solar cells. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2011</b> , 49, 717-724	2.6	71
467	Structural and Electrical Characterization of ZnO Films Grown by Spray Pyrolysis and Their Application in Thin-Film Transistors. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 525-531	15.6	96
466	In-Situ Monitoring of the Solid-State Microstructure Evolution of Polymer:Fullerene Blend Films Using Field-Effect Transistors. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 356-363	15.6	36
465	Real-Time Investigation of Crystallization and Phase-Segregation Dynamics in P3HT:PCBM Solar Cells During Thermal Annealing. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 1701-1708	15.6	197

464	High-mobility low-voltage ZnO and Li-doped ZnO transistors based on ZrO <sub>2</sub> high-k dielectric grown by spray pyrolysis in ambient air. <i>Advanced Materials</i> , <b>2011</b> , 23, 1894-8	24	195
463	Reduced graphene oxide electrodes for large area organic electronics. <i>Advanced Materials</i> , <b>2011</b> , 23, 1558-62	24	83
462	Well-defined and monodisperse linear and star-shaped quaterfluorene-DPP molecules: the significance of conjugation and dimensionality. <i>Advanced Materials</i> , <b>2011</b> , 23, 2093-7	24	39
461	Efficient organic solar cells with solution-processed silver nanowire electrodes. <i>Advanced Materials</i> , <b>2011</b> , 23, 4371-5	24	469
460	Organic semiconductor:insulator polymer ternary blends for photovoltaics. <i>Advanced Materials</i> , <b>2011</b> , 23, 4093-7	24	70
459	Impact of Fullerene Molecular Weight on P3HT:PCBM Microstructure Studied Using Organic Thin-Film Transistors. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 1176-1183	21.8	13
458	Organic phototransistors with nanoscale phase-separated polymer/polymer bulk heterojunction layers. <i>Nanoscale</i> , <b>2011</b> , 3, 2275-9	7.7	58
457	Low-voltage ZnO thin-film transistors based on Y <sub>2</sub> O <sub>3</sub> and Al <sub>2</sub> O <sub>3</sub> high-k dielectrics deposited by spray pyrolysis in air. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 123503	3.4	113
456	Effect of Crystallization on the Electronic Energy Levels and Thin Film Morphology of P3HT:PCBM Blends. <i>Macromolecules</i> , <b>2011</b> , 44, 2944-2952	5.5	208
455	Percolation behaviour in high mobility p-channel polymer/small-molecule blend organic field-effect transistors. <i>Organic Electronics</i> , <b>2011</b> , 12, 143-147	3.5	39
454	Gravure printing for three subsequent solar cell layers of inverted structures on flexible substrates. <i>Solar Energy Materials and Solar Cells</i> , <b>2011</b> , 95, 731-734	6.4	110
453	Flexible multilayer inverted polymer light-emitting diodes with a gravure contact printed Cs <sub>2</sub> CO <sub>3</sub> electron injection layer. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 103306	3.4	18
452	Random lasing in low molecular weight organic thin films. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 041114	3.4	22
451	Measurement of the diffusivity of fullerenes in polymers using bilayer organic field effect transistors. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	18
450	Gravure contact printing of flexible, high-performance polymer light emitting diodes for large-area displays and lighting. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1340, 1		1
449	TiO <sub>2</sub> thin-film transistors fabricated by spray pyrolysis. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 082116	3.4	45
448	Device physics of highly sensitive thin film polyfluorene copolymer organic phototransistors. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 024509	2.5	46
447	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. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 734-738	6.4	98



446	Understanding the Influence of Morphology on Poly(3-hexylselenothiophene):PCBM Solar Cells. <i>Macromolecules</i> , <b>2010</b> , 43, 1169-1174	5.5	86
445	Solution-processed organic transistors based on semiconducting blends. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 2562		181
444	Ambipolar organic transistors and near-infrared phototransistors based on a solution-processable squarilium dye. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 3673		71
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154	Photophysics of an Alkyl Substituted Poly(p-phenylenevinylene). <i>Synthetic Metals</i> , <b>1999</b> , 101, 259-260	3.6	4
153	Substituted PPVs for blue light. <i>Synthetic Metals</i> , <b>1999</b> , 102, 1120-1121	3.6	
152	Aggregation effects in the conjugated oligomer tetrathienylene-vinylene (otv-4). <i>Synthetic Metals</i> , <b>1999</b> , 101, 665-666	3.6	8
151	Thermally activated injection limited conduction in single layer N,N'-diphenyl-N,N'-bis(3-methylphenyl)-1,1'-biphenyl-4,4'-diamine light emitting diodes. <i>Journal of Applied Physics</i> , <b>1999</b> , 86, 5004-5011	2.5	52
150	A New Electron-withdrawing Group Containing Poly(1,4-phenylenevinylene). <i>Macromolecules</i> , <b>1999</b> , 32, 111-117	5.5	36
149	Interplay of Physical Structure and Photophysics for a Liquid Crystalline Polyfluorene. <i>Macromolecules</i> , <b>1999</b> , 32, 5810-5817	5.5	593
148	Bright and efficient blue light-emitting diodes based on conjugated polymer blends <b>1999</b> ,		2
147	Polarized Luminescence from Oriented Molecular Materials <b>1999</b> , 11, 895		1
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145	Strong exciton-photon coupling in an organic semiconductor microcavity. <i>Nature</i> , <b>1998</b> , 395, 53-55	50.4	636
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143	Excitation intensity-dependent fluorescence behaviour of some luminescent polymers. <i>Polymer</i> , <b>1998</b> , 39, 3651-3656	3.9	12
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137	Spectral narrowing phenomena in the emission from a conjugated polymer. <i>Optical Materials</i> , <b>1998</b> , 9, 70-76	3.3	42
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134	Application of fluorescence scanning near-field optical microscopy to the study of phase-separated conjugated polymers. <i>Ultramicroscopy</i> , <b>1998</b> , 71, 275-279	3.1	15
133	Space-charge-limited charge injection from indium tin oxide into a starburst amine and its implications for organic light-emitting diodes. <i>Applied Physics Letters</i> , <b>1998</b> , 72, 2448-2450	3.4	123
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128	Charge injection from indium tin oxide into a starburst amine and its implications for organic light-emitting diodes <b>1998</b> ,		2
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114	Electroluminescence in polymer films. <i>Nature</i> , <b>1997</b> , 386, 135-135	50.4	51
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95	Optical properties of edge-linked polymer porphyrin LB films. <i>Thin Solid Films</i> , <b>1996</b> , 284-285, 648-651	2.2	9
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7	Conformational defects in Durham polyacetylene. <i>Synthetic Metals</i> , <b>1987</b> , 17, 267-272	3.6	18
6	Structural studies of oriented precursor route conjugated polymers. <i>Synthetic Metals</i> , <b>1987</b> , 17, 473-478	3.6	50
5	Infra-red characterization of oriented poly(phenylene vinylene). <i>Polymer</i> , <b>1986</b> , 27, 1709-1713	3.9	119
4	Conformational defects in Durham-route polyacetylene. <i>Synthetic Metals</i> , <b>1986</b> , 13, 101-112	3.6	32
3	Increase in chain conjugation length in highly oriented Durham-route polyacetylene. <i>Journal of Physics C: Solid State Physics</i> , <b>1985</b> , 18, L283-L289		35
2	Slow Energy Transfer in Self-Doped $\pi$ -Conformation Film of Steric Polydiarylfluorenes toward Stable Dual Deep-Blue Amplified Spontaneous Emission. <i>Advanced Optical Materials</i> , 2100723	8.1	4
1	Properties and Applications of Copper(I) Thiocyanate Hole-Transport Interlayers Processed from Different Solvents. <i>Advanced Electronic Materials</i> , 2101253	6.4	0