

Donal D C Bradley

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571
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63,709
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609
ext. papers

66,557
ext. citations

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L-index

#	Paper	IF	Citations
571	Light-emitting diodes based on conjugated polymers. <i>Nature</i> , 1990 , 347, 539-541	50.4	9967
570	Electroluminescence in conjugated polymers. <i>Nature</i> , 1999 , 397, 121-128	50.4	5245
569	A strong regioregularity effect in self-organizing conjugated polymer films and high-efficiency polythiophene:fullerene solar cells. <i>Nature Materials</i> , 2006 , 5, 197-203	27	2097
568	Efficient light-emitting diodes based on polymers with high electron affinities. <i>Nature</i> , 1993 , 365, 628-630	50.4	1520
567	Morphology evolution via self-organization and lateral and vertical diffusion in polymer:fullerene solar cell blends. <i>Nature Materials</i> , 2008 , 7, 158-64	27	1331
566	Mobility enhancement in conjugated polymer field-effect transistors through chain alignment in a liquid-crystalline phase. <i>Applied Physics Letters</i> , 2000 , 77, 406-408	3.4	706
565	Chemical tuning of electroluminescent copolymers to improve emission efficiencies and allow patterning. <i>Nature</i> , 1992 , 356, 47-49	50.4	673
564	Strong exciton-photon coupling in an organic semiconductor microcavity. <i>Nature</i> , 1998 , 395, 53-55	50.4	636
563	Electrochemical determination of the ionization potential and electron affinity of poly(9,9-dioctylfluorene). <i>Applied Physics Letters</i> , 1998 , 73, 2453-2455	3.4	617
562	Poly(p-phenylenevinylene) light-emitting diodes: Enhanced electroluminescent efficiency through charge carrier confinement. <i>Applied Physics Letters</i> , 1992 , 61, 2793-2795	3.4	613
561	Degradation of organic solar cells due to air exposure. <i>Solar Energy Materials and Solar Cells</i> , 2006 , 90, 3520-3530	6.4	593
560	Interplay of Physical Structure and Photophysics for a Liquid Crystalline Polyfluorene. <i>Macromolecules</i> , 1999 , 32, 5810-5817	5.5	593
559	High brightness and efficiency blue light-emitting polymer diodes. <i>Applied Physics Letters</i> , 1998 , 73, 629-631	5.1	578
558	Charge carrier formation in polythiophene/fullerene blend films studied by transient absorption spectroscopy. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3030-42	16.4	576
557	Device annealing effect in organic solar cells with blends of regioregular poly(3-hexylthiophene) and soluble fullerene. <i>Applied Physics Letters</i> , 2005 , 86, 063502	3.4	543
556	Angular Dependence of the Emission from a Conjugated Polymer Light-Emitting Diode: Implications for efficiency calculations. <i>Advanced Materials</i> , 1994 , 6, 491-494	24	524
555	A glass-forming conjugated main-chain liquid crystal polymer for polarized electroluminescence applications. <i>Advanced Materials</i> , 1997 , 9, 798-802	24	497

554	Hybrid polymer/zinc oxide photovoltaic devices with vertically oriented ZnO nanorods and an amphiphilic molecular interface layer. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 7635-9	3.4	492
553	Efficient organic solar cells with solution-processed silver nanowire electrodes. <i>Advanced Materials</i> , 2011 , 23, 4371-5	24	469
552	Measuring the Efficiency of Organic Light-Emitting Devices. <i>Advanced Materials</i> , 2003 , 15, 1043-1048	24	468
551	Space-charge limited conduction with traps in poly(phenylene vinylene) light emitting diodes. <i>Journal of Applied Physics</i> , 1997 , 82, 6326-6342	2.5	428
550	Experimental determination of the rate law for charge carrier decay in a polythiophene: Fullerene solar cell. <i>Applied Physics Letters</i> , 2008 , 92, 093311	3.4	428
549	Investigation of the Effects of Doping and Post-Deposition Treatments on the Conductivity, Morphology, and Work Function of Poly(3,4-ethylenedioxythiophene)/Poly(styrene sulfonate) Films. <i>Advanced Functional Materials</i> , 2005 , 15, 290-296	15.6	427
548	Polarized Luminescence from Oriented Molecular Materials. <i>Advanced Materials</i> , 1999 , 11, 895-905	24	420
547	Nondispersive hole transport in an electroluminescent polyfluorene. <i>Applied Physics Letters</i> , 1998 , 73, 1565-1567	3.4	388
546	Bimolecular recombination losses in polythiophene: Fullerene solar cells. <i>Physical Review B</i> , 2008 , 78,	3.3	364
545	Chain geometry, solution aggregation and enhanced dichroism in the liquidcrystalline conjugated polymer poly(9,9-dioctylfluorene). <i>Acta Polymerica</i> , 1998 , 49, 439-444		357
544	Binary Organic Photovoltaic Blends: A Simple Rationale for Optimum Compositions. <i>Advanced Materials</i> , 2008 , 20, 3510-3515	24	342
543	Exciton versus band description of the absorption and luminescence spectra in poly(p-phenylenevinylene). <i>Physical Review B</i> , 1990 , 42, 9830-9836	3.3	340
542	High-Performance Polymer-Small Molecule Blend Organic Transistors. <i>Advanced Materials</i> , 2009 , 21, 1166-1171	24	326
541	High Mobility Hole Transport Fluorene-Triarylamine Copolymers. <i>Advanced Materials</i> , 1999 , 11, 241-246	24	317
540	Precursor-route poly(p-phenylenevinylene): polymer characterisation and control of electronic properties. <i>Journal Physics D: Applied Physics</i> , 1987 , 20, 1389-1410	3	306
539	Photo-excitation in conjugated polymers. <i>Journal Physics D: Applied Physics</i> , 1987 , 20, 1367-1384	3	299
538	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> , 2011 , 133, 9834-43	16.4	295
537	Film morphology and photophysics of polyfluorene. <i>Physical Review B</i> , 2000 , 62, 15604-15609	3.3	278

536	Room Temperature Polariton Emission from Strongly Coupled Organic Semiconductor Microcavities. <i>Physical Review Letters</i> , 1999 , 82, 3316-3319	7.4	274
535	Conjugated polymer electroluminescence. <i>Synthetic Metals</i> , 1993 , 54, 401-415	3.6	273
534	Efficient Energy Transfer from Blue to Red in Tetraphenylporphyrin-Doped Poly(9,9-dioctylfluorene) Light-Emitting Diodes. <i>Advanced Materials</i> , 2000 , 12, 58-62	24	271
533	Synthesis and properties of monodisperse oligofluorene-functionalized truxenes: highly fluorescent star-shaped architectures. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13695-702	16.4	267
532	Photoexcited states in poly(p-phenylene vinylene): Comparison with trans,trans-distyrylbenzene, a model oligomer. <i>Physical Review B</i> , 1990 , 42, 11670-11681	3.3	263
531	The photovoltaic response in poly(p-phenylene vinylene) thin-film devices. <i>Journal of Physics Condensed Matter</i> , 1994 , 6, 1379-1394	1.8	260
530	Direct Determination of the Exciton Binding Energy of Conjugated Polymers Using a Scanning Tunneling Microscope. <i>Physical Review Letters</i> , 1998 , 81, 1082-1085	7.4	255
529	Free Energy Control of Charge Photogeneration in Polythiophene/Fullerene Solar Cells: The Influence of Thermal Annealing on P3HT/PCBM Blends. <i>Advanced Functional Materials</i> , 2008 , 18, 4029-4035	15.6	247
528	Hybrid polymer/metal oxide solar cells based on ZnO columnar structures. <i>Journal of Materials Chemistry</i> , 2006 , 16, 2088		244
527	Understanding the Origin of the 535 nm Emission Band in Oxidized Poly(9,9-dioctylfluorene): The Essential Role of Inter-Chain/Inter-Segment Interactions. <i>Advanced Functional Materials</i> , 2004 , 14, 765-781	15.6	241
526	Mobility enhancement through homogeneous nematic alignment of a liquid-crystalline polyfluorene. <i>Applied Physics Letters</i> , 1999 , 74, 1400-1402	3.4	235
525	Formation of a Ground-State Charge-Transfer Complex in Polyfluorene//[6,6]-Phenyl-C61 Butyric Acid Methyl Ester (PCBM) Blend Films and Its Role in the Function of Polymer/PCBM Solar Cells. <i>Advanced Functional Materials</i> , 2007 , 17, 451-457	15.6	234
524	The Effect of Poly(3-hexylthiophene) Molecular Weight on Charge Transport and the Performance of Polymer:Fullerene Solar Cells. <i>Advanced Functional Materials</i> , 2008 , 18, 2373-2380	15.6	233
523	Simultaneous optimization of charge-carrier mobility and optical gain in semiconducting polymer films. <i>Nature Materials</i> , 2008 , 7, 376-80	27	225
522	Synthesis and Third-Order Nonlinear Optical Properties of a Conjugated Porphyrin Polymer. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 655-657		223
521	Ambipolar Charge Transport in Films of Methanofullerene and Poly(phenylenevinylene)/Methanofullerene Blends. <i>Advanced Functional Materials</i> , 2005 , 15, 1171-1182	15.6	220
520	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> , 2012 , 134, 685-92	16.4	219
519	Exciton migration in β -phase poly(9,9-dioctylfluorene). <i>Physical Review B</i> , 2003 , 67,	3.3	216

518	Chemical tuning of the electronic properties of poly(p-phenylenevinylene)-based copolymers. <i>Journal of the American Chemical Society</i> , 1993 , 115, 10117-10124	16.4	215
517	Organic Photovoltaic Devices Based on Blends of Regioregular Poly(3-hexylthiophene) and Poly(9,9-dioctylfluorene-co-benzothiadiazole). <i>Chemistry of Materials</i> , 2004 , 16, 4812-4818	9.6	211
516	Optical spectroscopy of highly ordered poly(p-phenylene vinylene). <i>Journal of Physics Condensed Matter</i> , 1993 , 5, 7155-7172	1.8	209
515	Effect of Crystallization on the Electronic Energy Levels and Thin Film Morphology of P3HT:PCBM Blends. <i>Macromolecules</i> , 2011 , 44, 2944-2952	5.5	208
514	Use of poly(phenyl quinoxaline) as an electron transport material in polymer light-emitting diodes. <i>Applied Physics Letters</i> , 1996 , 69, 881-883	3.4	203
513	Optical spectroscopy of field-induced charge in poly(3-hexyl thienylene) metal-insulator-semiconductor structures: Evidence for polarons. <i>Physical Review Letters</i> , 1991 , 66, 2231-2234	7.4	203
512	Real-Time Investigation of Crystallization and Phase-Segregation Dynamics in P3HT:PCBM Solar Cells During Thermal Annealing. <i>Advanced Functional Materials</i> , 2011 , 21, 1701-1708	15.6	197
511	High-mobility low-voltage ZnO and Li-doped ZnO transistors based on ZrO ₂ high-k dielectric grown by spray pyrolysis in ambient air. <i>Advanced Materials</i> , 2011 , 23, 1894-8	24	195
510	High ambipolar and balanced carrier mobility in regioregular poly(3-hexylthiophene). <i>Applied Physics Letters</i> , 2004 , 85, 3890-3892	3.4	194
509	Dispersive electron transport in an electroluminescent polyfluorene copolymer measured by the current integration time-of-flight method. <i>Applied Physics Letters</i> , 2001 , 79, 2133-2135	3.4	192
508	Fluorene-based conjugated polymer optical gain media. <i>Organic Electronics</i> , 2003 , 4, 165-177	3.5	189
507	Photon-mediated hybridization of frenkel excitons in organic semiconductor microcavities. <i>Science</i> , 2000 , 288, 1620-3	33.3	189
506	Highly polarized blue electroluminescence from homogeneously aligned films of poly(9,9-dioctylfluorene). <i>Applied Physics Letters</i> , 2000 , 76, 2946-2948	3.4	189
505	High-Performance Zinc Oxide Transistors and Circuits Fabricated by Spray Pyrolysis in Ambient Atmosphere. <i>Advanced Materials</i> , 2009 , 21, 2226-2231	24	185
504	Origin of electrophosphorescence from a doped polymer light emitting diode. <i>Physical Review B</i> , 2001 , 63,	3.3	182
503	Solution-processed organic transistors based on semiconducting blends. <i>Journal of Materials Chemistry</i> , 2010 , 20, 2562		181
502	Composition and annealing effects in polythiophene/fullerene solar cells. <i>Journal of Materials Science</i> , 2005 , 40, 1371-1376	4.3	177
501	Precursor route chemistry and electronic properties of poly(p-phenylenevinylene), poly[(2,5-dimethyl-p-phenylene)vinylene] and poly[(2,5-dimethoxy-p-phenylene)vinylene]. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1992 , 3225		177

500	Emission Characteristics and Performance Comparison of Polyfluorene Lasers with One- and Two-Dimensional Distributed Feedback. <i>Advanced Functional Materials</i> , 2004 , 14, 91-97	15.6	175
499	Spin- and Spray-Deposited Single-Walled Carbon-Nanotube Electrodes for Organic Solar Cells. <i>Advanced Functional Materials</i> , 2010 , 20, 2310-2316	15.6	172
498	Hybrid nanocrystalline TiO ₂ solar cells with a fluorene-thiophene copolymer as a sensitizer and hole conductor. <i>Journal of Applied Physics</i> , 2004 , 95, 1473-1480	2.5	171
497	Conformational effects in poly(p-phenylene vinylene)s revealed by low-temperature site-selective fluorescence. <i>Journal of Physics Condensed Matter</i> , 1993 , 5, 247-260	1.8	170
496	Influence of thermal treatment on the conductivity and morphology of PEDOT/PSS films. <i>Synthetic Metals</i> , 2003 , 139, 569-572	3.6	169
495	Effects of thickness and thermal annealing of the PEDOT:PSS layer on the performance of polymer solar cells. <i>Organic Electronics</i> , 2009 , 10, 205-209	3.5	158
494	The Effect of Polymer Optoelectronic Properties on the Performance of Multilayer Hybrid Polymer/TiO ₂ Solar Cells. <i>Advanced Functional Materials</i> , 2005 , 15, 609-618	15.6	153
493	Inverted polymer fullerene solar cells exceeding 10% efficiency with poly(2-ethyl-2-oxazoline) nanodots on electron-collecting buffer layers. <i>Nature Communications</i> , 2015 , 6, 8929	17.4	152
492	Photoluminescence spectra of oligo-paraphenylenevinylenes: a joint theoretical and experimental characterization. <i>Chemical Physics Letters</i> , 1997 , 278, 139-145	2.5	150
491	Optical spectra and excitations in phenylene vinylene oligomers. <i>Synthetic Metals</i> , 1993 , 59, 13-28	3.6	150
490	A Hybrid Inorganic/Organic Semiconductor Light-Emitting Diode Using ZrO ₂ as an Electron-Injection Layer. <i>Advanced Materials</i> , 2009 , 21, 3475-3478	24	149
489	Ultrastrongly Coupled Exciton/Polaritons in Metal-Clad Organic Semiconductor Microcavities. <i>Advanced Optical Materials</i> , 2013 , 1, 827-833	8.1	147
488	Studies of Highly Regioregular Poly(3-hexylselenophene) for Photovoltaic Applications. <i>Advanced Materials</i> , 2007 , 19, 4544-4547	24	147
487	High-efficiency, solution-processed, multilayer phosphorescent organic light-emitting diodes with a copper thiocyanate hole-injection/hole-transport layer. <i>Advanced Materials</i> , 2015 , 27, 93-100	24	146
486	A photophysical study of PCBM thin films. <i>Chemical Physics Letters</i> , 2007 , 445, 276-280	2.5	144
485	Light amplification and gain in polyfluorene waveguides. <i>Applied Physics Letters</i> , 2002 , 81, 415-417	3.4	144
484	Enhanced Solid-State Luminescence and Low-Threshold Lasing from Starburst Macromolecular Materials. <i>Advanced Materials</i> , 2009 , 21, 355-360	24	141
483	Quantifying the efficiency of electrodes for positive carrier injection into poly(9,9-dioctylfluorene) and representative copolymers. <i>Journal of Applied Physics</i> , 2001 , 89, 3343-3351	2.5	140

482	Temperature and field dependence of hole mobility in poly(9,9-dioctylfluorene). <i>Physical Review B</i> , 2006 , 73,	3.3	138
481	Investigation of transport properties in polymer/fullerene blends using time-of-flight photocurrent measurements. <i>Applied Physics Letters</i> , 2003 , 83, 3812-3814	3.4	137
480	High mobility n-channel organic field-effect transistors based on soluble C60 and C70 fullerene derivatives. <i>Synthetic Metals</i> , 2008 , 158, 468-472	3.6	133
479	Using Self-Assembling Dipole Molecules to Improve Hole Injection in Conjugated Polymers. <i>Advanced Functional Materials</i> , 2004 , 14, 1205-1210	15.6	133
478	Hybrid Solar Cells from a Blend of Poly(3-hexylthiophene) and Ligand-Capped TiO ₂ Nanorods. <i>Advanced Functional Materials</i> , 2008 , 18, 622-633	15.6	132
477	Electroluminescence from multilayer conjugated polymer devices: Spatial control of exciton formation and emission. <i>Chemical Physics Letters</i> , 1992 , 200, 46-54	2.5	130
476	Influence of the hole transport layer on the performance of organic light-emitting diodes. <i>Journal of Applied Physics</i> , 1999 , 85, 608-615	2.5	128
475	Fabrication of Highly Conductive Poly(3,4-ethylenedioxythiophene) Films by Vapor Phase Polymerization and Their Application in Efficient Organic Light-Emitting Diodes. <i>Advanced Materials</i> , 2007 , 19, 2379-2385	24	125
474	The effect of morphology on the temperature-dependent photoluminescence quantum efficiency of the conjugated polymer poly(9, 9-dioctylfluorene). <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 9975-9986	1.8	124
473	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> , 1998 , 72, 2448-2450	3.4	123
472	Energy transfer dynamics in polyfluorene-based polymer blends. <i>Chemical Physics Letters</i> , 2001 , 339, 331-336	2.5	121
471	Electrophosphorescence from a doped polymer light emitting diode. <i>Synthetic Metals</i> , 2001 , 116, 379-383.	3.6	121
470	Optical spectroscopy of triplet excitons and charged excitations in poly(p-phenylenevinylene) light-emitting diodes. <i>Chemical Physics Letters</i> , 1993 , 210, 61-66	2.5	120
469	Infra-red characterization of oriented poly(phenylene vinylene). <i>Polymer</i> , 1986 , 27, 1709-1713	3.9	119
468	Vibronic structure in the optical absorption spectra of phenylene vinylene oligomers: a joint experimental and theoretical study. <i>Chemical Physics Letters</i> , 1995 , 247, 425-432	2.5	118
467	Electroluminescence-detected magnetic-resonance study of polyparaphenylenevinylene (PPV)-based light-emitting diodes. <i>Physical Review B</i> , 1992 , 46, 15072-15077	3.3	117
466	On the optical anisotropy of conjugated polymer thin films. <i>Physical Review B</i> , 2005 , 72,	3.3	116
465	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> , 2015 , 5, 1401529	21.8	115

464	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> , 2013 , 23, 4366-4376	15.6	115
463	Understanding the Reduced Efficiencies of Organic Solar Cells Employing Fullerene Multiadducts as Acceptors. <i>Advanced Energy Materials</i> , 2013 , 3, 744-752	21.8	115
462	A Multilayered Polymer Light-Emitting Diode Using a Nanocrystalline Metal-Oxide Film as a Charge-Injection Electrode. <i>Advanced Materials</i> , 2007 , 19, 683-687	24	115
461	Ellipsometric Characterization of the Optical Constants of Polyfluorene Gain Media. <i>Advanced Functional Materials</i> , 2005 , 15, 925-933	15.6	115
460	Laser action in poly (m-phenylenevinylene-co-2,5-dioctoxy-p-phenylenevinylene). <i>Advanced Materials</i> , 1996 , 8, 974-978	24	114
459	Low-voltage ZnO thin-film transistors based on Y2O3 and Al2O3 high-k dielectrics deposited by spray pyrolysis in air. <i>Applied Physics Letters</i> , 2011 , 98, 123503	3.4	113
458	Polymer Field-Effect Transistors Fabricated by the Sequential Gravure Printing of Polythiophene, Two Insulator Layers, and a Metal Ink Gate. <i>Advanced Functional Materials</i> , 2010 , 20, 239-246	15.6	113
457	Monolithically integrated dye-doped PDMS long-pass filters for disposable on-chip fluorescence detection. <i>Lab on A Chip</i> , 2006 , 6, 981-7	7.2	113
456	Fluorene-based polymer gain media for solid-state laser emission across the full visible spectrum. <i>Applied Physics Letters</i> , 2003 , 82, 3599-3601	3.4	111
455	Low-Threshold Distributed-Feedback Lasers Based on Pyrene-Cored Starburst Molecules with 1,3,6,8-Attached Oligo(9,9-Dialkylfluorene) Arms. <i>Advanced Functional Materials</i> , 2009 , 19, 2844-2850	15.6	110
454	Gravure printing for three subsequent solar cell layers of inverted structures on flexible substrates. <i>Solar Energy Materials and Solar Cells</i> , 2011 , 95, 731-734	6.4	110
453	The Influence of Film Morphology in High-Mobility Small-Molecule:Polymer Blend Organic Transistors. <i>Advanced Functional Materials</i> , 2010 , 20, 2330-2337	15.6	110
452	Synthesis of a segmented conjugated polymer chain giving a blue-shifted electroluminescence and improved efficiency. <i>Journal of the Chemical Society Chemical Communications</i> , 1992 , 32		110
451	Hybrid Inorganic/Organic Semiconductor Heterostructures with Efficient Non-Radiative Energy Transfer. <i>Advanced Materials</i> , 2006 , 18, 334-338	24	109
450	X-ray diffraction study of the structure of thin polyfluorene films. <i>Polymer</i> , 2002 , 43, 1907-1913	3.9	109
449	A polymer/fullerene based photodetector with extremely low dark current for x-ray medical imaging applications. <i>Applied Physics Letters</i> , 2008 , 93, 203305	3.4	108
448	Electroluminescence in poly(3-alkylthienylene)s. <i>Synthetic Metals</i> , 1993 , 57, 4134-4138	3.6	108
447	Low-voltage organic transistors based on solution processed semiconductors and self-assembled monolayer gate dielectrics. <i>Applied Physics Letters</i> , 2008 , 93, 013303	3.4	106

446	Thin-film organic photodiodes as integrated detectors for microscale chemiluminescence assays. <i>Sensors and Actuators B: Chemical</i> , 2005 , 106, 878-884	8.5	106
445	Bulk limited conduction in electroluminescent polymer devices. <i>Journal of Applied Physics</i> , 1998 , 84, 6737-6746	2.5	106
444	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> , 2011 , 5, 9824-35	16.7	105
443	Fullerene/cobalt porphyrin hybrid nanosheets with ambipolar charge transporting characteristics. <i>Journal of the American Chemical Society</i> , 2012 , 134, 7204-6	16.4	104
442	Characterisation of poly (phenylenevinylene) by infrared and optical absorption. <i>Synthetic Metals</i> , 1987 , 17, 651-656	3.6	103
441	Ohmic hole injection in poly(9,9-dioctylfluorene) polymer light-emitting diodes. <i>Applied Physics Letters</i> , 2003 , 83, 707-709	3.4	102
440	Synthesis and third order nonlinear optics of a new soluble conjugated porphyrin polymer. <i>Journal of Materials Chemistry</i> , 2001 , 11, 312-320		102
439	Photoprocessed and micropatterned conjugated polymer LEDs. <i>Synthetic Metals</i> , 1996 , 82, 141-148	3.6	102
438	Blue, surface-emitting, distributed feedback polyfluorene lasers. <i>Applied Physics Letters</i> , 2003 , 83, 2118-2120	3.1	100
437	Spray-deposited Li-doped ZnO transistors with electron mobility exceeding 50 cm ² /Vs. <i>Advanced Materials</i> , 2010 , 22, 4764-9	24	99
436	Photoluminescence and electroluminescence in conjugated polymeric systems. <i>Synthetic Metals</i> , 1993 , 57, 4031-4040	3.6	99
435	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> , 2010 , 1, 734-738	6.4	98
434	Large changes in optical response through chemical pre-ordering of poly(p-phenylenevinylene). <i>Advanced Materials</i> , 1993 , 5, 40-43	24	97
433	Structural and Electrical Characterization of ZnO Films Grown by Spray Pyrolysis and Their Application in Thin-Film Transistors. <i>Advanced Functional Materials</i> , 2011 , 21, 525-531	15.6	96
432	Light-induced luminescence quenching in precursor-route poly(p-phenylene vinylene). <i>Journal of Physics Condensed Matter</i> , 1989 , 1, 3671-3678	1.8	96
431	Effects of Photo-oxidation on the Performance of Poly[2-methoxy-5-(3,7-dimethyloctyloxy)-1,4-phenylene vinylene]:[6,6]-Phenyl C61-Butyric Acid Methyl Ester Solar Cells. <i>Advanced Functional Materials</i> , 2006 , 16, 2117-2126	15.6	95
430	Influence of film morphology on the vibrational spectra of dioctyl substituted polyfluorene (PFO). <i>Synthetic Metals</i> , 2000 , 111-112, 607-610	3.6	94
429	Efficient multilayer electroluminescence devices with poly(m-phenylenevinylene-co-2,5-dioctyloxy-p-phenylenevinylene) as the emissive layer. <i>Journal of Applied Physics</i> , 1997 , 82, 2662-2670	2.5	91

428	A solid state solar cell using sol-gel processed material and a polymer. <i>Chemical Physics Letters</i> , 2001 , 347, 325-330	2.5	89
427	Two-dimensional distributed feedback lasers using a broadband, red polyfluorene gain medium. <i>Journal of Applied Physics</i> , 2004 , 96, 6959-6965	2.5	88
426	Transient and steady-state space-charge-limited currents in polyfluorene copolymer diode structures with ohmic hole injecting contacts. <i>Applied Physics Letters</i> , 2000 , 76, 1734-1736	3.4	88
425	Investigation of a Conjugated Polyelectrolyte Interlayer for Inverted Polymer:Fullerene Solar Cells. <i>Advanced Energy Materials</i> , 2013 , 3, 718-723	21.8	87
424	Effect of the End Group of Regioregular Poly(3-hexylthiophene) Polymers on the Performance of Polymer/Fullerene Solar Cells. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 8137-8141	3.8	87
423	Integrated thin-film polymer/fullerene photodetectors for on-chip microfluidic chemiluminescence detection. <i>Lab on A Chip</i> , 2007 , 7, 58-63	7.2	87
422	Understanding the Influence of Morphology on Poly(3-hexylselenothiophene):PCBM Solar Cells. <i>Macromolecules</i> , 2010 , 43, 1169-1174	5.5	86
421	Photoinduced absorption and photoluminescence in poly(2,5-dimethoxy-p-phenylene vinylene). <i>Physical Review B</i> , 1992 , 46, 7379-7389	3.3	86
420	Reduced graphene oxide electrodes for large area organic electronics. <i>Advanced Materials</i> , 2011 , 23, 1558-62	24	83
419	Polymer Transfer Printing: Application to Layer Coating, Pattern Definition, and Diode Dark Current Blocking. <i>Advanced Materials</i> , 2008 , 20, 1679-1683	24	83
418	Fluorescence spectroscopic behaviour of neat and blended conjugated polymer thin films. <i>Chemical Physics</i> , 1999 , 246, 445-462	2.3	83
417	Electroluminescent polymers: materials, physics and device engineering. <i>Current Opinion in Solid State and Materials Science</i> , 1996 , 1, 789-797	12	83
416	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> , 2012 , 105, 77-85	6.4	82
415	Improved organic semiconductor lasers based on a mixed-order distributed feedback resonator design. <i>Applied Physics Letters</i> , 2007 , 90, 131104	3.4	82
414	Optical limiting properties of a zinc porphyrin polymer and its dimer and monomer model compounds. <i>Chemical Physics</i> , 1998 , 231, 87-94	2.3	81
413	Composition dependence of electron and hole transport in polyfluorene:[6,6]-phenyl C61-butyric acid methyl ester blend films. <i>Applied Physics Letters</i> , 2003 , 83, 4764-4766	3.4	79
412	Efficient charge collection in hybrid polymer/TiO ₂ solar cells using poly(ethylenedioxythiophene)/polystyrene sulphonate as hole collector. <i>Applied Physics Letters</i> , 2005 , 86, 143101	3.4	78
411	Monodomain alignment of thermotropic fluorene copolymers. <i>Liquid Crystals</i> , 1999 , 26, 1403-1407	2.3	78

410	Synthesis and luminescence properties of novel ferrocene- β -aphthalimides dyads. <i>Journal of Organometallic Chemistry</i> , 2002 , 645, 168-175	2.3	77
409	Charge injection and transport in poly(p-phenylene vinylene) light emitting diodes. <i>Synthetic Metals</i> , 1993 , 57, 4128-4133	3.6	77
408	Photoinduced absorption of polymer solutions. <i>Physical Review B</i> , 1993 , 48, 14809-14817	3.3	77
407	Influence of aggregation on the optical properties of a polyfluorene 1997 ,		76
406	Enhanced performance of pulse driven small area polyfluorene light emitting diodes. <i>Applied Physics Letters</i> , 2001 , 79, 171-173	3.4	73
405	Low threshold blue conjugated polymer lasers with first- and second-order distributed feedback. <i>Applied Physics Letters</i> , 2006 , 89, 201108	3.4	72
404	Linear and nonlinear optical properties of the conjugated polymers PPV and MEH-PPV. <i>Physical Review B</i> , 1999 , 59, 15133-15142	3.3	72
403	Electroluminescence from a conjugated polymer microcavity structure. <i>Applied Physics Letters</i> , 1995 , 67, 1355-1357	3.4	72
402	Organic electroluminescence devices fabricated with chemical vapour deposited polyazomethine films. <i>Synthetic Metals</i> , 1996 , 83, 61-66	3.6	72
401	Correlation between conjugation length and non-radiative relaxation rate in poly(p-phenylene vinylene): a picosecond photoluminescence study. <i>Journal of Physics C: Solid State Physics</i> , 1987 , 20, L187-L194		72
400	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> , 2011 , 49, 717-724	2.6	71
399	Ambipolar organic transistors and near-infrared phototransistors based on a solution-processable squarilium dye. <i>Journal of Materials Chemistry</i> , 2010 , 20, 3673		71
398	Polarized emission from liquid crystal polymers. <i>Synthetic Metals</i> , 2000 , 111-112, 181-185	3.6	71
397	Organic semiconductor:insulator polymer ternary blends for photovoltaics. <i>Advanced Materials</i> , 2011 , 23, 4093-7	2.4	70
396	Towards microalbuminuria determination on a disposable diagnostic microchip with integrated fluorescence detection based on thin-film organic light emitting diodes. <i>Lab on A Chip</i> , 2005 , 5, 863-8	7.2	70
395	Optical excitations in poly(2,5-thienylene vinylene). <i>Physical Review B</i> , 1990 , 41, 10586-10594	3.3	70
394	Thickness-Dependent Thermal Transition Temperatures in Thin Conjugated Polymer Films \square <i>Macromolecules</i> , 2006 , 39, 7673-7680	5.5	69
393	Natures of optical absorption transitions and excitation energy dependent photostability of diketopyrrolopyrrole (DPP)-based photovoltaic copolymers. <i>Energy and Environmental Science</i> , 2015 , 8, 3222-3232	35.4	68

392	Advanced Ellipsometric Characterization of Conjugated Polymer Films. <i>Advanced Functional Materials</i> , 2014 , 24, 2116-2134	15.6	68
391	Electroluminescence and Laser Emission of Soluble Pure Red Fluorescent Molecular Glasses Based on Dithienylbenzothiadiazole. <i>Advanced Functional Materials</i> , 2009 , 19, 2978-2986	15.6	68
390	Influence of energetic disorder on electroluminescence emission in polymer:fullerene solar cells. <i>Physical Review B</i> , 2012 , 86,	3.3	67
389	Low-voltage ambipolar phototransistors based on a pentacene/PC61BM heterostructure and a self-assembled nano-dielectric. <i>Organic Electronics</i> , 2010 , 11, 1250-1254	3.5	67
388	High-performance organic integrated circuits based on solution processable polymer-small molecule blends. <i>Applied Physics Letters</i> , 2008 , 93, 253301	3.4	67
387	High-Performance Metal-Free Solar Cells Using Stamp Transfer Printed Vapor Phase Polymerized Poly(3,4-Ethylenedioxythiophene) Top Anodes. <i>Advanced Functional Materials</i> , 2012 , 22, 1454-1460	15.6	66
386	Raman Anisotropy Measurements: An Effective Probe of Molecular Orientation in Conjugated Polymer Thin Films. <i>Advanced Functional Materials</i> , 2003 , 13, 66-72	15.6	66
385	Highly sensitive fluorescence detection system for microfluidic lab-on-a-chip. <i>Lab on A Chip</i> , 2011 , 11, 1664-70	7.2	65
384	An Improved Optical Method for Determining the Order Parameter in Thin Oriented Molecular Films and Demonstration of a Highly Axial Dipole Moment for the Lowest Energy π Optical Transition in Poly(9,9-dioctylfluorene-co-bithiophene). <i>Advanced Functional Materials</i> , 2007 , 17, 479-485	15.6	65
383	Polariton emission from polysilane-based organic microcavities. <i>Applied Physics Letters</i> , 2003 , 82, 1812-1814	3.4	65
382	Electronic properties of ZnO field-effect transistors fabricated by spray pyrolysis in ambient air. <i>Applied Physics Letters</i> , 2009 , 95, 133507	3.4	64
381	General model for the description of the third-order optical nonlinearities in conjugated systems: Application to the all-trans β -carotene molecule. <i>Physical Review B</i> , 1997 , 55, 1505-1516	3.3	64
380	Thin-film polymer light emitting diodes as integrated excitation sources for microscale capillary electrophoresis. <i>Lab on A Chip</i> , 2004 , 4, 136-40	7.2	64
379	Polyfluorene distributed feedback lasers operating in the green-yellow spectral region. <i>Applied Physics Letters</i> , 2005 , 87, 031104	3.4	64
378	High efficiency flexible ITO-free polymer/fullerene photodiodes. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 3904-8	3.6	63
377	Photoexcited states in poly(3-alkyl thienylenes). <i>Journal of Physics Condensed Matter</i> , 1990 , 2, 5465-5477	1.8	63
376	Singlet exciton transfer and fullerene triplet formation in polymer-fullerene blend films. <i>Applied Physics Letters</i> , 2006 , 89, 101128	3.4	62
375	Location of the lowest even parity excited singlet state in poly(p-phenylenevinylene) by two-photon fluorescence spectroscopy. <i>Chemical Physics Letters</i> , 1993 , 201, 127-131	2.5	62

374	High performance, flexible polymer light-emitting diodes (PLEDs) with gravure contact printed hole injection and light emitting layers. <i>Organic Electronics</i> , 2010 , 11, 1088-1095	3.5	61
373	Location, Location, Location - Strategic Positioning of 2,1,3-Benzothiadiazole Units within Trigonal Quaterfluorene-Truxene Star-Shaped Structures. <i>Advanced Functional Materials</i> , 2013 , 23, 2792-2804	15.6	60
372	Organic Light-Emitting Diodes Based on Poly(9,9-dioctylfluorene-co-bithiophene) (F8T2). <i>Advanced Functional Materials</i> , 2009 , 19, 950-957	15.6	60
371	High efficiency organic light-emitting diodes with PEDOT-based conducting polymer anodes. <i>Journal of Materials Chemistry</i> , 2008 , 18, 4414		60
370	Ultrafast resonant optical switching in isolated polyfluorenes chains. <i>Applied Physics Letters</i> , 2005 , 86, 091113	3.4	60
369	Ultrafast Förster transfer dynamics in tetraphenylporphyrin doped poly(9,9-dioctylfluorene). <i>Chemical Physics Letters</i> , 2001 , 335, 27-33	2.5	60
368	Spectral conversion of InGaN ultraviolet microarray light-emitting diodes using fluorene-based red-, green-, blue-, and white-light-emitting polymer overlayer films. <i>Applied Physics Letters</i> , 2005 , 87, 103505	3.4	59
367	Efficient energy transfer in organic thin films—Implications for organic lasers. <i>Journal of Applied Physics</i> , 2002 , 92, 6367-6371	2.5	59
366	Solid-state-concentration effects on the optical absorption and emission of poly(p-phenylene vinylene)-related materials. <i>Physical Review B</i> , 1996 , 54, 5516-5522	3.3	59
365	Organic phototransistors with nanoscale phase-separated polymer/polymer bulk heterojunction layers. <i>Nanoscale</i> , 2011 , 3, 2275-9	7.7	58
364	Thin-film organic photodiodes for integrated on-chip chemiluminescence detection [Application to antioxidant capacity screening]. <i>Sensors and Actuators B: Chemical</i> , 2009 , 140, 643-648	8.5	58
363	X-ray stability and response of polymeric photodiodes for imaging applications. <i>Applied Physics Letters</i> , 2008 , 92, 023304	3.4	58
362	Patterning of organic devices by interlayer lithography. <i>Journal of Materials Chemistry</i> , 2007 , 17, 1043		58
361	Hole mobility within arylamine-containing polyfluorene copolymers: A time-of-flight transient-photocurrent study. <i>Physical Review B</i> , 2007 , 75,	3.3	58
360	Advantageous 3D Ordering of π -Conjugated Systems: A New Approach Towards Efficient Charge Transport in any Direction. <i>Advanced Materials</i> , 2007 , 19, 4438-4442	24	58
359	Efficient organic solar cells using copper(I) iodide (CuI) hole transport layers. <i>Applied Physics Letters</i> , 2015 , 106, 243302	3.4	57
358	Photophysical and Fluorescence Anisotropic Behavior of Polyfluorene π -Conformation Films. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 364-372	6.4	57
357	Efficient dipole-dipole coupling of Mott-Wannier and Frenkel excitons in (Ga,In)N quantum well/polyfluorene semiconductor heterostructures. <i>Physical Review B</i> , 2007 , 76,	3.3	57

356	Improving efficiency by balancing carrier transport in poly(9,9-dioctylfluorene) light-emitting diodes using tetraphenylporphyrin as a hole-trapping, emissive dopant. <i>Applied Physics Letters</i> , 2001 , 79, 3872-3874	3.4	57
355	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> , 2011 , 49, 45-51	2.6	56
354	Spectroscopic properties of poly(9,9-dioctylfluorene) thin films possessing varied fractions of β -phase chain segments: enhanced photoluminescence efficiency via conformation structuring. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 1995-2006	2.6	56
353	High mobility p-channel organic field effect transistors on flexible substrates using a polymer-small molecule blend. <i>Synthetic Metals</i> , 2009 , 159, 2365-2367	3.6	55
352	EFFICIENT POLYFLUORENE BASED SOLAR CELLS. <i>Synthetic Metals</i> , 2003 , 137, 1469-1470	3.6	55
351	Electroabsorption studies of phthalocyanine/perylene solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2000 , 63, 3-13	6.4	55
350	Polarized fluorescence and orientational order parameters of a liquid-crystalline conjugated polymer. <i>Physical Review B</i> , 1999 , 60, 277-283	3.3	55
349	Site-selective fluorescence spectroscopy of poly(p-phenylenevinylene)s and oligomeric model compounds. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1990 , 11, 415-421		55
348	A blue-emitting triazole-based conjugated polymer. <i>Advanced Materials</i> , 1997 , 9, 1174-1178	24	54
347	Understanding fundamental processes in poly(9,9-dioctylfluorene) light-emitting diodes via ultrafast electric-field-assisted pump-probe spectroscopy. <i>Physical Review Letters</i> , 2003 , 90, 247402	7.4	54
346	Dip-pen patterning of poly(9,9-dioctylfluorene) chain-conformation-based nano-photonic elements. <i>Nature Communications</i> , 2015 , 6, 5977	17.4	53
345	Distorted asymmetric cubic nanostructure of soluble fullerene crystals in efficient polymer:fullerene solar cells. <i>ACS Nano</i> , 2009 , 3, 2557-62	16.7	53
344	Glass transition temperatures of polymer thin films monitored by Raman scattering. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 721-728	1.8	53
343	A study of the different structural phases of the polymer poly(9,9'-dioctyl fluorene) using Raman spectroscopy. <i>Synthetic Metals</i> , 2001 , 116, 217-221	3.6	53
342	Polymer LEDs. <i>Physics World</i> , 1992 , 5, 42-47	0.5	53
341	Air-stable solution-processed hybrid transistors with hole and electron mobilities exceeding 2 cm ² V ⁻¹ s ⁻¹ . <i>Advanced Materials</i> , 2010 , 22, 3598-602	24	52
340	Role of electron injection in polyfluorene-based light emitting diodes containing PEDOT:PSS. <i>Physical Review B</i> , 2005 , 71,	3.3	52
339	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> , 1999 , 86, 5004-5011	2.5	52

338	Long-Range Proton Conduction across Free-Standing Serum Albumin Mats. <i>Advanced Materials</i> , 2016 , 28, 2692-8	24	52
337	Significant Stability Enhancement in High-Efficiency Polymer:Fullerene Bulk Heterojunction Solar Cells by Blocking Ultraviolet Photons from Solar Light. <i>Advanced Science</i> , 2016 , 3, 1500269	13.6	52
336	Electroluminescence in polymer films. <i>Nature</i> , 1997 , 386, 135-135	50.4	51
335	Emission processes in conjugated polymer solutions and thin films. <i>Chemical Physics Letters</i> , 1997 , 272, 6-12	2.5	51
334	Spectral properties of resonant-cavity, polyfluorene light-emitting diodes. <i>Applied Physics Letters</i> , 2000 , 77, 1262-1264	3.4	51
333	Triplet Formation in Fullerene Multi-Adduct Blends for Organic Solar Cells and Its Influence on Device Performance. <i>Advanced Functional Materials</i> , 2010 , 20, 2701-2708	15.6	50
332	Polymer light emission: control of properties through chemical structure and morphology. <i>Optical Materials</i> , 1998 , 9, 1-11	3.3	50
331	Radical ion pair mediated triplet formation in polymer-fullerene blend films. <i>Chemical Communications</i> , 2006 , 3939-41	5.8	50
330	Internal Field Screening in Polymer Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2004 , 14, 562-570	5.6	50
329	Raman and photoluminescence spectra of PPV oligomers. <i>Synthetic Metals</i> , 1991 , 41, 1277-1280	3.6	50
328	Structural studies of oriented precursor route conjugated polymers. <i>Synthetic Metals</i> , 1987 , 17, 473-478	3.6	50
327	Efficient flexible polymer light emitting diodes with conducting polymer anodes. <i>Journal of Materials Chemistry</i> , 2007 , 17, 3551		49
326	Excited-state quenching of a highly luminescent conjugated polymer. <i>Applied Physics Letters</i> , 2001 , 78, 1059-1061	3.4	49
325	Studies on the efficient synthesis of poly(phenylenevinylene) (PPV) and poly (dimethoxy phenylenevinylene) (dimethoxy-PPV). <i>Synthetic Metals</i> , 1991 , 41, 261-264	3.6	49
324	Copper thiocyanate: An attractive hole transport/extraction layer for use in organic photovoltaic cells. <i>Applied Physics Letters</i> , 2015 , 107, 013301	3.4	48
323	Bright red emission from single layer polymer light-emitting devices based on blends of regioregular P3HT and F8BT. <i>Current Applied Physics</i> , 2005 , 5, 222-226	2.6	48
322	Raman scattering in strongly coupled organic semiconductor microcavities. <i>Physical Review B</i> , 2001 , 63,	3.3	48
321	Ultrastable Supramolecular Self-Encapsulated Wide-Bandgap Conjugated Polymers for Large-Area and Flexible Electroluminescent Devices. <i>Advanced Materials</i> , 2019 , 31, e1804811	24	48

320	Confined surface plasmon-polariton amplifiers. <i>Nano Letters</i> , 2013 , 13, 1323-9	11.5	47
319	Device physics of highly sensitive thin film polyfluorene copolymer organic phototransistors. <i>Journal of Applied Physics</i> , 2010 , 107, 024509	2.5	46
318	Controlled Förster energy transfer in emissive polymer Langmuir-Blodgett structures. <i>Physical Review B</i> , 2004 , 69,	3.3	46
317	Extended π -conjugation in poly(p-phenylenevinylene) from a chemically modified precursor polymer. <i>Synthetic Metals</i> , 1993 , 55, 954-959	3.6	46
316	TiO ₂ thin-film transistors fabricated by spray pyrolysis. <i>Applied Physics Letters</i> , 2010 , 96, 082116	3.4	45
315	Spatial Patterning of the π -Phase in Poly(9,9-dioctylfluorene): A Metamaterials-Inspired Molecular Conformation Approach to the Fabrication of Polymer Semiconductor Optical Structures. <i>Advanced Functional Materials</i> , 2009 , 19, 3237-3242	15.6	44
314	An alignable fluorene thienothiophene copolymer with deep-blue electroluminescent emission at 410 nm. <i>Chemical Communications</i> , 2008 , 1079-81	5.8	44
313	Electrical conductivity and oxygen doping of vapour-deposited oligothiophene films. <i>Synthetic Metals</i> , 1996 , 76, 133-136	3.6	44
312	New light from hybrid inorganic-organic emitters. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 094006	3	43
311	Recent progress in polymers for electroluminescence: microcavity devices and electron transport polymers. <i>Thin Solid Films</i> , 1996 , 273, 39-47	2.2	43
310	Understanding the Nature of the States Responsible for the Green Emission in Oxidized Poly(9,9-dialkylfluorene)s: Photophysics and Structural Studies of Linear Dialkylfluorene/Fluorenone Model Compounds. <i>Advanced Functional Materials</i> , 2009 , 19, 2147-2154	15.6	42
309	Efficient optical gain media comprising binary blends of poly(3-hexylthiophene) and poly(9,9-dioctylfluorene-co-benzothiadiazole). <i>Journal of Applied Physics</i> , 2012 , 111, 123107	2.5	42
308	Spectral narrowing phenomena in the emission from a conjugated polymer. <i>Optical Materials</i> , 1998 , 9, 70-76	3.3	42
307	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> , 2015 , 5, 16457	4.9	40
306	Insoluble Poly [2-(2-ethylhexyloxy)-5-methoxy-1,4-phenylenevinylene] for Use in Multilayer Light-Emitting Diodes. <i>Advanced Materials</i> , 1997 , 9, 1171-1174	24	40
305	Optical studies of photoexcitations of poly(9,9-dioctyl fluorene). <i>Synthetic Metals</i> , 2000 , 111-112, 515-518	3.6	40
304	Electron transport in starburst phenylquinoxalines. <i>Applied Physics Letters</i> , 1999 , 75, 109-111	3.4	40
303	Light emission from poly(p-phenylene vinylene): A comparison between photo- and electro-luminescence. <i>Synthetic Metals</i> , 1991 , 43, 3135-3141	3.6	40

302	Efficient Deep Red Light-Sensing All-Polymer Phototransistors with p-type/n-type Conjugated Polymer Bulk Heterojunction Layers. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14983-14989	9.5	39
301	Well-defined and monodisperse linear and star-shaped quaterfluorene-DPP molecules: the significance of conjugation and dimensionality. <i>Advanced Materials</i> , 2011 , 23, 2093-7	24	39
300	Percolation behaviour in high mobility p-channel polymer/small-molecule blend organic field-effect transistors. <i>Organic Electronics</i> , 2011 , 12, 143-147	3.5	39
299	Deep-blue light emitting triazatruxene core/oligo-fluorene branch dendrimers for electroluminescence and optical gain applications. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 1896-1903		39
298	Elimination of hole injection barriers by conducting polymer anodes in polyfluorene light-emitting diodes. <i>Physical Review B</i> , 2006 , 74,	3.3	39
297	Nanoporous TiO ₂ solar cells sensitised with a fluorene θ hiophene copolymer. <i>Thin Solid Films</i> , 2004 , 451-452, 624-629	2.2	39
296	Strong coupling in organic semiconductor microcavities. <i>Semiconductor Science and Technology</i> , 2003 , 18, S419-S427	1.8	39
295	Charge separation in polyfluorene composites with internal donor/acceptor heterojunctions. <i>Synthetic Metals</i> , 2002 , 127, 261-265	3.6	39
294	Third Harmonic Generation in Precursor Route Poly(p-Phenylene Vinylene). <i>Japanese Journal of Applied Physics</i> , 1989 , 28, 174-177	1.4	39
293	1 GHz Pentacene Diode Rectifiers Enabled by Controlled Film Deposition on SAM-Treated Au Anodes. <i>Advanced Electronic Materials</i> , 2016 , 2, 1500282	6.4	39
292	Ambipolar Organic Phototransistors with p-Type/n-Type Conjugated Polymer Bulk Heterojunction Light-Sensing Layers. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600264	6.4	38
291	Optical gain at 650 nm from a polymer waveguide with dye-doped cladding. <i>Applied Physics Letters</i> , 2005 , 87, 231116	3.4	38
290	Initial transport of photogenerated charge carriers in π conjugated polymers. <i>Physical Review B</i> , 2003 , 67,	3.3	38
289	Deep level transient spectroscopy (DLTS) of a poly(p-phenylene vinylene) Schottky diode. <i>Synthetic Metals</i> , 2000 , 111-112, 273-276	3.6	38
288	An ultrafast spectroscopy study of stimulated emission in poly(9,9-dioctylfluorene) films and microcavities. <i>Applied Physics Letters</i> , 1999 , 74, 2767-2769	3.4	38
287	Photoexcitation in poly(arylenevinylenes). <i>Synthetic Metals</i> , 1987 , 17, 645-650	3.6	38
286	Plasmonic sinks for the selective removal of long-lived states. <i>ACS Nano</i> , 2011 , 5, 9958-65	16.7	37
285	Charge separation and fullerene triplet formation in blend films of polyfluorene polymers with [6,6]-phenyl C ₆₁ butyric acid methyl ester. <i>Dalton Transactions</i> , 2009 , 10000-5	4.3	37

284	2,3,7,8,12,13-Hexaaryltruxenes: an ortho-substituted multiarm design and microwave-accelerated synthesis toward starburst macromolecular materials with well-defined pi delocalization. <i>Chemistry - A European Journal</i> , 2010 , 16, 8471-9	4.8	37
283	Exploring the potential of ellipsometry for the characterisation of electronic, optical, morphologic and thermodynamic properties of polyfluorene thin films. <i>Synthetic Metals</i> , 2005 , 155, 279-282	3.6	37
282	In-Situ Monitoring of the Solid-State Microstructure Evolution of Polymer:Fullerene Blend Films Using Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2011 , 21, 356-363	15.6	36
281	A New Electron-withdrawing Group Containing Poly(1,4-phenylenevinylene). <i>Macromolecules</i> , 1999 , 32, 111-117	5.5	36
280	Spectroscopic investigation of the electro-optic nonlinearity in poly(2,5-thienylene vinylene). <i>Journal of Applied Physics</i> , 1992 , 71, 1064-1066	2.5	36
279	Host Exciton Confinement for Enhanced Förster-Transfer-Blend Gain Media Yielding Highly Efficient Yellow-Green Lasers. <i>Advanced Functional Materials</i> , 2018 , 28, 1705824	15.6	35
278	Polymer chain/nanocrystal ordering in thin films of regioregular poly(3-hexylthiophene) and blends with a soluble fullerene. <i>Soft Matter</i> , 2006 , 3, 117-121	3.6	35
277	Hole-transporting compounds for multi-layer polymer light-emitting diodes. <i>Synthetic Metals</i> , 1993 , 57, 4163-4167	3.6	35
276	Increase in chain conjugation length in highly oriented Durham-route polyacetylene. <i>Journal of Physics C: Solid State Physics</i> , 1985 , 18, L283-L289		35
275	Steric-Hindrance-Functionalized Polydiarylfluorenes: Conformational Behavior, Stabilized Blue Electroluminescence, and Efficient Amplified Spontaneous Emission. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37856-37863	9.5	34
274	The Effect of Organic and Metal Oxide Interfacial layers on the Performance of Inverted Organic Photovoltaics. <i>Advanced Energy Materials</i> , 2013 , 3, 391-398	21.8	34
273	Influence of polymer ionization potential on the open-circuit voltage of hybrid polymer/TiO ₂ solar cells. <i>Applied Physics Letters</i> , 2008 , 92, 053308	3.4	34
272	Raman scattering as a probe of morphology in conjugated polymer thin films. <i>Journal of Applied Physics</i> , 2002 , 92, 1154-1161	2.5	34
271	Transient photoconductivity in highly oriented poly(p-phenylenevinylene). <i>Journal of Physics C: Solid State Physics</i> , 1988 , 21, L515-L522		34
270	Polyacetylene-based polyelectrolyte as a universal interfacial layer for efficient inverted polymer solar cells. <i>Organic Electronics</i> , 2017 , 48, 61-67	3.5	33
269	Influence of the Hole Transporting Layer on the Thermal Stability of Inverted Organic Photovoltaics Using Accelerated-Heat Lifetime Protocols. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14136-14144	9.5	33
268	Model for Energy Transfer in Polymer/Dye Blends Based on Point-Surface Dipole Interaction. <i>Chemistry of Materials</i> , 2004 , 16, 4705-4710	9.6	33
267	Characterization of a high-thermal-stability spiroanthracene-fluorene-based blue-light-emitting polymer optical gain medium. <i>Journal of Applied Physics</i> , 2005 , 98, 083101	2.5	33

266	Optical studies of electric fields in poly(2-methoxy-5-ethyl (2?-hexyloxy) para-phenylene vinylene) light-emitting diodes. <i>Applied Physics Letters</i> , 1999 , 74, 3714-3716	3.4	33
265	Synthesis and characterisation of a conjugated reactive mesogen. <i>Journal of Materials Chemistry</i> , 1999 , 9, 2985-2989		33
264	Control of photoluminescence emission from a conjugated polymer using an optimised microactivity structure. <i>Chemical Physics Letters</i> , 1996 , 263, 655-660	2.5	33
263	Femtosecond transient absorption measurements in poly(arylenevinylene)s. <i>Synthetic Metals</i> , 1993 , 55, 15-21	3.6	33
262	Fluorene-based cathode interlayer polymers for high performance solution processed organic optoelectronic devices. <i>Organic Electronics</i> , 2014 , 15, 1244-1253	3.5	32
261	Electroabsorption studies of PPV and MEH-PPV. <i>Optical Materials</i> , 1998 , 9, 88-93	3.3	32
260	Significant improvements in the optical gain properties of oriented liquid crystalline conjugated polymer films. <i>Synthetic Metals</i> , 2005 , 155, 274-278	3.6	32
259	Degradation in blue-emitting conjugated polymer diodes due to loss of ohmic hole injection. <i>Applied Physics Letters</i> , 2004 , 84, 921-923	3.4	32
258	Influence of the orientation of liquid crystalline poly(9,9-dioctylfluorene) on its lasing properties in a planar microcavity. <i>Applied Physics Letters</i> , 2002 , 80, 4088-4090	3.4	32
257	Determination of the average molecular weight of poly(P-phenylenevinylene). <i>Synthetic Metals</i> , 1993 , 55, 902-907	3.6	32
256	Conformational defects in Durham-route polyacetylene. <i>Synthetic Metals</i> , 1986 , 13, 101-112	3.6	32
255	>10% Efficiency Polymer:Fullerene Solar Cells with Polyacetylene-Based Polyelectrolyte Interlayers. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600415	4.6	31
254	Charge mobility anisotropy of functionalized pentacenes in organic field effect transistors fabricated by solution processing. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 10110-10115	7.1	31
253	Non-linear stark effect in polyazomethine and poly(p-phenylene-vinylene): The interconnection of chemical and electronic structure. <i>Chemical Physics</i> , 1998 , 227, 133-151	2.3	31
252	Investigation of amplified spontaneous emission in oriented films of a liquid crystalline conjugated polymer. <i>Synthetic Metals</i> , 2003 , 139, 727-730	3.6	31
251	Investigations on the grating dynamics in a fast photorefractive guest-host polymer. <i>Chemical Physics Letters</i> , 1999 , 311, 41-46	2.5	31
250	Novel BODIPY-based conjugated polymers donors for organic photovoltaic applications. <i>RSC Advances</i> , 2013 , 3, 10221	3.7	30
249	Surface and subsurface morphology of operating nanowire:fullerene solar cells revealed by photoconductive-AFM. <i>Energy and Environmental Science</i> , 2011 , 4, 3646	35.4	30

248	Dimensionality of electronic excitations in organic semiconductors: A dielectric function approach. <i>Physical Review B</i> , 2007 , 76,	3.3	30
247	Optical gain characteristics of π -phase poly(9,9-dioctylfluorene). <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 056205	1.8	30
246	Completely polarized photoluminescence emission from a microcavity containing an aligned conjugated polymer. <i>Chemical Physics Letters</i> , 2001 , 341, 219-224	2.5	30
245	Transient capacitance measurements of the transport and trap states distributions in a conjugated polymer. <i>Organic Electronics</i> , 2000 , 1, 21-26	3.5	30
244	Red-light-emitting diodes via efficient energy transfer from poly(9,9-dioctylfluorene) to tetraphenylporphyrin. <i>Synthetic Metals</i> , 2000 , 111-112, 203-206	3.6	30
243	Device degradation of polymer light emitting diodes studied by electroabsorption measurements. <i>Applied Physics Letters</i> , 1999 , 75, 2144-2146	3.4	30
242	Hybrid organic/metal oxide multilayer channel transistors with high operational stability. <i>Nature Electronics</i> , 2019 , 2, 587-595	28.4	30
241	Micron-scale patterning of high conductivity poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) for organic field-effect transistors. <i>Organic Electronics</i> , 2010 , 11, 1307-1312	3.5	29
240	Effective stimulated emission and excited-state absorption cross-section spectra of poly(m-phenylenevinylene-co-2,5-dioctoxy-p-phenylenevinylene) and t,t'-didecylcycloxy-II-distyrylbenzene. <i>Chemical Physics</i> , 1997 , 224, 315-326	2.3	29
239	Bright and efficient blue and green light-emitting diodes based on conjugated polymer blends. <i>Synthetic Metals</i> , 2000 , 111-112, 159-163	3.6	29
238	High brightness conjugated polymer LEDs. <i>Synthetic Metals</i> , 2000 , 111-112, 151-153	3.6	29
237	Emission Enhanced and Stabilized by Stereoisomeric Strategy in Hierarchical Uniform Supramolecular Framework. <i>Chem</i> , 2019 , 5, 2470-2483	16.2	28
236	Correlating Emissive Non-Geminate Charge Recombination with Photocurrent Generation Efficiency in Polymer/Perylene Diimide Organic Photovoltaic Blend Films. <i>Advanced Functional Materials</i> , 2012 , 22, 2318-2326	15.6	28
235	Solution processed low-voltage organic transistors and complementary inverters. <i>Applied Physics Letters</i> , 2009 , 95, 103310	3.4	28
234	Blue polymer optical fiber amplifiers based on conjugated fluorene oligomers. <i>Journal of Nanophotonics</i> , 2008 , 2, 023504	1.1	28
233	Wavelength Conversion from Silica to Polymer Optical Fibre Communication Wavelengths via Ultrafast Optical Gain Switching in a Distributed Feedback Polymer Laser. <i>Advanced Materials</i> , 2007 , 19, 4054-4057	24	28
232	Effect of electron-transport polymer addition to polymer/fullerene blend solar cells. <i>Synthetic Metals</i> , 2005 , 152, 105-108	3.6	28
231	Rib waveguide dye-doped polymer amplifier with up to 26dB optical gain at 625nm. <i>Applied Physics Letters</i> , 2004 , 85, 5137-5139	3.4	28

230	An investigation of the emission solvatochromism of a fluorene-triarylamine copolymer studied by time resolved spectroscopy. <i>Journal of Materials Chemistry</i> , 1999 , 9, 2151-2154		28
229	Hybrid bulk heterojunction solar cells based on blends of TiO ₂ nanorods and P3HT. <i>Comptes Rendus Physique</i> , 2008 , 9, 110-118	1.4	27
228	Planar heterojunction organic photovoltaic diodes via a novel stamp transfer process. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 475203	1.8	27
227	Electrical transport characteristics of single-layer organic devices from theory and experiment. <i>Journal of Applied Physics</i> , 2005 , 98, 063709	2.5	27
226	Influence of poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) in polymer LEDs. <i>Physical Review B</i> , 2006 , 74,	3.3	27
225	Solar cells from thermally treated polymer/dye blends with good spectral coverage. <i>Synthetic Metals</i> , 2003 , 139, 637-641	3.6	27
224	High performance blue light-emitting diodes based on conjugated polymer blends. <i>Synthetic Metals</i> , 2001 , 121, 1729-1730	3.6	27
223	Optical constants measurement of luminescent polymer films. <i>Optics Communications</i> , 1999 , 163, 24-28	2	27
222	Solution-processed anthracene-based molecular glasses as stable blue-light-emission laser gain media. <i>Organic Electronics</i> , 2015 , 18, 95-100	3.5	26
221	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> , 2015 , 3, 2358-2365	7.1	26
220	Fluorine containing C60 derivatives for high-performance electron transporting field-effect transistors and integrated circuits. <i>Applied Physics Letters</i> , 2008 , 92, 143310	3.4	26
219	Dynamics of Förster transfer in polyfluorene-based polymer blends and Langmuir-Blodgett nanostructures. <i>Synthetic Metals</i> , 2003 , 139, 787-790	3.6	26
218	Effect of temperature on the spectral line-narrowing in MEH-PPV. <i>Chemical Physics Letters</i> , 2000 , 322, 51-56	2.5	26
217	Electroluminescence from a soluble poly(p-phenylenevinylene) derivative generated using a scanning tunneling microscope. <i>Applied Physics Letters</i> , 1997 , 71, 2008-2010	3.4	25
216	Electroluminescent properties of a family of dialkoxy PPV derivatives. <i>Synthetic Metals</i> , 1997 , 91, 305-306	6	25
215	Photophysics of charge transfer in a polyfluorene/violanthrone blend. <i>Physical Review B</i> , 2005 , 71,	3.3	25
214	On the use of optical probes to monitor the thermal transitions in spin-coated poly(9,9-dioctylfluorene) films. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 6307-6318	1.8	25
213	Intrachain ordered polyfluorene. <i>Synthetic Metals</i> , 2000 , 111-112, 579-581	3.6	25

212	Influence of alkoxy substituents on the exciton binding energy of conjugated polymers. <i>Synthetic Metals</i> , 2000 , 111-112, 527-530	3.6	25
211	Blue-Shifted Electroluminescence from a Stable Precursor to Poly(P -Phenylene Vinylene). <i>Molecular Crystals and Liquid Crystals</i> , 1992 , 216, 111-116		25
210	Delayed luminescence spectroscopy of organic photovoltaic binary blend films: Probing the emissive non-geminate charge recombination. <i>Advanced Materials</i> , 2010 , 22, 5183-7	24	24
209	Charge trapping in polymer diodes. <i>Optical Materials</i> , 1998 , 9, 114-119	3.3	24
208	Pixelated multicolor microcavity displays. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1998 , 4, 113-118	3.8	24
207	Hybrid inorganic/organic microstructured light-emitting diodes produced using photocurable polymer blends. <i>Applied Physics Letters</i> , 2007 , 90, 031116	3.4	24
206	Monte Carlo modelling of hole transport in MDMO-PPV: PCBM blends. <i>Journal of Materials Science</i> , 2005 , 40, 1393-1398	4.3	24
205	Signatures of excitons and polaron pairs in the femtosecond excited-state absorption spectra of phenylene-based conjugated polymers and oligomers. <i>Synthetic Metals</i> , 1999 , 101, 291-294	3.6	24
204	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 & Interfaces</i> , 2015 , 7, 15995-6002	9.5	22
203	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> , 2015 , 53, 22-38	2.6	22
202	Random lasing in low molecular weight organic thin films. <i>Applied Physics Letters</i> , 2011 , 99, 041114	3.4	22
201	The change in refractive index of poly(9,9-dioctylfluorene) due to the adoption of the π -phase chain conformation. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 466107	1.8	22
200	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> , 2016 , 8, e235-e235	10.3	21
199	On the use and influence of electron-blocking interlayers in polymer light-emitting diodes. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 3455-62	3.6	21
198	Low-threshold lasers based on a high-mobility semiconducting polymer. <i>Applied Physics Letters</i> , 2006 , 88, 081104	3.4	21
197	Polarized electroluminescence from photocrosslinkable nematic fluorene bisacrylates 2001 , 4105, 338		21
196	Photoinduced absorption of structurally improved poly(p-phenylene vinylene) - no evidence for bipolarons. <i>Synthetic Metals</i> , 1993 , 55, 230-234	3.6	21
195	Electron Hopping Across Hemin-Doped Serum Albumin Mats on Centimeter-Length Scales. <i>Advanced Materials</i> , 2017 , 29, 1700810	24	20

194	Hierarchical Uniform Supramolecular Conjugated Spherulites with Suppression of Defect Emission. <i>IScience</i> , 2019 , 16, 399-409	6.1	20
193	Wavelength-tunable and white-light emission from polymer-converted micropixelated InGaN ultraviolet light-emitting diodes. <i>Journal of Optics</i> , 2006 , 8, S445-S449		20
192	Supramolecular Polymer-Molecule Complexes as Gain Media for Ultraviolet Lasers. <i>ACS Macro Letters</i> , 2016 , 5, 967-971	6.6	20
191	Highly-efficient solution-processed phosphorescent multi-layer organic light-emitting diodes investigated by electromodulation spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 95, 113-124	1.9	19
190	The Effect of Ionization Potential and Film Morphology on Exciplex Formation and Charge Generation in Blends of Polyfluorene Polymers and Silole Derivatives. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 14533-14539	3.8	19
189	Mapping the confined optical field in a microcavity via the emission from a conjugated polymer. <i>Applied Physics Letters</i> , 1997 , 71, 744-746	3.4	19
188	Optical non-linearity in β -carotene: new insight from electroabsorption spectroscopy. <i>Chemical Physics Letters</i> , 1997 , 277, 406-416	2.5	19
187	Exciton polaritons in single and coupled microcavities. <i>Journal of Luminescence</i> , 2000 , 87-89, 25-29	3.8	19
186	Temperature dependence of the spectral line narrowing and photoluminescence of MEH-PPV. <i>Synthetic Metals</i> , 2000 , 111-112, 531-534	3.6	19
185	Electro-absorption spectroscopy of thienylene derived conjugated polymers. <i>Synthetic Metals</i> , 1991 , 41, 875-878	3.6	19
184	Understanding the molecular gelation processes of heteroatomic conjugated polymers for stable blue polymer light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6762-6770	7.1	18
183	Systematic investigation of self-organization behavior in supramolecular π -conjugated polymer for multi-color electroluminescence. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1535-1542	7.1	18
182	Soluble fullerene derivatives: The effect of electronic structure on transistor performance and air stability. <i>Journal of Applied Physics</i> , 2011 , 110, 014506	2.5	18
181	White light emission via cascade Förster energy transfer in (Ga, In)N quantum well/polymer blend hybrid structures. <i>Nanotechnology</i> , 2009 , 20, 275207	3.4	18
180	Flexible multilayer inverted polymer light-emitting diodes with a gravure contact printed Cs ₂ CO ₃ electron injection layer. <i>Applied Physics Letters</i> , 2011 , 98, 103306	3.4	18
179	Measurement of the diffusivity of fullerenes in polymers using bilayer organic field effect transistors. <i>Physical Review B</i> , 2011 , 84,	3.3	18
178	Rapid patterning of single-wall carbon nanotubes by interlayer lithography. <i>Small</i> , 2010 , 6, 2530-4	11	18
177	Influence of carrier injection on the electromodulation response of trap-rich polymer light-emitting diodes. <i>Journal of Applied Physics</i> , 2006 , 99, 114502	2.5	18

176	Injection and charge transport in polyfluorene polymers. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 725, 1		18
175	Modelling of asymmetric excitons in organic microcavities. <i>Synthetic Metals</i> , 2000 , 111-112, 377-379	3.6	18
174	Trap-free, space-charge-limited currents in a polyfluorene copolymer using pretreated indium tin oxide as a hole injecting contact. <i>Synthetic Metals</i> , 2001 , 122, 161-163	3.6	18
173	Photodegradation of some luminescent polymers. <i>Chemical Physics</i> , 1999 , 248, 273-284	2.3	18
172	Conformational defects in Durham polyacetylene. <i>Synthetic Metals</i> , 1987 , 17, 267-272	3.6	18
171	Low-Voltage Solution-Processed Hybrid Light-Emitting Transistors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 18445-18449	9.5	18
170	Large-area plastic nanogap electronics enabled by adhesion lithography. <i>Npj Flexible Electronics</i> , 2018 , 2,	10.7	18
169	High-Efficiency Polymer LEDs with Fast Response Times Fabricated via Selection of Electron-Injecting Conjugated Polyelectrolyte Backbone Structure. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26566-71	9.5	17
168	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> , 2015 , 53, 1492-1506	2.6	17
167	Influence of alkyl chain length on charge transport in symmetrically substituted poly(2,5-dialkoxy-p-phenylenevinylene) polymers. <i>Physical Review B</i> , 2009 , 79,	3.3	17
166	Influence of side chain symmetry on the performance of poly(2,5-dialkoxy-p-phenylenevinylene): fullerene blend solar cells. <i>Organic Electronics</i> , 2009 , 10, 562-567	3.5	17
165	Correlation between microstructure and charge transport in poly(2,5-dimethoxy-p-phenylenevinylene) thin films. <i>Physical Review B</i> , 2007 , 76,	3.3	17
164	Anomalous Raman scattering from the surface of conjugated polymer melts. <i>Physical Review B</i> , 2001 , 64,	3.3	17
163	Light-emitting polymer LEDs 1994 , 2144, 108		17
162	Synthesis and characterisation of doped and undoped poly(2,5-dimethoxy phenylene vinylene). <i>Synthetic Metals</i> , 1991 , 41, 931-934	3.6	17
161	Control of order in poly(arylene vinylene) conjugated polymers. <i>Synthetic Metals</i> , 1991 , 41, 301-304	3.6	17
160	Controlling Molecular Conformation for Highly Efficient and Stable Deep-Blue Copolymer Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11070-11082	9.5	16
159	On the determination of anisotropy in polymer thin films: A comparative study of optical techniques. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008 , 5, 1270-1273		16

158	A characterization of Rhodamine 640 for optical amplification: Collinear pump and signal gain properties in solutions, thin-film polymer dispersions, and waveguides. <i>Journal of Applied Physics</i> , 2005 , 97, 073517	2.5	16
157	Hybrid polaritons in strongly coupled microcavities: experiments and models. <i>Journal of Luminescence</i> , 2004 , 110, 347-353	3.8	16
156	Dispersive and non-dispersive hole transport in fluorene-arylamine copolymers. <i>Macromolecular Symposia</i> , 2004 , 212, 415-420	0.8	16
155	Electroabsorption spectroscopy of distyrylbenzene derivatives. <i>Chemical Physics</i> , 2000 , 257, 41-49	2.3	16
154	Observation of strong exciton-photon coupling in semiconductor microcavities containing organic dyes and J-aggregates. <i>Optical Materials</i> , 1999 , 12, 243-247	3.3	16
153	Organic light-emitting diodes (LEDs) based on Langmuir-Blodgett films containing rare-earth complexes. <i>Synthetic Metals</i> , 1996 , 76, 91-93	3.6	16
152	Chemical control of colour and electroluminescent device efficiency in copolymeric poly(arylenevinylenes). <i>Synthetic Metals</i> , 1993 , 55, 936-941	3.6	16
151	Structural order in poly(p-phenylene vinylene). <i>Synthetic Metals</i> , 1993 , 55, 434-439	3.6	16
150	Quadratic electro-optic non-linearity of a conjugated porphyrin polymer measured in the Q-band one-photon resonance region. <i>Advanced Materials for Optics and Electronics</i> , 1994 , 4, 277-283		16
149	Charge-Carrier Density Independent Mobility in Amorphous Fluorene-Triarylamine Copolymers. <i>Advanced Functional Materials</i> , 2016 , 26, 3720-3729	15.6	16
148	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> , 2016 , 22, 147-153	3.8	15
147	Pronounced Side Chain Effects in Triple Bond-Conjugated Polymers Containing Naphthalene Diimides for n-Channel Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 12921-12929	9.5	15
146	Room temperature dielectric bistability in solution-processed spin crossover polymer thin films. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6240-6248	7.1	15
145	Application of fluorescence scanning near-field optical microscopy to the study of phase-separated conjugated polymers. <i>Ultramicroscopy</i> , 1998 , 71, 275-279	3.1	15
144	On the nature of the fluorenone-based emission in oxidized poly(dialkyl-fluorene)s. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 045220	1.8	15
143	Operating characteristics of a traveling-wave semiconducting polymer optical amplifier. <i>Applied Physics Letters</i> , 2004 , 85, 6122-6124	3.4	15
142	Limiting Intersystem Crossing in Conjugated Polymers by Molecular Design. <i>Advanced Materials</i> , 2002 , 14, 57-60	24	15
141	Langmuir and Langmuir-Blodgett (LB) film properties of poly(9,9-dioctylfluorene). <i>Materials Science and Engineering C</i> , 2003 , 23, 541-544	8.3	15

140	Hole and electron transport in poly(9,9-dioctylfluorene) and poly (9,9-dioctylfluorene- co -benzothiadiazole) 2004 , 5214, 141		15
139	Electro-Absorption Spectroscopy on Poly(Arylene Vinylene)s. <i>Molecular Crystals and Liquid Crystals</i> , 1992 , 216, 117-121		15
138	The electronic structure of poly (p-phenylene vinylene). <i>Chemical Physics</i> , 1992 , 160, 299-306	2.3	15
137	Light-Emitting Transistors Based on Solution-Processed Heterostructures of Self-Organized Multiple-Quantum-Well Perovskite and Metal-Oxide Semiconductors. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800985	6.4	14
136	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> , 2012 , 96, 112-116	6.4	14
135	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> , 2015 , 53, 1481-1491	2.6	14
134	Understanding the role of ultra-thin polymeric interlayers in improving efficiency of polymer light emitting diodes. <i>Journal of Applied Physics</i> , 2014 , 115, 204508	2.5	14
133	Complementary circuits based on solution processed low-voltage organic field-effect transistors. <i>Synthetic Metals</i> , 2009 , 159, 2368-2370	3.6	14
132	Electric field-induced quenching of photoluminescence in a blend of electron and hole transporting polyfluorene. <i>Synthetic Metals</i> , 2003 , 139, 859-862	3.6	14
131	Determination of the linear optical constants of poly(9,9-dioctylfluorene). <i>Synthetic Metals</i> , 2001 , 119, 535-536	3.6	14
130	Characterisation of polymers for semiconductor applications. <i>Polymer International</i> , 1991 , 26, 3-16	3.3	14
129	Heteroatomic Conjugated Polymers and the Spectral Tuning of Electroluminescence via a Supramolecular Coordination Strategy. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1807-1813	4.8	14
128	Photovoltaic limitations of BODIPY:fullerene based bulk heterojunction solar cells. <i>Synthetic Metals</i> , 2017 , 226, 25-30	3.6	13
127	Impact of Fullerene Molecular Weight on P3HT:PCBM Microstructure Studied Using Organic Thin-Film Transistors. <i>Advanced Energy Materials</i> , 2011 , 1, 1176-1183	21.8	13
126	Optical studies of molecular aggregates: The photophysics of a thienylene vinylene oligomer. <i>Physical Review B</i> , 2002 , 65,	3.3	13
125	Characterization of the emission from a conjugated polymer microcavity. <i>Synthetic Metals</i> , 1996 , 76, 129-132	3.6	13
124	A new main-chain thermotropic liquid-crystalline polymer based on a substituted cyanostilbene: synthesis, thermo-optic observations and linear electro-optic effect measurements. <i>Synthetic Metals</i> , 1993 , 61, 159-162	3.6	13
123	The effect of side groups on the structure and ordering of poly(p-phenylene vinylene) derivatives. <i>Synthetic Metals</i> , 1993 , 55, 449-453	3.6	13

122	Thermally Stable Zinc Disalphen Macrocycles Showing Solid-State and Aggregation-Induced Enhanced Emission. <i>Inorganic Chemistry</i> , 2017 , 56, 5688-5695	5.1	12
121	Nano-crater morphology in hybrid electron-collecting buffer layers for high efficiency polymer:nonfullerene solar cells with enhanced stability. <i>Nanoscale Horizons</i> , 2019 , 4, 464-471	10.8	12
120	Enhanced and Polarization-Dependent Coupling for Photoaligned Liquid Crystalline Conjugated Polymer Microcavities. <i>ACS Photonics</i> , 2020 , 7, 746-758	6.3	12
119	Surface plasmon coupled emission using conjugated light-emitting polymer films [Invited]. <i>Optical Materials Express</i> , 2011 , 1, 1127	2.6	12
118	Excitation intensity-dependent fluorescence behaviour of some luminescent polymers. <i>Polymer</i> , 1998 , 39, 3651-3656	3.9	12
117	Effect of aggregation on photocurrent generation in polyfluorene doped with violanthrone. <i>Synthetic Metals</i> , 2003 , 137, 1471-1472	3.6	12
116	Semiconducting polyfluorenes as materials for solid-state polymer lasers across the visible spectrum. <i>Synthetic Metals</i> , 2004 , 140, 117-120	3.6	12
115	Photophysics of a poly(phenylenevinylene) with alternating meta-phenylene and para-phenylene rings. <i>Physical Review B</i> , 2000 , 62, 15718-15723	3.3	12
114	Cavity mode polarisation splitting in organic semiconductor microcavities. <i>Synthetic Metals</i> , 2001 , 116, 497-500	3.6	12
113	Electroluminescence applications of a poly(phenyl quinoxaline). <i>Synthetic Metals</i> , 1996 , 76, 105-108	3.6	12
112	Electromodulated absorption of alkyl substituted polythiophenes and polythienylenevinylenes. <i>Synthetic Metals</i> , 1993 , 55, 85-90	3.6	11
111	Electro-optical properties of polymeric semiconductor devices constructed from poly (3-hexyl thienylene). <i>Synthetic Metals</i> , 1991 , 41, 1045-1050	3.6	11
110	Nanoscale current spreading analysis in solution-processed graphene oxide/silver nanowire transparent electrodes via conductive atomic force microscopy. <i>Journal of Applied Physics</i> , 2016 , 119, 195501	2.5	11
109	Singlet excimer electroluminescence within N,N'-di-1-naphthalenyl-N,N'-diphenyl-[1,1'-biphenyl]-4,4'-diamine based diodes. <i>Applied Physics Letters</i> , 2006 , 89, 041914	3.4	10
108	Quantum efficiency and initial transport of photogenerated charge carriers in π -conjugated polymers. <i>Synthetic Metals</i> , 2003 , 139, 811-813	3.6	10
107	Conjugated reactive mesogens. <i>Synthetic Metals</i> , 2000 , 111-112, 413-415	3.6	10
106	Electroabsorption spectroscopy of β -carotene and β -bis(1,1-dimethylheptyl)-1,3,5,7,9,11,13,15-hexadecaoctaene. <i>Synthetic Metals</i> , 1996 , 76, 35-38	3.6	10
105	Electroluminescent devices made with conjugated polymers 1993 , 1910, 84		10

104	Electroluminescence-, conductivity-, and photoconductivity-detected magnetic resonance study of poly(p-phenylenevinylene)-based light emitting diodes. <i>Synthetic Metals</i> , 1993 , 55, 241-248	3.6	10
103	Transient absorption and reflectivity studies of poly(2,5-thienylene vinylene). <i>Synthetic Metals</i> , 1991 , 41, 1377-1380	3.6	10
102	The Importance of Microstructure in Determining Polaron Generation Yield in Poly(9,9-dioctylfluorene). <i>Chemistry of Materials</i> , 2019 , 31, 6787-6797	9.6	9
101	Efficient and Stable Solution-Processed Organic Light-Emitting Transistors Using a High-k Dielectric. <i>ACS Photonics</i> , 2019 , 6, 3159-3165	6.3	9
100	Correlating Non-Geminate Recombination with Film Structure: A Comparison of Polythiophene: Fullerene Bilayer and Blend Films. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 3669-76	6.4	9
99	Thickness Effect of Bulk Heterojunction Layers on the Performance and Stability of Polymer:Fullerene Solar Cells with Alkylthiothiophene-Containing Polymer. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9263-9270	8.3	9
98	Organic electronics and photonics: concluding remarks. <i>Faraday Discussions</i> , 2014 , 174, 429-38	3.6	9
97	Optical properties of edge-linked polymer porphyrin LB films. <i>Thin Solid Films</i> , 1996 , 284-285, 648-651	2.2	9
96	Optical probes of electronics states injected into poly(p-phenylenevinylene) electroluminescent devices. <i>Synthetic Metals</i> , 1993 , 57, 4117-4122	3.6	9
95	Comment on "Observation of the photorefractive effect in a polymer". <i>Physical Review Letters</i> , 1991 , 67, 2589	7.4	9
94	All-polymer phototransistors with bulk heterojunction sensing layers of thiophene-based electron-donating and thienopyrroledione-based electron-accepting polymers. <i>Organic Electronics</i> , 2016 , 39, 199-206	3.5	9
93	Polarized Luminescence from Oriented Molecular Materials 1999 , 11, 895		9
92	Fully Solution-Processed Photonic Structures from Inorganic/Organic Molecular Hybrid Materials and Commodity Polymers. <i>Advanced Functional Materials</i> , 2019 , 29, 1808152	15.6	8
91	Azobenzene Sulphonic Dye Photoalignment as a Means to Fabricate Liquid Crystalline Conjugated Polymer Chain-Orientation-Based Optical Structures. <i>Advanced Optical Materials</i> , 2020 , 8, 1901958	8.1	8
90	The photovoltaic effect in poly(p-phenylene-2,3?-bis(3,2?-diphenyl)-quinoxaline-7-7?-diyl). <i>Optical Materials</i> , 1998 , 9, 99-103	3.3	8
89	TOF mobility measurements in pristine films of P3HT: control of hole injection and influence of film thickness 2006 , 6334, 16		8
88	Time-resolved PL studies of partially conjugated MEH-PPV control of excimer emission. <i>Synthetic Metals</i> , 2001 , 119, 575-576	3.6	8
87	Aggregation effects in the conjugated oligomer tetrathienylene-vinylene (otv-4). <i>Synthetic Metals</i> , 1999 , 101, 665-666	3.6	8

86	The synthesis of an electronically asymmetric substituted poly(arylenevinylene); poly{2-(2'-ethylhexyloxy)-5-[(E)-4'-nitrostyryl]-1,4-phenylenevinylene}. <i>Journal of Materials Chemistry</i> , 1996 , 6, 1253-1258		8
85	Electroluminescence from dysprosium- and neodymium-containing LB films. <i>Thin Solid Films</i> , 1996 , 284-285, 644-647	2.2	8
84	Theoretical study of the electronic structure of poly(2,5-dimethoxyparaphenylenevinylene) and its oligomers. <i>Synthetic Metals</i> , 1993 , 57, 4290-4295	3.6	8
83	Photophysical and Transport Properties of a Novel Soluble Conjugated Polymer Based on Zn-Porphyrin Units Edge-Linked by Acetylenic Spacers. <i>Molecular Crystals and Liquid Crystals</i> , 1994 , 256, 415-422		8
82	Nonlinear optical properties of poly(arylenevinylene) polymers. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1990 , 37, 247-256		8
81	Efficient LEDs with a conjugated co-polymer as the emissive layer. <i>Optical Materials</i> , 1998 , 9, 173-177	3.3	7
80	Novel polymer systems for deep UV microlens arrays. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 094003		7
79	Breath figure pattern formation as a means to fabricate micro-structured organic light-emitting diodes. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 016203	1.8	7
78	Ultrafast spectroscopic studies in polyfluorene: [6,6]-phenyl C61-butyric acid methyl ester blend films: monitoring the photoinduced charge transfer process. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 8105-8116	1.8	7
77	Alternating and direct current characterization and photoinduced absorption studies of modified conjugated polymer thin films. <i>Journal of Applied Physics</i> , 2004 , 95, 6138-6144	2.5	7
76	Optical coupling of Frenkel excitons in organic semiconductor microcavities. <i>Synthetic Metals</i> , 2001 , 124, 37-40	3.6	7
75	Two-Photon Laser-Written Photoalignment Layers for Patterning Liquid Crystalline Conjugated Polymer Orientation. <i>Advanced Functional Materials</i> , 2021 , 31, 2007493	15.6	7
74	Influence of surface-related states on the carrier dynamics in (Ga,In)N/GaN single quantum wells. <i>Applied Physics Letters</i> , 2009 , 94, 203102	3.4	6
73	Comparison between bulk and field effect mobility in polyfluorene copolymer field effect transistors 2003 ,		6
72	Ohmic hole injection into a polyfluorene homopolymer 2004 ,		6
71	Balancing electron and hole currents in single layer poly(9,9-dioctylfluorene) light-emitting diodes 2002 ,		6
70	Photoinduced absorption of polyalkylthienylenevinylenes. <i>Synthetic Metals</i> , 1993 , 55, 206-211	3.6	6
69	Electroabsorption Spectroscopy of Rigid Rod Polymers PBZT and PBTPV. <i>Molecular Crystals and Liquid Crystals</i> , 1994 , 256, 583-589		6

68	Electro-Optic Spectroscopy of Poly(3-Octylthiophene). <i>Molecular Crystals and Liquid Crystals</i> , 1994 , 256, 591-596		6
67	Quadratic Electro-Optic Response of a Conjugated Porphyrin Polymer. <i>Molecular Crystals and Liquid Crystals</i> , 1994 , 256, 649-655		6
66	Electronic structure of poly(p-phenylenevinylene) and poly(2,5-thienylenevinylene). <i>Synthetic Metals</i> , 1991 , 41, 1353-1357	3.6	6
65	Polymer Light-Emitting Transistors With Charge-Carrier Mobilities Exceeding $1 \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$. <i>Advanced Electronic Materials</i> , 2020 , 6, 1901132	6.4	6
64	Poly(2-alkyl-2-oxazoline) electrode interlayers for improved n-type organic field effect transistor performance. <i>Applied Physics Letters</i> , 2019 , 115, 143302	3-4	5
63	A strong regioregularity effect in self-organizing conjugated polymer films and high-efficiency polythiophene: fullerene solar cells 2010 , 63-69		5
62	Comparative study of space-charge effects in polymer light emitting diodes by means of reflection electro-optic and electroabsorption techniques. <i>Physical Review B</i> , 2004 , 69,	3-3	5
61	Control of conjugation in poly(arylenevinylene)s. <i>Synthetic Metals</i> , 2001 , 119, 269-270	3.6	5
60	Tuneability of the ASE in thin organic films. <i>Synthetic Metals</i> , 2001 , 121, 1759-1760	3.6	5
59	Organic bioelectronics: general discussion. <i>Faraday Discussions</i> , 2014 , 174, 413-28	3.6	4
58	Molecular electronics: general discussion. <i>Faraday Discussions</i> , 2014 , 174, 125-51	3.6	4
57	Spectroscopic and morphological investigation of conjugated photopolymerisable quinquethiophene liquid crystals. <i>Current Applied Physics</i> , 2012 , 12, e59-e66	2.6	4
56	An efficient method-of-lines simulation procedure for organic semiconductor devices. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 1636-46	3.6	4
55	Light emitting polymer blends and diffractive optical elements in high-speed direct laser writing of microstructures. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 094009	3	4
54	Modelling of the laser dynamics of electrically pumped organic semiconductor laser diodes 2005 ,		4
53	Organic light emitting diodes and photodetectors: Toward applications in lab-on-a-chip portable devices 2005 , 6036, 406		4
52	Transient studies of deep traps in electroluminescent polymers 1999 ,		4
51	Photophysics of an Alkyl Substituted Poly(p-phenylenevinylene). <i>Synthetic Metals</i> , 1999 , 101, 259-260	3.6	4

50	Optoelectronic Device Physics Based on Conjugated Polymers. <i>Molecular Crystals and Liquid Crystals</i> , 1992 , 216, 33-38		4
49	Slow Energy Transfer in Self-Doped π -Conformation Film of Steric Polydiarylfluorenes toward Stable Dual Deep-Blue Amplified Spontaneous Emission. <i>Advanced Optical Materials</i> , 2100723	8.1	4
48	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> , 2021 , 33, e2100421	24	4
47	P-208: Flexible OLEDs with Anodes Formed by Vapour Phase Polymerization. <i>Digest of Technical Papers SID International Symposium</i> , 2008 , 39, 1989	0.5	3
46	Fluorescence lifetime imaging using a compact, low-cost, diode-based all-solid-state regenerative amplifier. <i>Review of Scientific Instruments</i> , 2004 , 75, 1264-1267	1.7	3
45	Transport and recombination dynamics studies of polymer/fullerene based solar cells. <i>Macromolecular Symposia</i> , 2004 , 205, 1-8	0.8	3
44	Hole injection and transport in a fluorene-containing copolymer. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 734, 631		3
43	Liquid crystalline orientation of polyfluorenes for polarized electroluminescence devices 2000 , 3939, 172		3
42	Optical studies of polymer light-emitting diodes using electroabsorption measurements. <i>Synthetic Metals</i> , 2000 , 111-112, 241-244	3.6	3
41	Investigation of photoluminescence efficiency in thin polymer films of poly(m-phenylenevinylene-co-2,5-dioctyloxy-p-phenylenevinylene). <i>Synthetic Metals</i> , 2001 , 121, 1405-1406	3.6	3
40	Optically detected magnetic resonance studies of novel hetero-aromatic conjugated polymers. <i>Synthetic Metals</i> , 2001 , 119, 573-574	3.6	3
39	Nonlinear optical susceptibility of conjugated polymers: d.c. Kerr effect. <i>Synthetic Metals</i> , 1995 , 71, 1689-1690	3.6	3
38	The evolution of the electronic structure of polyacetylene, poly(p-phenylene), and the copolymer poly(p-phenylenevinylene) as studied by photoelectron spectroscopy. <i>Synthetic Metals</i> , 1991 , 41, 1315-1318	3.6	3
37	Organic photovoltaics and energy: general discussion. <i>Faraday Discussions</i> , 2014 , 174, 341-55	3.6	2
36	Patterning and integration of polyfluorene polymers on micro-pixelated UV AlInGaN light-emitting diodes. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 094008	3	2
35	Thermodynamic constants for excimer formation and dissociation in oxidized poly(9,9-dioctylfluorene) (PFO) 2004 ,		2
34	The Photophysics of Thin Polymer Films of Poly-(meta-phenylene-co-2,5-dioctoxy-para-phenylenevinylene). <i>Monatshefte für Chemie</i> , 2001 , 132, 151-158	1.4	2
33	Studies of the internal electric field in organic light-emitting diodes and solar cells by electroabsorption spectroscopy 2000 ,		2

32	Excited state inhibition of luminescence in DPOP-PPV. <i>Synthetic Metals</i> , 2001 , 119, 567-568	3.6	2
31	Charge injection from indium tin oxide into a starburst amine and its implications for organic light-emitting diodes 1998 ,		2
30	Charge injection into OLEDs during operation studied by Electroabsorption screening. <i>Synthetic Metals</i> , 1999 , 102, 1075-1076	3.6	2
29	Bright and efficient blue light-emitting diodes based on conjugated polymer blends 1999 ,		2
28	Electroluminescence from multilayer conjugated polymer devices--spatial control of exciton formation and emission 1993 , 1910, 111		2
27	Conjugated polymers for electronic, optoelectronic, and all optical device application. <i>IEEE Transactions on Electron Devices</i> , 1991 , 38, 2688-2689	2.9	2
26	Exciton versus band description of the absorption spectrum in poly(p-phenylene vinylene). <i>Synthetic Metals</i> , 1991 , 41, 1249	3.6	2
25	Conduction and trapping in electroluminescent polymer devices 1998 ,		2
24	Bottom Contact Metal Oxide Interface Modification Improving the Efficiency of Organic Light Emitting Diodes. <i>Materials</i> , 2020 , 13,	3.5	2
23	Giant clam inspired high-speed photo-conversion for ultraviolet optical wireless communication. <i>Optical Materials Express</i> , 2021 , 11, 1515	2.6	2
22	Chain Conformation Control of Fluorene-Benzothiadiazole Copolymer Light-Emitting Diode Efficiency and Lifetime. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 2919-2931	9.5	2
21	A Compact Device for the Efficient, Electrically Driven Generation of Highly Circularly Polarized Light 2001 , 13, 577		2
20	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> , 2018 , 28, 1870115	15.6	1
19	Gravure contact printing of flexible, high-performance polymer light emitting diodes for large-area displays and lighting. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1340, 1		1
18	Electroabsorption spectroscopy of poly(m-phenylenevinylene-co-2,5-dioctoxy-p-phenylenevinylene) and related materials 1997 ,		1
17	Organic light-emitting diodes based on lateral-substituted distyrylbenzenes. <i>Materials Science and Engineering C</i> , 2002 , 22, 393-400	8.3	1
16	Ultrafast electric field-assisted pump-probe spectroscopy in poly(9,9-dioctylfluorene) light-emitting diodes. <i>Synthetic Metals</i> , 2003 , 139, 663-666	3.6	1
15	Spatially resolved electric fields in polymer light-emitting diodes using fluorescence lifetime imaging. <i>Synthetic Metals</i> , 2003 , 139, 925-928	3.6	1

14	26dB optical gain in a rib waveguide dye-doped polymer amplifier operating at 625 nm 2005 ,		1
13	Dynamics of space charge distributions in side-chain PPV LEDs. <i>Synthetic Metals</i> , 2001 , 124, 45-48	3.6	1
12	Optically detected magnetic resonance studies of tetrathienylene vinylene. <i>Synthetic Metals</i> , 1999 , 102, 926-927	3.6	1
11	Organic-inorganic hybrid composites as an electron injection layer in highly efficient inverted green-emitting polymer LEDs. <i>Organic Electronics</i> , 2020 , 77, 105496	3.5	1
10	Polarized Luminescence from Oriented Molecular Materials 1999 , 11, 895		1
9	Properties and Applications of Copper(I) Thiocyanate Hole-Transport Interlayers Processed from Different Solvents. <i>Advanced Electronic Materials</i> , 2101253	6.4	0
8	Paper No 19.2: Large-Area Printed Transparent Electrodes for Flexible Organic Light-Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2013 , 44, 282-284	0.5	
7	Paper No P33: Large-Area Printed Transparent Electrodes for Flexible Organic Light-Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2013 , 44, 112-114	0.5	
6	Photonics: general discussion. <i>Faraday Discussions</i> , 2014 , 174, 235-53	3.6	
5	Triazole-containing copolymer for use as an electron transport material in multilayer LEDs 1997 , 3148, 178		
4	Solution Processed Self-Assembled Monolayer Gate Dielectrics for Low-Voltage Organic Transistors. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1114, 90201		
3	P-153: Internal Electric Field Study for Green Phosphorescent Polymer Light-Emitting Diodes with Crosslinked Interlayers. <i>Digest of Technical Papers SID International Symposium</i> , 2007 , 38, 776-779	0.5	
2	Substituted PPV for blue light. <i>Synthetic Metals</i> , 1999 , 102, 1120-1121	3.6	
1	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> , 2020 , 257, 2000235	1.3	