

Paul C Dastoor

List of Publications by Year in descending order

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207
papers

5,150
citations

76196

40
h-index

118652

62
g-index

211
all docs

211
docs citations

211
times ranked

5630
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex optical elements for scanning helium microscopy through 3D printing. Journal Physics D: Applied Physics, 2022, 55, 095305.	1.3	3
2	Standardizing resolution definition in scanning helium microscopy. Ultramicroscopy, 2022, 233, 113453.	0.8	2
3	An Economic LED Solar Simulator Design. IEEE Journal of Photovoltaics, 2022, 12, 521-525.	1.5	6
4	Surfactant Engineering and Its Role in Determining the Performance of Nanoparticulate Organic Photovoltaic Devices. ACS Omega, 2022, 7, 9212-9220.	1.6	6
5	Low-Temperature CVD-Grown Graphene Thin Films as Transparent Electrode for Organic Photovoltaics. Coatings, 2022, 12, 681.	1.2	5
6	Printing of PEDOT:PSS for top gate organic thin film transistor. Journal of Physics: Conference Series, 2021, 1763, 012078.	0.3	2
7	Nanomorphology of eco-friendly colloidal inks, relating non-fullerene acceptor surface energy to structure formation. Materials Chemistry Frontiers, 2021, 5, 2218-2233.	3.2	15
8	Plasmonic enhancement of aqueous processed organic photovoltaics. RSC Advances, 2021, 11, 19000-19011.	1.7	3
9	Temperature-Modulated Doping at Polymer Semiconductor Interfaces. ACS Applied Electronic Materials, 2021, 3, 1384-1393.	2.0	0
10	Controlling Nanostructure in Inkjet Printed Organic Transistors for Pressure Sensing Applications. Nanomaterials, 2021, 11, 1185.	1.9	7
11	Advanced Control of Drug Delivery for <i>In Vivo</i> Health Applications via Highly Biocompatible Self-Assembled Organic Nanoparticles. ACS Applied Bio Materials, 2021, 4, 6338-6350.	2.3	6
12	Organic Semiconductors for Optically Triggered Neural Interfacing: The Impact of Device Architecture in Determining Response Magnitude and Polarity. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-12.	1.9	13
13	Remote Learning Facilitated by MyScope Explore. Microscopy Today, 2021, 29, 42-48.	0.2	1
14	A nuanced approach for assessing OPV materials for large scale applications. Sustainable Energy and Fuels, 2020, 4, 940-949.	2.5	16
15	Fast neutral atom microscopy: An optimisation framework for stagnation detectors. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107263.	2.5	7
16	Relating nanoscale structure to optoelectronic functionality in multiphase donor-acceptor nanoparticles for printed electronics applications. MRS Communications, 2020, 10, 600-608.	0.8	4
17	Developing a Portable Organic Solar Cell Kit Suitable for Students to Fabricate and Test Solar Cells in the Laboratory. Journal of Chemical Education, 2020, 97, 3751-3757.	1.1	12
18	Multiple scattering in scanning helium microscopy. Applied Physics Letters, 2020, 116, .	1.5	10

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19	Role of Morphology of Surfactant-Free Nanoparticles in Organic Photovoltaics. Journal of Electronic Materials, 2020, 49, 4168-4179.	1.0	4
20	Unravelling donor-acceptor film morphology formation for environmentally-friendly OPV ink formulations. Green Chemistry, 2019, 21, 5090-5103.	4.6	31
21	The role of surface energy control in organic photovoltaics based on solar paints. Journal of Materials Chemistry A, 2019, 7, 9202-9214.	5.2	16
22	Contribution of Fullerene Photocurrent Generation to Organic Solar Cell Performance. Journal of Physical Chemistry C, 2019, 123, 11950-11958.	1.5	9
23	Taxonomy through the lens of neutral helium microscopy. Scientific Reports, 2019, 9, 2148.	1.6	10
24	Role of Stabilizing Surfactants on Capacitance, Charge, and Ion Transport in Organic Nanoparticle-Based Electronic Devices. ACS Applied Materials & Interfaces, 2019, 11, 10074-10088.	4.0	22
25	Building intermixed donor-acceptor architectures for water-processable organic photovoltaics. Physical Chemistry Chemical Physics, 2019, 21, 5705-5715.	1.3	27
26	Experimental determination of the relationship between the elements of a back-to-back diode model for organic photovoltaic cells S-shaped I-V characteristics and cell structure. AIP Advances, 2019, 9, 025014.	0.6	4
27	Roll-to-roll solvent annealing of printed P3HT/PC ₆₁ BY60 devices. RSC Advances, 2019, 9, 42294-42305.	1.7	5
28	Modular LED arrays for large area solar simulation. Progress in Photovoltaics: Research and Applications, 2019, 27, 179-189.	4.4	21
29	A building-block approach to the development of an equivalent circuit model for organic photovoltaic cells. Organic Electronics, 2018, 58, 207-215.	1.4	10
30	Optimization, characterization and upscaling of aqueous solar nanoparticle inks for organic photovoltaics using low-cost donor:acceptor blend. Organic Electronics, 2018, 52, 71-78.	1.4	9
31	The origin of performance limitations in miniemulsion nanoparticulate organic photovoltaic devices. Solar Energy Materials and Solar Cells, 2018, 175, 77-88.	3.0	38
32	Exploration of the Direct Arylation Polymerization Method for the Practical Application of Conjugated Materials: Synthetic Scale-Up, Solar Cell Performance, and Cost Analyses. Macromolecular Chemistry and Physics, 2018, 219, 1800272.	1.1	20
33	Optimisation of purification techniques for the preparation of large-volume aqueous solar nanoparticle inks for organic photovoltaics. Beilstein Journal of Nanotechnology, 2018, 9, 649-659.	1.5	8
34	Poly(2,3-dihexylthieno[3,4-b]pyrazine-alt-2,3-dihexylquinoxaline): Processible, Low-Bandgap, Ambipolar-Acceptor Frameworks via Direct Arylation Polymerization. Synlett, 2018, 29, 2542-2546.	1.0	6
35	Image formation in the scanning helium microscope. Ultramicroscopy, 2018, 192, 7-13.	0.8	11
36	Environmentally friendly preparation of nanoparticles for organic photovoltaics. Organic Electronics, 2018, 59, 432-440.	1.4	28

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37	Organic electronics incorporating crown ethers as Na + binding elements, towards a simple printable hydration sensor. <i>Medical Devices & Sensors</i> , 2018, 1, e10001.	2.7	2
38	Advantages and Limitations of Current Imaging Techniques for Characterizing Liposome Morphology. <i>Frontiers in Pharmacology</i> , 2018, 9, 80.	1.6	116
39	Engineering Two-Phase and Three-Phase Microstructures from Water-Based Dispersions of Nanoparticles for Eco-Friendly Polymer Solar Cell Applications. <i>Chemistry of Materials</i> , 2018, 30, 6521-6531.	3.2	25
40	Organic Bioelectronics: Materials and Biocompatibility. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2382.	1.8	102
41	Active Layer Morphology in Organic Photovoltaics. <i>Materials and Energy</i> , 2018, , 121-163.	2.5	0
42	Diketopyrrolopyrrole-based polymer:fullerene nanoparticle films with thermally stable morphology for organic photovoltaic applications. <i>MRS Communications</i> , 2017, 7, 67-73.	0.8	11
43	Opportunities and challenges in probing local composition of organic material blends for photovoltaics. <i>Journal of Materials Research</i> , 2017, 32, 1982-1992.	1.2	1
44	Energy level engineering in ternary organic solar cells: Evaluating exciton dissociation at organic semiconductor interfaces. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	5
45	Comparing three techniques to determine the water vapour transmission rates of polymers and barrier films. <i>Surfaces and Interfaces</i> , 2017, 9, 182-188.	1.5	23
46	Low-temperature processed solar cells with formamidinium tin halide perovskite/fullerene heterojunctions. <i>Nano Research</i> , 2016, 9, 1570-1577.	5.8	88
47	Engineering vertical morphology with nanoparticulate organic photovoltaic devices. <i>Organic Electronics</i> , 2016, 32, 250-257.	1.4	19
48	A thermodynamic and kinetic description of PCBM phase segregation and aggregation in P3HT:PCBM blends. <i>Organic Electronics</i> , 2016, 38, 15-20.	1.4	2
49	Comparison of inorganic electron transport layers in fully roll-to-roll coated/printed organic photovoltaics in normal geometry. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15986-15996.	5.2	23
50	Highly compact and uniform CH ₃ NH ₃ Sn _{0.5} Pb _{0.5} I ₃ films for efficient panchromatic planar perovskite solar cells. <i>Science Bulletin</i> , 2016, 61, 1558-1562.	4.3	25
51	Utilizing Energy Transfer in Binary and Ternary Bulk Heterojunction Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20928-20937.	4.0	32
52	A simple counter-flow cooling system for a supersonic free-jet beam source assembly. <i>Review of Scientific Instruments</i> , 2016, 87, 053301.	0.6	2
53	A low-cost mixed fullerene acceptor blend for printed electronics. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10274-10281.	5.2	37
54	Matrix assisted low temperature growth of graphene. <i>Carbon</i> , 2016, 107, 325-331.	5.4	11

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55	Fully roll-to-roll prepared organic solar cells in normal geometry with a sputter-coated aluminium top-electrode. <i>Solar Energy Materials and Solar Cells</i> , 2016, 149, 103-109.	3.0	35
56	Comparing the degradation of organic photovoltaic devices under ISOS testing protocols. <i>Solar Energy Materials and Solar Cells</i> , 2016, 149, 179-186.	3.0	18
57	Activation of Organic Photovoltaic Light Detectors Using Bend Leakage from Optical Fibers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7928-7937.	4.0	12
58	Nano-pathways: Bridging the divide between water-processable nanoparticulate and bulk heterojunction organic photovoltaics. <i>Nano Energy</i> , 2016, 19, 495-510.	8.2	75
59	Unlocking new contrast in a scanning helium microscope. <i>Nature Communications</i> , 2016, 7, 10189.	5.8	43
60	A new model for PCBM phase segregation in P3HT:PCBM blends. <i>Organic Electronics</i> , 2016, 30, 12-17.	1.4	18
61	Combining Printing, Coating, and Vacuum Deposition on the Roll-to-Roll Scale: A Hybrid Organic Photovoltaics Fabrication. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 112-125.	1.9	36
62	Molecular versus crystallite PCBM diffusion in P3HT:PCBM blends. <i>AIP Advances</i> , 2015, 5, 097220.	0.6	14
63	Printable organic thin film transistors for glucose detection incorporating inkjet-printing of the enzyme recognition element. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	32
64	Probing the origin of photocurrent in nanoparticulate organic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2015, 140, 412-421.	3.0	35
65	<i><i>Model & Metaphor</i></i> : A Case Study of a New Methodology for Art/Science Residencies. <i>Leonardo</i> , 2015, 48, 419-423.	0.2	3
66	Vertical and lateral morphology effects on solar cell performance for a thiopheneâ€“quinoxaline copolymer:PC₇₀BM blend. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6970-6979.	5.2	46
67	Rollâ€“toâ€“Roll Sputter Coating of Aluminum Cathodes for Largeâ€“Scale Fabrication of Organic Photovoltaic Devices. <i>Energy Technology</i> , 2015, 3, 428-436.	1.8	31
68	A highly contrasting scanning helium microscope. <i>Review of Scientific Instruments</i> , 2015, 86, 023704.	0.6	28
69	Bias-dependent effects in planar perovskite solar cells based on CH ₃ NH ₃ PbI ₃ â€“Cl films. <i>Journal of Colloid and Interface Science</i> , 2015, 453, 9-14.	5.0	11
70	The effect of mesomorphology upon the performance of nanoparticulate organic photovoltaic devices. <i>Solar Energy Materials and Solar Cells</i> , 2015, 138, 102-108.	3.0	16
71	Real poly(p-phenylene vinylene) features from near-field scanning optical lithography and the implications for further modelling. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 325101.	1.3	0
72	Levelised cost of electricity for organic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2015, 133, 26-31.	3.0	63

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73	Organic Thin-Film Transistor (OTFT)-Based Sensors. Electronics (Switzerland), 2014, 3, 234-254.	1.8	93
74	A dynamic Monte Carlo study of anomalous current voltage behaviour in organic solar cells. Journal of Applied Physics, 2014, 116, 214509.	1.1	2
75	The effect of calcium-induced fullerene migration on the performance of thermally stable nanoparticle organic solar cells. Journal of Applied Physics, 2014, 116, 124502.	1.1	5
76	Detection of saliva-range glucose concentrations using organic thin-film transistors. Applied Physics Letters, 2014, 105, .	1.5	35
77	Enhanced regeneration of degraded polymer solar cells by thermal annealing. Applied Physics Letters, 2014, 104, .	1.5	17
78	Solution processable interface materials for nanoparticulate organic photovoltaic devices. Applied Physics Letters, 2014, 104, 043902.	1.5	7
79	A design for a pinhole scanning helium microscope. Nuclear Instruments & Methods in Physics Research B, 2014, 340, 76-80.	0.6	27
80	Development of a permanent magnet alternative for a solenoidal ion source. Nuclear Instruments & Methods in Physics Research B, 2014, 340, 85-89.	0.6	7
81	Printable sensors for explosive detonation. Applied Physics Letters, 2014, 105, 143301.	1.5	11
82	Mapping chemical concentration in binary thin organic films via multi-wavelength scanning absorption microscopy (MWSAM). Measurement Science and Technology, 2014, 25, 095901.	1.4	3
83	Solar Paint: From Synthesis to Printing. Polymers, 2014, 6, 2832-2844.	2.0	15
84	Single-step annealing and encapsulation for organic photovoltaics using an exothermally-setting encapsulant material. Solar Energy Materials and Solar Cells, 2014, 124, 75-78.	3.0	12
85	A projection of commercial-scale organic photovoltaic module costs. Solar Energy Materials and Solar Cells, 2014, 120, 9-17.	3.0	110
86	Surfactant-free nanoparticulate organic photovoltaics. Solar Energy Materials and Solar Cells, 2014, 121, 99-107.	3.0	50
87	Water-based nanoparticulate solar cells using a diketopyrrolopyrrole donor polymer. Physical Chemistry Chemical Physics, 2014, 16, 2647.	1.3	23
88	The effect of polymer molecular weight on P3HT:PCBM nanoparticulate organic photovoltaic device performance. Solar Energy Materials and Solar Cells, 2014, 128, 369-377.	3.0	47
89	Comparative Degradation and Regeneration of Polymer Solar Cells with Different Cathodes. ACS Applied Materials & Interfaces, 2014, 6, 5281-5289.	4.0	17
90	Determining the structural motif of P3HT:PCBM nanoparticulate organic photovoltaic devices. Solar Energy Materials and Solar Cells, 2013, 110, 43-48.	3.0	73

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91	Development of a multi-wavelength photocurrent mapping system. Measurement Science and Technology, 2013, 24, 105604.	1.4	4
92	Low temperature growth of graphene-based carbon electrodes for organic solar cells. , 2013, , .		0
93	Probing the structureâ€“function relationship in pC6TP:PCBM based organic photonic devices. Solar Energy Materials and Solar Cells, 2013, 110, 8-14.	3.0	4
94	The role of miscibility in polymer:fullerene nanoparticulate organic photovoltaic devices. Nano Energy, 2013, 2, 897-905.	8.2	82
95	An equivalent circuit model for ternary blend P3HT:pC6TP:PCBM low band gap devices. Solar Energy Materials and Solar Cells, 2013, 114, 65-70.	3.0	4
96	Novel low voltage and solution processable organic thin film transistors based on water dispersed polymer semiconductor nanoparticulates. Journal of Colloid and Interface Science, 2013, 401, 65-69.	5.0	24
97	Nano-domain behaviour in P3HT:PCBM nanoparticles, relating material properties to morphological changes. Solar Energy Materials and Solar Cells, 2013, 117, 437-445.	3.0	60
98	Synthesis and photovoltaic performance of donorâ€“acceptor polymers containing benzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophene with thienyl substituents. Journal of Polymer Science Part A, 2013, 51, 2622-2630.	2.5	16
99	Harvesting light. Nature Photonics, 2013, 7, 425-426.	15.6	9
100	Modelling transport in nanoparticle organic solar cells using Monte Carlo methods. Applied Physics Letters, 2013, 103, 193306.	1.5	10
101	Jumping, Rotating, and Flapping: The Atomic-Scale Motion of Thiophene on Cu(111). Journal of Physical Chemistry Letters, 2013, 4, 1953-1958.	2.1	14
102	Fabrication of Large-Area Organic Photovoltaics Using a Draw-Bar Coating Technique. Materials Research Society Symposia Proceedings, 2013, 1529, 1.	0.1	0
103	Non-Dependence of Polymer to PCBM Weight Ratio on the Performance of Bulk Heterojunction Solar Cells with Benzodithiophene Donor Polymer. Science of Advanced Materials, 2013, 5, 512-518.	0.1	3
104	Organic Solar Cells: Understanding the Role of FÃ¶rster Resonance Energy Transfer. International Journal of Molecular Sciences, 2012, 13, 17019-17047.	1.8	111
105	Effect of a calcium cathode on water-based nanoparticulate solar cells. Applied Physics Letters, 2012, 101, 053901.	1.5	10
106	Synthesis of indium oxide nanowires encapsulated in amorphous carbon nanostructures on indium tin oxide substrate. Materials Research Innovations, 2012, 16, 101-104.	1.0	4
107	A desktop supersonic free-jet beam source for a scanning helium microscope (SHeM). Measurement Science and Technology, 2012, 23, 105901.	1.4	13
108	Templated growth of poly(<i>p</i> -phenylenevinylene) nanostructures by chemical vapour deposition. Materials Research Innovations, 2012, 16, 91-95.	1.0	0

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109	Field emission from single-, double-, and multi-walled carbon nanotubes chemically attached to silicon. <i>Journal of Applied Physics</i> , 2012, 111, 044326.	1.1	8
110	Influence of the Alkyl Substituents Spacing on the Solar Cell Performance of Benzodithiophene Semiconducting Polymers. <i>Macromolecules</i> , 2012, 45, 772-780.	2.2	26
111	Towards the development of a virtual organic solar cell: An experimental and dynamic Monte Carlo study of the role of charge blocking layers and active layer thickness. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	15
112	Improved field emission stability from single-walled carbon nanotubes chemically attached to silicon. <i>Nanoscale Research Letters</i> , 2012, 7, 432.	3.1	11
113	A knife-edge measurement of the beam profile of STXM 5.3.2.2 using a focussed ion beam milled metallic glass. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2012, 185, 453-457.	0.8	4
114	Exciton transport in organic semiconductors: Förster resonance energy transfer compared with a simple random walk. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	43
115	Single Crystal X-ray, AFM, NEXAFS, and OFET Studies on Angular Polycyclic Aromatic Silyl-Capped 7,14-Bis(ethynyl)dibenzo[b,def]chrysenes. <i>Crystal Growth and Design</i> , 2012, 12, 725-731.	1.4	29
116	Field ionization detection of helium using a planar array of carbon nanotubes. <i>Physical Review B</i> , 2012, 85, .	1.1	10
117	A study of the factors influencing the performance of ternary MEH-PPV:porphyrin:PCBM heterojunction devices: Electronic effects in porphyrinoid ternary blend bulk heterojunction photovoltaic devices. <i>Solar Energy Materials and Solar Cells</i> , 2012, 98, 308-316.	3.0	17
118	A multilayered approach to polyfluorene water-based organic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2012, 102, 114-124.	3.0	65
119	The fabrication and characterization of poly(4-vinylpyridine)-based thin film transistors exhibiting enhanced ion modulation. <i>Organic Electronics</i> , 2012, 13, 153-158.	1.4	7
120	Plasmonic nanostructure embedded within photoactive layer for enhanced power conversion efficiency of organic solar cells. , 2011, , .		0
121	Fullerene Contribution to Photocurrent Generation in Organic Photovoltaic Cells. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7801-7805.	1.5	45
122	Scanning transmission x-ray microscopy of polymer nanoparticles: probing morphology on sub-10 nm length scales. <i>Nanotechnology</i> , 2011, 22, 265710.	1.3	50
123	FDTD modeling to enhance the performance of an organic solar cell embedded with gold nanoparticles. <i>Optical Materials Express</i> , 2011, 1, 1326.	1.6	28
124	Comparing Model Parameters of Bulk Heterojunction and Nanoparticulate Photovoltaic Cells Using a Two-diode Model. , 2011, , .		0
125	High-Performance Thin Film Transistor from Solution-Processed P3HT Polymer Semiconductor Nanoparticles. , 2011, , .		1
126	Surfactant Free P3HT $\hat{\cdot}$ PCBM Nanoparticles for Organic Photovoltaics (OPV). <i>AIP Conference Proceedings</i> , 2011, , .	0.3	9

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127	New moderate bandgap polymers containing alkoxy-substituted benzo[<i>c</i>][1,2,5]thiadiazole and thiophene-based units. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4387-4397.	2.5	22
128	A study of the factors influencing the performance of ternary MEH-PPV:porphyrin:PCBM heterojunction devices: A steric approach to controlling charge recombination. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 1767-1774.	3.0	34
129	Organic solar cells: evaluation of the stability of P3HT using time-delayed degradation. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
130	Field ionization detectors: a comparative model. <i>Measurement Science and Technology</i> , 2011, 22, 015901.	1.4	3
131	Development of an improved field ionization detector incorporating a secondary electron stage. <i>Measurement Science and Technology</i> , 2011, 22, 115902.	1.4	4
132	Chemical vapour deposition of poly(<i>p</i> -phenylenevinylene) nanofilms for use in organic photovoltaics. <i>Materials Research Innovations</i> , 2011, 15, s18-s20.	1.0	0
133	Investigations into Current Modulation Mechanisms in Low Operating Voltage Organic Thin Film Transistors and Their Relationship to the Materials Employed. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1359, 79.	0.1	0
134	Vertical Stratification and Interfacial Structure in P3HT:PCBM Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15797-15805.	1.5	132
135	Synthesis and Electronic Properties of Semiconducting Polymers Containing Benzodithiophene with Alkyl Phenylethynyl Substituents. <i>Macromolecules</i> , 2010, 43, 8063-8070.	2.2	63
136	Evolution of Laterally Phase-Separated Polyfluorene Blend Morphology Studied by X-ray Spectromicroscopy. <i>Macromolecules</i> , 2009, 42, 3347-3352.	2.2	43
137	Fabricating semi-conducting polymer photonic structures via near-field scanning optical lithography. <i>Synthetic Metals</i> , 2009, 159, 456-461.	2.1	6
138	A Quantitative Study of PCBM Diffusion during Annealing of P3HT:PCBM Blend Films. <i>Macromolecules</i> , 2009, 42, 8392-8397.	2.2	247
139	Role of Solvent Trapping Effects in Determining the Structure and Morphology of Ternary Blend Organic Devices. <i>Macromolecules</i> , 2009, 42, 3098-3103.	2.2	42
140	NEXAFS microscopy of polymeric materials: Successes and challenges encountered when characterizing organic devices. <i>Journal of Physics: Conference Series</i> , 2009, 186, 012102.	0.3	3
141	Poly(2,3-dihexylthieno[3,4- <i>b</i>]pyrazine) via GRIM Polymerization: Simple Preparation of a Solution Processable, Low-Band-Gap Conjugated Polymer. <i>Macromolecules</i> , 2008, 41, 4576-4578.	2.2	76
142	Electrochemical and morphological characterization of electrodeposited poly(2,2'-5,5'-terthiophene) for photovoltaic applications. <i>Synthetic Metals</i> , 2008, 158, 661-669.	2.1	13
143	Highly resilient field emission from aligned single-walled carbon nanotube arrays chemically attached to <i>n</i> -type silicon. <i>Journal of Materials Chemistry</i> , 2008, 18, 5753.	6.7	19
144	The origin of fine structure in near-field scanning optical lithography of an electroactive polymer. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 195107.	1.3	5

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145	Evolution of the nanomorphology of photovoltaic polyfluorene blends: sub-100 nm resolution with x-ray spectromicroscopy. <i>Nanotechnology</i> , 2008, 19, 424015.	1.3	47
146	Investigation of the photochemistry of the poly{p-phenylenevinylene} precursor system: Implications for nanolithography. <i>Journal of Chemical Physics</i> , 2007, 126, 174703.	1.2	4
147	Understanding and Improving Solid-State Polymer/C60-Fullerene Bulk-Heterojunction Solar Cells Using Ternary Porphyrin Blends. <i>Journal of Physical Chemistry C</i> , 2007, 111, 15415-15426.	1.5	72
148	X-ray Microscopy of Photovoltaic Polyfluorene Blends: Relating Nanomorphology to Device Performance. <i>Macromolecules</i> , 2007, 40, 3263-3270.	2.2	102
149	The effect of porphyrin inclusion on the spectral response of ternary P3HT:porphyrin:PCBM bulk heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2007, 91, 447-452.	3.0	82
150	Effect of film thickness and morphology on the performance of photoelectrochemical cells based on poly(terthiophene). <i>Solar Energy Materials and Solar Cells</i> , 2007, 91, 1127-1136.	3.0	17
151	A simple method for creating nanotube field emitters from a surfactant dispersion. <i>Surface Science</i> , 2007, 601, 5775-5778.	0.8	0
152	Nanoscale Quantitative Chemical Mapping of Conjugated Polymer Blends. <i>Nano Letters</i> , 2006, 6, 1202-1206.	4.5	112
153	Rapid Deposition of LDS/Carbon Nanotube Composites: A Novel Nanotube Field Emission Source. , 2006, , .		0
154	Mode structure in continuum generation. , 2006, , .		1
155	A NEXAFS orientation study of $\hat{1}^3$ -aminopropyltriethoxysilane on zinc oxide surfaces. <i>Surface and Interface Analysis</i> , 2006, 38, 1139-1145.	0.8	19
156	X-ray Spectromicroscopy of Polymer/Fullerene Composites: Quantitative Chemical Mapping. <i>Small</i> , 2006, 2, 1432-1435.	5.2	57
157	A simple polarimeter for quantifying synchrotron polarization. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2006, 151, 208-214.	0.8	8
158	Methods in carbon K-edge NEXAFS: Experiment and analysis. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2006, 151, 105-120.	0.8	149
159	PTMS alignment on Aluminium Oxide. , 2006, , .		0
160	Near-field scanning optical lithography of PPV for functional devices. , 2006, , .		0
161	Photocurrent pattern formation in polymer/methanofullerene blends imaged by near-field scanning photocurrent microscopy. <i>Journal of Applied Physics</i> , 2006, 99, 033502.	1.1	15
162	Step mediated surface alloy formation of Pt/Cu(111). <i>Surface Science</i> , 2005, 588, 101-107.	0.8	20

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163	Photoelectrochemical Cells Based on Inherently Conducting Polymers. MRS Bulletin, 2005, 30, 46-49.	1.7	16
164	Adsorption and orientation kinetics of self-assembled films of octadecyltrimethoxysilane on aluminium oxide surfaces. Surface and Interface Analysis, 2005, 37, 472-477.	0.8	15
165	Measuring the Tilt Angle of ODTMS Self-Assembled Monolayers on Al Oxide Surfaces. Synthetic Metals, 2005, 154, 9-12.	2.1	2
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