

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	A Quantitative Study of PCBM Diffusion during Annealing of P3HT:PCBM Blend Films. <i>Macromolecules</i> , 2009, 42, 8392-8397.	2.2	247
2	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
3	Quantitative histological analysis of the cerebellar nuclei in the cat. I. Numerical data on cells and on synapses. <i>Experimental Brain Research</i> , 1977, 28-28, 189-209.	0.7	144
4	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
5	Advantages and Limitations of Current Imaging Techniques for Characterizing Liposome Morphology. <i>Frontiers in Pharmacology</i> , 2018, 9, 80.	1.6	116
6	Nanoscale Quantitative Chemical Mapping of Conjugated Polymer Blends. <i>Nano Letters</i> , 2006, 6, 1202-1206.	4.5	112
7	Organic Solar Cells: Understanding the Role of Förster Resonance Energy Transfer. <i>International Journal of Molecular Sciences</i> , 2012, 13, 17019-17047.	1.8	111
8	A projection of commercial-scale organic photovoltaic module costs. <i>Solar Energy Materials and Solar Cells</i> , 2014, 120, 9-17.	3.0	110
9	X-ray Microscopy of Photovoltaic Polyfluorene Blends: Relating Nanomorphology to Device Performance. <i>Macromolecules</i> , 2007, 40, 3263-3270.	2.2	102
10	Organic Bioelectronics: Materials and Biocompatibility. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2382.	1.8	102
11	Organic Thin-Film Transistor (OTFT)-Based Sensors. <i>Electronics (Switzerland)</i> , 2014, 3, 234-254.	1.8	93
12	Low-temperature processed solar cells with formamidinium tin halide perovskite/fullerene heterojunctions. <i>Nano Research</i> , 2016, 9, 1570-1577.	5.8	88
13	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
14	The role of miscibility in polymer:fullerene nanoparticulate organic photovoltaic devices. <i>Nano Energy</i> , 2013, 2, 897-905.	8.2	82
15	Near-Field Scanning Photocurrent Measurements of Polyfluorene Blend Devices: Directly Correlating Morphology with Current Generation. <i>Nano Letters</i> , 2004, 4, 2503-2507.	4.5	78
16	Direct Photocurrent Mapping of Organic Solar Cells Using a Near-Field Scanning Optical Microscope. <i>Nano Letters</i> , 2004, 4, 219-223.	4.5	77
17	Poly(2,3-dihexylthieno[3,4-b]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
18	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

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19	Wear mechanisms in polymer matrix composites abraded by bulk solids. <i>Wear</i> , 2000, 240, 207-214.	1.5	73
20	Determining the structural motif of P3HT:PCBM nanoparticulate organic photovoltaic devices. <i>Solar Energy Materials and Solar Cells</i> , 2013, 110, 43-48.	3.0	73
21	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
22	A multilayered approach to polyfluorene water-based organic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2012, 102, 114-124.	3.0	65
23	Synthesis and Electronic Properties of Semiconducting Polymers Containing Benzodithiophene with Alkyl Phenylethynyl Substituents. <i>Macromolecules</i> , 2010, 43, 8063-8070.	2.2	63
24	Levelised cost of electricity for organic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2015, 133, 26-31.	3.0	63
25	Helium Detection via Field Ionization from Carbon Nanotubes. <i>Nano Letters</i> , 2003, 3, 1455-1458.	4.5	62
26	Nano-domain behaviour in P3HT:PCBM nanoparticles, relating material properties to morphological changes. <i>Solar Energy Materials and Solar Cells</i> , 2013, 117, 437-445.	3.0	60
27	X-ray Spectromicroscopy of Polymer/Fullerene Composites: Quantitative Chemical Mapping. <i>Small</i> , 2006, 2, 1432-1435.	5.2	57
28	Adsorption of organosilanes on iron and aluminium oxide surfaces. <i>Surface and Interface Analysis</i> , 1997, 25, 931-936.	0.8	53
29	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
30	Surfactant-free nanoparticulate organic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2014, 121, 99-107.	3.0	50
31	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
32	The effect of polymer molecular weight on P3HT:PCBM nanoparticulate organic photovoltaic device performance. <i>Solar Energy Materials and Solar Cells</i> , 2014, 128, 369-377.	3.0	47
33	Vertical and lateral morphology effects on solar cell performance for a thiophene-quinoline copolymer:PCBM blend. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6970-6979.	5.2	46
34	Conformational dynamics of γ -APS on the iron oxide surface: an adsorption kinetic study using XPS and ToF-SIMS. <i>Surface and Interface Analysis</i> , 2000, 30, 21-24.	0.8	45
35	Fullerene Contribution to Photocurrent Generation in Organic Photovoltaic Cells. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7801-7805.	1.5	45
36	Evolution of Laterally Phase-Separated Polyfluorene Blend Morphology Studied by X-ray Spectromicroscopy. <i>Macromolecules</i> , 2009, 42, 3347-3352.	2.2	43

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37	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
38	Unlocking new contrast in a scanning helium microscope. <i>Nature Communications</i> , 2016, 7, 10189.	5.8	43
39	Photoelectrochemical cells based on polymers and copolymers from terthiophene and nitrostyrylterthiophene. <i>Synthetic Metals</i> , 2001, 123, 225-237.	2.1	42
40	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
41	Effects of graphite particle addition upon the abrasive wear of polymer surfaces. <i>Journal of Materials Science</i> , 2001, 36, 891-900.	1.7	39
42	The origin of performance limitations in miniemulsion nanoparticulate organic photovoltaic devices. <i>Solar Energy Materials and Solar Cells</i> , 2018, 175, 77-88.	3.0	38
43	Initial growth morphology in molecular beam epitaxy of fcc iron on Cu(100). <i>Surface Science</i> , 1992, 272, 154-160.	0.8	37
44	A low-cost mixed fullerene acceptor blend for printed electronics. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10274-10281.	5.2	37
45	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
46	Detection of saliva-range glucose concentrations using organic thin-film transistors. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	35
47	Probing the origin of photocurrent in nanoparticulate organic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2015, 140, 412-421.	3.0	35
48	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
49	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
50	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
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	Roll-to-Roll Sputter Coating of Aluminum Cathodes for Large-Scale Fabrication of Organic Photovoltaic Devices. <i>Energy Technology</i> , 2015, 3, 428-436.	1.8	31
53	Unravelling donor-acceptor film morphology formation for environmentally-friendly OPV ink formulations. <i>Green Chemistry</i> , 2019, 21, 5090-5103.	4.6	31
54	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

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55	Comparative analysis of Ti ₃ SiC ₂ and associated compounds using x-ray diffraction and x-ray photoelectron spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2002, 35, 1603-1611.	1.3	28
56	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
57	A highly contrasting scanning helium microscope. <i>Review of Scientific Instruments</i> , 2015, 86, 023704.	0.6	28
58	Environmentally friendly preparation of nanoparticles for organic photovoltaics. <i>Organic Electronics</i> , 2018, 59, 432-440.	1.4	28
59	Influence of surface electrokinetics on organosilane adsorption. <i>Surface and Interface Analysis</i> , 1999, 28, 12-15.	0.8	27
60	A design for a pinhole scanning helium microscope. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 340, 76-80.	0.6	27
61	Building intermixed donor-acceptor architectures for water-processable organic photovoltaics. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5705-5715.	1.3	27
62	Direct influence of morphology on current generation in conjugated polymer:methanofullerene solar cells measured by near-field scanning photocurrent microscopy. <i>Synthetic Metals</i> , 2004, 147, 101-104.	2.1	26
63	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
64	Understanding the Conformational Dynamics of Organosilanes: H_3APS on Zinc Oxide Surfaces. <i>Langmuir</i> , 2002, 18, 148-154.	1.6	25
65	Modelling the three-body abrasive wear of UHMWPE particle reinforced composites. <i>Wear</i> , 2003, 254, 581-588.	1.5	25
66	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
67	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
68	A polyethylene-reinforced polymer composite abraded by bulk solids. <i>Wear</i> , 2001, 249, 663-671.	1.5	24
69	Novel low voltage and solution processable organic thin film transistors based on water dispersed polymer semiconductor nanoparticulates. <i>Journal of Colloid and Interface Science</i> , 2013, 401, 65-69.	5.0	24
70	Water-based nanoparticulate solar cells using a diketopyrrolopyrrole donor polymer. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2647.	1.3	23
71	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
72	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

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73	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
74	Role of Stabilizing Surfactants on Capacitance, Charge, and Ion Transport in Organic Nanoparticle-Based Electronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10074-10088.	4.0	22
75	Modelling the observed oscillations in the adsorption kinetics of propyltrimethoxysilane on iron and aluminium oxide surfaces. <i>Surface and Interface Analysis</i> , 2000, 30, 25-28.	0.8	21
76	Modular LED arrays for large area solar simulation. <i>Progress in Photovoltaics: Research and Applications</i> , 2019, 27, 179-189.	4.4	21
77	Characterizing the bonding mechanisms at silane-metal interfaces: A model system. <i>Journal of Materials Science Letters</i> , 1999, 18, 1833-1835.	0.5	20
78	Step mediated surface alloy formation of Pt/Cu(111). <i>Surface Science</i> , 2005, 588, 101-107.	0.8	20
79	Exploration of the Direct Arylation Polymerization Method for the Practical Application of Conjugated Materials: Synthetic Scale-Up, Solar Cell Performance, and Cost Analyses. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800272.	1.1	20
80	A NEXAFS orientation study of β -aminopropyltriethoxysilane on zinc oxide surfaces. <i>Surface and Interface Analysis</i> , 2006, 38, 1139-1145.	0.8	19
81	Highly resilient field emission from aligned single-walled carbon nanotube arrays chemically attached to n-type silicon. <i>Journal of Materials Chemistry</i> , 2008, 18, 5753.	6.7	19
82	Engineering vertical morphology with nanoparticulate organic photovoltaic devices. <i>Organic Electronics</i> , 2016, 32, 250-257.	1.4	19
83	The effect of experimental conditions on the oscillatory adsorption of propyltrimethoxysilane on aluminium oxide surfaces. <i>Applied Surface Science</i> , 1999, 152, 131-137.	3.1	18
84	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
85	A new model for PCBM phase segregation in P3HT:PCBM blends. <i>Organic Electronics</i> , 2016, 30, 12-17.	1.4	18
86	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
87	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
88	Enhanced regeneration of degraded polymer solar cells by thermal annealing. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	17
89	Comparative Degradation and Regeneration of Polymer Solar Cells with Different Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5281-5289.	4.0	17
90	HOMOEPITAXIAL GROWTH ON Cu(111) PROBED BY HELIUM ATOM SCATTERING. <i>Surface Review and Letters</i> , 1994, 01, 509-512.	0.5	16

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91	PTMS on iron and aluminium oxide surfaces: a study of damped adsorption kinetics. <i>Surface Science</i> , 1998, 402-404, 66-70.	0.8	16
92	Photoelectrochemical Cells Based on Inherently Conducting Polymers. <i>MRS Bulletin</i> , 2005, 30, 46-49.	1.7	16
93	Synthesis and photovoltaic performance of donor-acceptor polymers containing benzo[1,2-b:4,5-b']dithiophene with thienyl substituents. <i>Journal of Polymer Science Part A</i> , 2013, 51, 2622-2630.	2.5	16
94	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
95	The role of surface energy control in organic photovoltaics based on solar paints. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9202-9214.	5.2	16
96	A nuanced approach for assessing OPV materials for large scale applications. <i>Sustainable Energy and Fuels</i> , 2020, 4, 940-949.	2.5	16
97	Adsorption and orientation kinetics of self-assembled films of octadecyltrimethoxysilane on aluminium oxide surfaces. <i>Surface and Interface Analysis</i> , 2005, 37, 472-477.	0.8	15
98	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
99	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
100	Solar Paint: From Synthesis to Printing. <i>Polymers</i> , 2014, 6, 2832-2844.	2.0	15
101	Nanomorphology of eco-friendly colloidal inks, relating non-fullerene acceptor surface energy to structure formation. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2218-2233.	3.2	15
102	Jumping, Rotating, and Flapping: The Atomic-Scale Motion of Thiophene on Cu(111). <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1953-1958.	2.1	14
103	Molecular versus crystallite PCBM diffusion in P3HT:PCBM blends. <i>AIP Advances</i> , 2015, 5, 097220.	0.6	14
104	Electrochemical and morphological characterization of electrodeposited poly(2,5-bis(2-terthiophene) for photovoltaic applications. <i>Synthetic Metals</i> , 2008, 158, 661-669.	2.1	13
105	A desktop supersonic free-jet beam source for a scanning helium microscope (SHeM). <i>Measurement Science and Technology</i> , 2012, 23, 105901.	1.4	13
106	Organic Semiconductors for Optically Triggered Neural Interfacing: The Impact of Device Architecture in Determining Response Magnitude and Polarity. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-12.	1.9	13
107	Single-step annealing and encapsulation for organic photovoltaics using an exothermally-setting encapsulant material. <i>Solar Energy Materials and Solar Cells</i> , 2014, 124, 75-78.	3.0	12
108	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

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109	Developing a Portable Organic Solar Cell Kit Suitable for Students to Fabricate and Test Solar Cells in the Laboratory. <i>Journal of Chemical Education</i> , 2020, 97, 3751-3757.	1.1	12
110	Oscillatory adsorption: a first-principles linear kinetic model. <i>Surface and Interface Analysis</i> , 2001, 32, 57-61.	0.8	11
111	Improved field emission stability from single-walled carbon nanotubes chemically attached to silicon. <i>Nanoscale Research Letters</i> , 2012, 7, 432.	3.1	11
112	Printable sensors for explosive detonation. <i>Applied Physics Letters</i> , 2014, 105, 143301.	1.5	11
113	Bias-dependent effects in planar perovskite solar cells based on CH ₃ NH ₃ PbI ₃ films. <i>Journal of Colloid and Interface Science</i> , 2015, 453, 9-14.	5.0	11
114	Matrix assisted low temperature growth of graphene. <i>Carbon</i> , 2016, 107, 325-331.	5.4	11
115	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
116	Image formation in the scanning helium microscope. <i>Ultramicroscopy</i> , 2018, 192, 7-13.	0.8	11
117	Effect of a calcium cathode on water-based nanoparticulate solar cells. <i>Applied Physics Letters</i> , 2012, 101, 053901.	1.5	10
118	Field ionization detection of helium using a planar array of carbon nanotubes. <i>Physical Review B</i> , 2012, 85, .	1.1	10
119	Modelling transport in nanoparticle organic solar cells using Monte Carlo methods. <i>Applied Physics Letters</i> , 2013, 103, 193306.	1.5	10
120	A building-block approach to the development of an equivalent circuit model for organic photovoltaic cells. <i>Organic Electronics</i> , 2018, 58, 207-215.	1.4	10
121	Taxonomy through the lens of neutral helium microscopy. <i>Scientific Reports</i> , 2019, 9, 2148.	1.6	10
122	Multiple scattering in scanning helium microscopy. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	10
123	Surfactant Free P3HT • PCBM Nanoparticles for Organic Photovoltaics (OPV). <i>AIP Conference Proceedings</i> , 2011, , .	0.3	9
124	Harvesting light. <i>Nature Photonics</i> , 2013, 7, 425-426.	15.6	9
125	Optimization, characterization and upscaling of aqueous solar nanoparticle inks for organic photovoltaics using low-cost donor:acceptor blend. <i>Organic Electronics</i> , 2018, 52, 71-78.	1.4	9
126	Contribution of Fullerene Photocurrent Generation to Organic Solar Cell Performance. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11950-11958.	1.5	9

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127	Screening for artifacts in near-field scanning photocurrent microscopy images of polymer solar cells. <i>Synthetic Metals</i> , 2005, 153, 85-88.	2.1	8
128	A simple polarimeter for quantifying synchrotron polarization. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2006, 151, 208-214.	0.8	8
129	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
130	Optimisation of purification techniques for the preparation of large-volume aqueous solar nanoparticle inks for organic photovoltaics. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 649-659.	1.5	8
131	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
132	Solution processable interface materials for nanoparticulate organic photovoltaic devices. <i>Applied Physics Letters</i> , 2014, 104, 043902.	1.5	7
133	Development of a permanent magnet alternative for a solenoidal ion source. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 340, 85-89.	0.6	7
134	Fast neutral atom microscopy: An optimisation framework for stagnation detectors. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 151, 107263.	2.5	7
135	Controlling Nanostructure in Inkjet Printed Organic Transistors for Pressure Sensing Applications. <i>Nanomaterials</i> , 2021, 11, 1185.	1.9	7
136	Analysis of lattice-rod scans in thermal-energy helium surface scattering. <i>Surface Science</i> , 1999, 433-435, 99-103.	0.8	6
137	Enhancement of polymer electronics via surface states on highly doped polymeric anodes. <i>Journal Physics D: Applied Physics</i> , 2004, 37, 165-170.	1.3	6
138	Fabricating semi-conducting polymer photonic structures via near-field scanning optical lithography. <i>Synthetic Metals</i> , 2009, 159, 456-461.	2.1	6
139	Poly(2,3-dihexylthieno[3,4-b]pyrazine-alt-2,3-dihexylquinoxaline): Processible, Low-Bandgap, Ambipolar-Acceptor Frameworks via Direct Arylation Polymerization. <i>Synlett</i> , 2018, 29, 2542-2546.	1.0	6
140	Advanced Control of Drug Delivery for <i>In Vivo</i> Health Applications via Highly Biocompatible Self-Assembled Organic Nanoparticles. <i>ACS Applied Bio Materials</i> , 2021, 4, 6338-6350.	2.3	6
141	An Economic LED Solar Simulator Design. <i>IEEE Journal of Photovoltaics</i> , 2022, 12, 521-525.	1.5	6
142	Surfactant Engineering and Its Role in Determining the Performance of Nanoparticulate Organic Photovoltaic Devices. <i>ACS Omega</i> , 2022, 7, 9212-9220.	1.6	6
143	Growth of Co on Cu(111): Temperature dependence and interlayer spacings. <i>Physical Review B</i> , 2001, 64, .	1.1	5
144	Submonolayer alloying of copper on vicinal platinum: fA combined atom and ion scattering study. <i>Physical Review B</i> , 2004, 70, .	1.1	5

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145	The photovoltaic properties of phenyl-capped thiophene oligomers. <i>Current Applied Physics</i> , 2004, 4, 335-338.	1.1	5
146	Photoenhanced injection currents in organic solar cells. <i>Applied Physics Letters</i> , 2004, 85, 1042-1044.	1.5	5
147	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
148	The effect of calcium-induced fullerene migration on the performance of thermally stable nanoparticle organic solar cells. <i>Journal of Applied Physics</i> , 2014, 116, 124502.	1.1	5
149	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
150	Roll-to-roll solvent annealing of printed P3HT devices. <i>RSC Advances</i> , 2019, 9, 42294-42305.	1.7	5
151	Low-Temperature CVD-Grown Graphene Thin Films as Transparent Electrode for Organic Photovoltaics. <i>Coatings</i> , 2022, 12, 681.	1.2	5
152	Geometric contrast mechanisms in helium atom scattering: The growth of the Fe/Cu(100) system. <i>Physical Review B</i> , 2003, 67, .	1.1	4
153	Measurement of molecular order and orientation in nanoscale organic films. <i>Synthetic Metals</i> , 2005, 152, 21-24.	2.1	4
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155	Development of an improved field ionization detector incorporating a secondary electron stage. <i>Measurement Science and Technology</i> , 2011, 22, 115902.	1.4	4
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