

# Natalie Stingelin

## List of Publications by Year in descending order

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201  
papers

13,455  
citations

26630

56  
h-index

24258

110  
g-index

208  
all docs

208  
docs citations

208  
times ranked

13719  
citing authors

#	ARTICLE	IF	CITATIONS
1	Planar refractive index patterning through microcontact photo-thermal annealing of a printable organic/inorganic hybrid material. <i>Materials Horizons</i> , 2022, 9, 411-416.	12.2	4
2	Conjugated Polymer Mesocrystals with Structural and Optoelectronic Coherence and Anisotropy in Three Dimensions. <i>Advanced Materials</i> , 2022, 34, e2103002.	21.0	11
3	Glossary of terms relating to electronic, photonic and magnetic properties of polymers (IUPAC). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>	1.9	1
4	Femtosecond Laser-Induced Refractive Index Patterning in Inorganic/Organic Hybrid Films. <i>Advanced Photonics Research</i> , 2022, 3, .	3.6	1
5	Limiting Relative Permittivity in Polymer Ferroelectrics via Phase Stabilization. <i>ACS Macro Letters</i> , 2022, 11, 410-414.	4.8	1
6	In memoriam of Alasdair James Campbell. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8894-8894.	5.5	0
7	In Situ Studies of the Swelling by an Electrolyte in Electrochemical Doping of Ethylene Glycol-Substituted Polythiophene. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 29052-29060.	8.0	13
8	Enhanced Electrocaloric Response of Vinylidene Fluoride-Based Polymers via One-Step Molecular Engineering. <i>Advanced Functional Materials</i> , 2021, 31, .	14.9	21
9	A Low-Swelling Polymeric Mixed Conductor Operating in Aqueous Electrolytes. <i>Advanced Materials</i> , 2021, 33, e2005723.	21.0	33
10	Solution-processing of semiconducting organic small molecules: what we have learnt from 5,11-bis(triethylsilylethynyl)anthradithiophene. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10547-10556.	5.5	11
11	Understanding hierarchical spheres-in-grating assembly for bio-inspired colouration. <i>Materials Horizons</i> , 2021, 8, 2230-2237.	12.2	6
12	Balancing crop production and energy harvesting in organic solar-powered greenhouses. <i>Cell Reports Physical Science</i> , 2021, 2, 100381.	5.6	48
13	Polymorphism in Non-Fullerene Acceptors Based on Indacenodithienothiophene. <i>Advanced Functional Materials</i> , 2021, 31, 2103784.	14.9	33
14	An Informatics Approach for Designing Conducting Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 53314-53322.	8.0	11
15	Providing a Window into the Phase Behavior of Semiconducting Polymers. <i>Macromolecules</i> , 2021, 54, 5304-5320.	4.8	9
16	Improving molecular alignment and charge percolation in semiconducting polymer films with highly localized electronic states through tailored thermal annealing. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15848-15857.	5.5	8
17	Frenkel biexcitons in hybrid HJ photophysical aggregates. <i>Science Advances</i> , 2021, 7, eabi5197.	10.3	10
18	The Role of Morphology in Optically Switchable Transistors Based on a Photochromic Molecule/p-type Polymer Semiconductor Blend. <i>Advanced Functional Materials</i> , 2020, 30, 1907507.	14.9	20

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19	The Importance of Quantifying the Composition of the Amorphous Intermixed Phase in Organic Solar Cells. <i>Advanced Materials</i> , 2020, 32, e2005241.	21.0	21
20	Effects of Counterion Size on Delocalization of Carriers and Stability of Doped Semiconducting Polymers. <i>Advanced Electronic Materials</i> , 2020, 6, 2000595.	5.1	33
21	High-density polyethylene as an inert additive with stabilizing effects on organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15406-15415.	5.5	15
22	Elucidating the Influence of Side-Chain Circular Distribution on the Crack Onset Strain and Hole Mobility of Near-Amorphous Indacenodithiophene Copolymers. <i>Macromolecules</i> , 2020, 53, 7511-7518.	4.8	25
23	Toward Fast Screening of Organic Solar Cell Blends. <i>Advanced Science</i> , 2020, 7, 2000960.	11.2	15
24	What is Killing Organic Photovoltaics: Light-Induced Crosslinking as a General Degradation Pathway of Organic Conjugated Molecules. <i>Advanced Energy Materials</i> , 2020, 10, 1903163.	19.5	38
25	Terminology of polymers in advanced lithography (IUPAC Recommendations 2020). <i>Pure and Applied Chemistry</i> , 2020, 92, 1861-1891.	1.9	2
26	Microstructural control suppresses thermal activation of electron transport at room temperature in polymer transistors. <i>Nature Communications</i> , 2019, 10, 3365.	12.8	30
27	Fully Solution-Processed Photonic Structures from Inorganic/Organic Molecular Hybrid Materials and Commodity Polymers. <i>Advanced Functional Materials</i> , 2019, 29, 1808152.	14.9	14
28	List of keywords for polymer science (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2019, 91, 997-1027.	1.9	0
29	Managing Local Order in Conjugated Polymer Blends via Polarity Contrast. <i>Chemistry of Materials</i> , 2019, 31, 6540-6547.	6.7	20
30	Nanocomposite of nickel oxide nanoparticles and polyethylene oxide as printable hole transport layer for organic solar cells. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1418-1426.	4.9	31
31	Robust Processing of Small-Molecule:Fullerene Organic Solar Cells via Use of Nucleating Agents. <i>ACS Applied Energy Materials</i> , 2018, 1, 1973-1980.	5.1	2
32	Temperature-Dependence of Persistence Length Affects Phenomenological Descriptions of Aligning Interactions in Nematic Semiconducting Polymers. <i>Chemistry of Materials</i> , 2018, 30, 748-761.	6.7	17
33	Direct Calorimetric Observation of the Rigid Amorphous Fraction in a Semiconducting Polymer. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 990-995.	4.6	61
34	Controlling aggregate formation in conjugated polymers by spin-coating below the critical temperature of the disorder-order transition. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 532-542.	2.1	34
35	Designing Small Molecules as Ternary Energy-Cascade Additives for Polymer:Fullerene Solar Cell Blends. <i>Chemistry of Materials</i> , 2018, 30, 2213-2217.	6.7	21
36	Molecular weight dependence of carrier mobility and recombination rate in neat P3HT films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 31-35.	2.1	42

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37	Toward Stretchable Self-Powered Sensors Based on the Thermoelectric Response of PEDOT:PSS/Polyurethane Blends. <i>Advanced Functional Materials</i> , 2018, 28, 1704285.	14.9	171
38	On the Effect of Confinement on the Structure and Properties of Small-Molecular Organic Semiconductors. <i>Advanced Electronic Materials</i> , 2018, 4, 1700308.	5.1	19
39	Terahertz short-range mobilities in neat and intermixed regions of polymer:fullerene blends with controlled phase morphology. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22301-22309.	10.3	15
40	Correlating Crystal Thickness, Surface Morphology, and Charge Transport in Pristine and Doped Rubrene Single Crystals. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 26745-26751.	8.0	18
41	Scalable syntheses of well-defined pentadecablock bipolymer and quinterpolymer. <i>Polymer Chemistry</i> , 2018, 9, 3450-3454.	3.9	21
42	Effects of Side-Chain Length and Shape on Polytellurophene Molecular Order and Blend Morphology. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2088-2098.	3.1	28
43	Convective self-assembly of $\pi$ -conjugated oligomers and polymers. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2513-2518.	5.5	18
44	Solid-state-processing of $\hat{\Gamma}$ -PVDF. <i>Materials Horizons</i> , 2017, 4, 408-414.	12.2	43
45	Organic Gelators as Growth Control Agents for Stable and Reproducible Hybrid Perovskite-Based Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1602600.	19.5	78
46	New 3,3 $\hat{\text{e}}^2$ -(ethane-1,2-diylidene)bis(indolin-2-one) (EBI)-based small molecule semiconductors for organic solar cells. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5143-5153.	5.5	6
47	Diketopyrrolopyrrole-Based Conjugated Polymer Entailing Triethylene Glycols as Side Chains with High Thin-Film Charge Mobility without Post-Treatments. <i>Advanced Science</i> , 2017, 4, 1700048.	11.2	58
48	Relaxations and Relaxor-Ferroelectric-Like Response of Nanotubularly Confined Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 300	6.7	23
49	Origin of fullerene-induced vitrification of fullerene:donor polymer photovoltaic blends and its impact on solar cell performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2689-2700.	10.3	29
50	Excitonic coupling dominates the homogeneous photoluminescence excitation linewidth in semicrystalline polymeric semiconductors. <i>Physical Review B</i> , 2017, 95, .	3.2	17
51	The Importance of Materials Design to Make Ions Flow: Toward Novel Materials Platforms for Bioelectronics Applications. <i>Advanced Materials</i> , 2017, 29, 1604446.	21.0	31
52	A Novel Alkylated Indacenodithieno[3,2 $\hat{\text{e}}\text{b}$ ]thiophene-Based Polymer for High-Performance Field-Effect Transistors. <i>Advanced Materials</i> , 2016, 28, 3922-3927.	21.0	117
53	Synthesis and properties of a novel narrow band gap oligomeric diketopyrrolopyrrole-based organic semiconductor. <i>Dyes and Pigments</i> , 2016, 131, 160-167.	3.7	8
54	ORGANIC SEMICONDUCTORS: MANIPULATION AND CONTROL OF THE MICROSTRUCTURE OF ACTIVE LAYERS. <i>Materials and Energy</i> , 2016, , 159-193.	0.1	1

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55	The influence of polymer purification on the efficiency of poly(3-hexylthiophene):fullerene organic solar cells. Scientific Reports, 2016, 6, 23651.	3.3	44
56	The fate of electron-hole pairs in polymer:fullerene blends for organic photovoltaics. Nature Communications, 2016, 7, 12556.	12.8	68
57	Altering the emission properties of conjugated polymers. Polymer International, 2016, 65, 157-163.	3.1	24
58	Room temperature dielectric bistability in solution-processed spin crossover polymer thin films. Journal of Materials Chemistry C, 2016, 4, 6240-6248.	5.5	17
59	Decoupling Charge Transport and Electroluminescence in a High Mobility Polymer Semiconductor. Advanced Materials, 2016, 28, 6378-6385.	21.0	22
60	Confinement effects on the crystalline features of poly(9,9-dioctylfluorene). European Polymer Journal, 2016, 81, 650-660.	5.4	13
61	Using Molecular Design to Increase Hole Transport: Backbone Fluorination in the Benchmark Material		

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73	Direct Correlation of Charge Transfer Absorption with Molecular Donor:Acceptor Interfacial Area via Photothermal Deflection Spectroscopy. Journal of the American Chemical Society, 2015, 137, 5256-5259.	13.7	45
74	Diels-Alders adducts of C <sub>60</sub> and esters of 3-(1-indenyl)-propionic acid: alternatives for [60]PCBM in polymer:fullerene solar cells. Chemical Communications, 2015, 51, 8126-8129.	4.1	17
75	Role of Side-Chain Branching on Thin-Film Structure and Electronic Properties of Polythiophenes. Advanced Functional Materials, 2015, 25, 2616-2624.	14.9	65
76	The separation of vibrational coherence from ground- and excited-electronic states in P3HT film. Journal of Chemical Physics, 2015, 142, 212410.	3.0	51
77	Multi-phase microstructures drive exciton dissociation in neat semicrystalline polymeric semiconductors. Journal of Materials Chemistry C, 2015, 3, 10715-10722.	5.5	689
78	Using the Stark effect to understand charge generation in organic solar cells. Proceedings of SPIE, 2015, , .	0.8	1
79	Copper thiocyanate: An attractive hole transport/extraction layer for use in organic photovoltaic cells. Applied Physics Letters, 2015, 107, .	3.3	53
80	Polytellurophenes provide imaging contrast towards unravelling the structure-property-function relationships in semiconductor:insulator polymer blends. Journal of Materials Chemistry C, 2015, 3, 3767-3773.	5.5	23
81	2,1,3-Benzothiadiazole-5,6-Dicarboxylic Imide - A Versatile Building Block for Additive- and Annealing-Free Processing of Organic Solar Cells with Efficiencies Exceeding 8%. Advanced Materials, 2015, 27, 948-953.	21.0	88
82	Solution processing of polymer semiconductor: Insulator blends-Tailored optical properties through liquid-liquid phase separation control. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 304-310.	2.1	25
83	Emission properties of MEH-PPV in thin films simultaneously illuminated and annealed at different temperatures. Synthetic Metals, 2015, 199, 33-36.	3.9	23
84	Highly efficient photochemical upconversion in a quasi-solid organogel. Journal of Materials Chemistry C, 2015, 3, 616-622.	5.5	72
85	High-Efficiency Organic Photovoltaic Cells Based on the Solution-Processable Hole Transporting Interlayer Copper Thiocyanate (CuSCN) as a Replacement for PEDOT:PSS. Advanced Energy Materials, 2015, 5, 1401529.	19.5	133
86	Alternating Copolymers Incorporating Dithienogemolodithiophene for Field-Effect Transistor Applications. Macromolecules, 2014, 47, 8602-8610.	4.8	23
87	Influence of Molecular Conformations and Microstructure on the Optoelectronic Properties of Conjugated Polymers. Materials, 2014, 7, 2273-2300.	2.9	90
88	Nanostructures: Fullerene Nucleating Agents: A Route Towards Thermally Stable Photovoltaic Blends (Adv. Energy Mater. 9/2014). Advanced Energy Materials, 2014, 4, n/a-n/a.	19.5	0
89	Control of polythiophene film microstructure and charge carrier dynamics through crystallization temperature. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 700-707.	2.1	15
90	Fullerene Nucleating Agents: A Route Towards Thermally Stable Photovoltaic Blends. Advanced Energy Materials, 2014, 4, 1301437.	19.5	65

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91	Benzocarborano[2,1-b:3,4-d]dithiophene Containing Conjugated Polymers: Synthesis, Characterization, and Optoelectronic Properties. <i>Macromolecules</i> , 2014, 47, 89-96.	4.8	19
92	Use of microcutting for high throughput electrode patterning on a flexible substrate. <i>Journal of Micromechanics and Microengineering</i> , 2014, 24, 015015.	2.6	0
93	Use of a commercially available nucleating agent to control the morphological development of solution-processed small molecule bulk heterojunction organic solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15717-15721.	10.3	43
94	Additive-assisted supramolecular manipulation of polymer:fullerene blend phase morphologies and its influence on photophysical processes. <i>Materials Horizons</i> , 2014, 1, 270-279.	12.2	58
95	Light absorption of poly(3-hexylthiophene) single crystals. <i>RSC Advances</i> , 2014, 4, 11121-11123.	3.6	85
96	Tailoring the void space and mechanical properties in electrospun scaffolds towards physiological ranges. <i>Journal of Materials Chemistry B</i> , 2014, 2, 305-313.	5.8	40
97	The influence of microstructure on charge separation dynamics in organic bulk heterojunction materials for solar cell applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6218-6230.	10.3	48
98	Spectroscopic Evaluation of Mixing and Crystallinity of Fullerenes in Bulk Heterojunctions. <i>Advanced Functional Materials</i> , 2014, 24, 6972-6980.	14.9	26
99	Semiconducting:insulating polymer blends for optoelectronic applications—a review of recent advances. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10818-10824.	10.3	93
100	Direct observation of ultrafast long-range charge separation at polymer–fullerene heterojunctions. <i>Nature Communications</i> , 2014, 5, 4288.	12.8	140
101	Enhancing the Photoluminescence Emission of Conjugated MEH-PPV by Light Processing. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 4974-4979.	8.0	35
102	Regio-Regular Oligo and Poly(3-hexyl thiophene): Precise Structural Markers from the Vibrational Spectra of Oligomer Single Crystals. <i>Macromolecules</i> , 2014, 47, 6730-6739.	4.8	42
103	Bis(triisopropylsilylethynyl)pentacene/Au(111) Interface: Coupling, Molecular Orientation, and Thermal Stability. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22522-22532.	3.1	10
104	Thermoelectric Materials: A Brief Historical Survey from Metal Junctions and Inorganic Semiconductors to Organic Polymers. <i>Israel Journal of Chemistry</i> , 2014, 54, 534-552.	2.3	37
105	Controlling the Solidification of Organic Photovoltaic Blends with Nucleating Agents. <i>Organic Photonics and Photovoltaics</i> , 2014, 2, .	1.3	4
106	A general relationship between disorder, aggregation and charge transport in conjugated polymers. <i>Nature Materials</i> , 2013, 12, 1038-1044.	27.5	1,742
107	On the role of intermixed phases in organic photovoltaic blends. <i>Energy and Environmental Science</i> , 2013, 6, 2756.	30.8	157
108	Near Infrared Absorbing Soluble Poly(cyclopenta[2,1-b:3,4-d]dithiophen-4-one)vinylene Polymers Exhibiting High Hole and Electron Mobilities in Ambient Air. <i>Chemistry of Materials</i> , 2013, 25, 59-68.	6.7	35

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109	Controlling the Interaction of Light with Polymer Semiconductors. <i>Advanced Materials</i> , 2013, 25, 4906-4911.	21.0	42
110	Low band gap dithienogermolodithiophene copolymers with tunable acceptors and side-chains for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14973.	10.3	31
111	The impact of molecular weight on microstructure and charge transport in semicrystalline polymer semiconductors—poly(3-hexylthiophene), a model study. <i>Progress in Polymer Science</i> , 2013, 38, 1978-1989.	24.7	274
112	Two-dimensional spatial coherence of excitons in semicrystalline polymeric semiconductors: Effect of molecular weight. <i>Physical Review B</i> , 2013, 88, .	3.2	96
113	Reversibly Slowing Dewetting of Conjugated Polymers by Light. <i>Macromolecules</i> , 2013, 46, 2352-2356.	4.8	26
114	Identifying the optimum composition in organic solar cells comprising non-fullerene electron acceptors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5989.	10.3	24
115	Influence of Solid-State Microstructure on the Electronic Performance of 5,11-Bis(triethylsilylethynyl) Anthradithiophene. <i>Chemistry of Materials</i> , 2013, 25, 1823-1828.	6.7	21
116	Microstructure formation in molecular and polymer semiconductors assisted by nucleation agents. <i>Nature Materials</i> , 2013, 12, 628-633.	27.5	131
117	Long-lived photoexcitations in intercalated, partially and predominantly non-intercalated polymer:fullerene blends. , 2013, , .		0
118	Controlling the solid-state microstructure of organic semiconducting materials by molecular compound formation. <i>Journal of Organic Semiconductors</i> , 2013, 1, 16-21.	1.2	3
119	Optical signatures of the interplay between intermolecular and intramolecular coupling in plastic semiconductors. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
120	Controllable Processes for Generating Large Single Crystals of Poly(3-hexylthiophene). <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11131-11135.	13.8	165
121	Ferroelectric Phase Diagram of PVDF:PMMA. <i>Macromolecules</i> , 2012, 45, 7477-7485.	4.8	99
122	Effects of a Heavy Atom on Molecular Order and Morphology in Conjugated Polymer:Fullerene Photovoltaic Blend Thin Films and Devices. <i>ACS Nano</i> , 2012, 6, 9646-9656.	14.6	70
123	Low band gap selenophene—diketopyrrolopyrrole polymers exhibiting high and balanced ambipolar performance in bottom-gate transistors. <i>Chemical Science</i> , 2012, 3, 181-185.	7.4	169
124	Fullerene crystallisation as a key driver of charge separation in polymer/fullerene bulk heterojunction solar cells. <i>Chemical Science</i> , 2012, 3, 485-492.	7.4	418
125	Effect of Multiple Adduct Fullerenes on Microstructure and Phase Behavior of P3HT:Fullerene Blend Films for Organic Solar Cells. <i>ACS Nano</i> , 2012, 6, 3868-3875.	14.6	58
126	Photo-Oriented Trisazobenzene Layers for Patterned Liquid-Crystal Alignment. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 562, 133-140.	0.9	4

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127	One-pot synthesis of polymer/inorganic hybrids: toward readily accessible, low-loss, and highly tunable refractive index materials and patterns. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 65-74.	2.1	32
128	The influence of solid-state microstructure on the origin and yield of long-lived photogenerated charge in neat semiconducting polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 27-37.	2.1	101
129	On the phase behaviour of organic semiconductors. <i>Polymer International</i> , 2012, 61, 866-873.	3.1	41
130	Comparative Optoelectronic Study between Copolymers of Peripherally Alkylated Dithienosilole and Dithienogermole. <i>Macromolecules</i> , 2012, 45, 735-742.	4.8	42
131	Solution-processed small molecule transistors with low operating voltages and high grain-boundary anisotropy. <i>Journal of Materials Chemistry</i> , 2012, 22, 9458.	6.7	19
132	Processing and Low Voltage Switching of Organic Ferroelectric Phase-Separated Bistable Diodes. <i>Advanced Functional Materials</i> , 2012, 22, 2750-2757.	14.9	52
133	Versatile Chromism of Titanium Oxide Hydrate/Poly(vinyl alcohol) Hybrid Systems. <i>Advanced Materials</i> , 2012, 24, 3015-3019.	21.0	4
134	Synthesis and charge transport studies of stable, soluble hexacenes. <i>Chemical Communications</i> , 2012, 48, 8261.	4.1	37
135	High permittivity dielectrics for poly(3-alkylthiophene) field-effect transistor devices. <i>Organic Electronics</i> , 2012, 13, 173-177.	2.6	1
136	Synthesis, Characterization, and Field Effect Transistor Properties of Regioregular Poly(3-alkyl-2,5-selenylenevinylene). <i>Macromolecules</i> , 2011, 44, 5194-5199.	4.8	49
137	Wire-bar coating of semiconducting polythiophene/insulating polyethylene blend thin films for organic transistors. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	38
138	Photo-induced molecular alignment of trisazobenzene derivatives. <i>Journal of Materials Chemistry</i> , 2011, 21, 4339.	6.7	17
139	Enhanced Charge-Carrier Mobility in High-Pressure-Crystallized Poly(3-hexylthiophene). <i>Macromolecules</i> , 2011, 44, 1221-1225.	4.8	56
140	Charge Separation in Semicrystalline Polymeric Semiconductors by Photoexcitation: Is the Mechanism Intrinsic or Extrinsic?. <i>Physical Review Letters</i> , 2011, 106, 197401.	7.8	118
141	Soluble fullerene derivatives: The effect of electronic structure on transistor performance and air stability. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	19
142	Influence of molecular architecture and processing on properties of semiconducting arylacetylene: Insulating poly(vinylidene fluoride) blends. <i>Organic Electronics</i> , 2011, 12, 1886-1892.	2.6	23
143	A low band gap co-polymer of dithienogermole and 2,1,3-benzothiadiazole by Suzuki polycondensation and its application in transistor and photovoltaic cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 16257.	6.7	91
144	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.	2.1	73

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145	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.	14.9	100
146	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.	14.9	37
147	Spinodal Decomposition of Blends of Semiconducting and Ferroelectric Polymers. <i>Advanced Functional Materials</i> , 2011, 21, 1887-1894.	14.9	58
148	Organic Semiconductor:Insulator Polymer Ternary Blends for Photovoltaics. <i>Advanced Materials</i> , 2011, 23, 4093-4097.	21.0	77
149	Percolation behaviour in high mobility p-channel polymer/small-molecule blend organic field-effect transistors. <i>Organic Electronics</i> , 2011, 12, 143-147.	2.6	46
150	Single-step solution processing of small-molecule organic semiconductor field-effect transistors at high yield. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	16
151	Crossbar memory array of organic bistable rectifying diodes for nonvolatile data storage. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	60
152	Organic Semiconductor Growth and Morphology Considerations for Organic Thin-Film Transistors. <i>Advanced Materials</i> , 2010, 22, 3857-3875.	21.0	451
153	Solid-State Processing of Organic Semiconductors. <i>Advanced Materials</i> , 2010, 22, 3942-3947.	21.0	46
154	Spray-Deposited Li-Doped ZnO Transistors with Electron Mobility Exceeding 50 cm <sup>2</sup> /Vs. <i>Advanced Materials</i> , 2010, 22, 4764-4769.	21.0	105
155	Apatite Deposition on NaOH-Treated PEEK and UHMWPE Films for Sclera Materials in Artificial Cornea Implants. <i>Advanced Engineering Materials</i> , 2010, 12, B234.	3.5	5
156	Low-temperature printing of crystalline:crystalline polymer blend transistors. <i>Organic Electronics</i> , 2010, 11, 1296-1300.	2.6	15
157	Stable Holographic Gratings with Small-Molecular Trisazobenzene Derivatives. <i>Journal of the American Chemical Society</i> , 2010, 132, 509-516.	13.7	70
158	Bulk charge transport in liquid-crystalline polymer semiconductors based on poly(2,5-bis(3-alkylthiophen-2-yl)thieno[3,2-b]thiophene). <i>Polymer Chemistry</i> , 2010, 1, 1448.	3.9	10
159	Understanding the Influence of Morphology on Poly(3-hexylselenothiophene):PCBM Solar Cells. <i>Macromolecules</i> , 2010, 43, 1169-1174.	4.8	92
160	Pronounced photochromism of titanium oxide hydrates (hydrous TiO <sub>2</sub> ). <i>Journal of Materials Chemistry</i> , 2010, 20, 1348-1356.	6.7	34
161	Role of Ultrafast Torsional Relaxation in the Emission from Polythiophene Aggregates. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2788-2792.	4.6	90
162	Solution-processed organic transistors based on semiconducting blends. <i>Journal of Materials Chemistry</i> , 2010, 20, 2562.	6.7	201

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