

# Christine K Luscombe

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

136  
papers

6,802  
citations

43  
h-index

80  
g-index

167  
ext. papers

7,769  
ext. citations

8  
avg, IF

6.42  
L-index

#	Paper	IF	Citations
136	The effect of side chain engineering on conjugated polymers in organic electrochemical transistors for bioelectronic applications.. <i>Journal of Materials Chemistry C</i> , <b>2022</b> , 10, 2314-2332	7.1	5
135	Consensus statement: Standardized reporting of power-producing luminescent solar concentrator performance. <i>Joule</i> , <b>2022</b> , 6, 8-15	27.8	14
134	Molecular Design Strategies toward Improvement of Charge Injection and Ionic Conduction in Organic Mixed Ionic-Electronic Conductors for Organic Electrochemical Transistors.. <i>Chemical Reviews</i> , <b>2021</b> ,	68.1	22
133	Advances in applying C <sub>60</sub> functionalization and naturally sourced building blocks in organic semiconductor synthesis. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 16391-16409	7.1	3
132	Organic building blocks at inorganic nanomaterial interfaces. <i>Materials Horizons</i> , <b>2021</b> ,	14.4	1
131	Triarylborane-BODIPY conjugate: An efficient non-fullerene electron acceptor for bulk heterojunction organic solar cell. <i>Solar Energy</i> , <b>2021</b> , 230, 242-249	6.8	3
130	Role of Postdeposition Thermal Annealing on Intracrystallite and Intercrystallite Structuring and Charge Transport in Poly(3-hexylthiophene). <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 999-1007	9.5	8
129	Blend Morphology in Polythiophene/Polystyrene Composites from Neutron and X-ray Scattering. <i>Macromolecules</i> , <b>2021</b> , 54, 2960-2978	5.5	3
128	Macromolecular Science Turns 100. <i>Chemistry International</i> , <b>2021</b> , 43, 4-9	1.6	
127	Modular Zwitterion-Functionalized Poly(isopropyl methacrylate) Polymers for Hosting Luminescent Lead Halide Perovskite Nanocrystals. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 3779-3790	9.6	7
126	Structural and Morphological Characterization of Novel Organic Electrochemical Transistors via Four-dimensional (4D) Scanning Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , <b>2021</b> , 27, 1792-1794	0.5	0
125	Ligand Pyrolysis during Air-Free Inorganic Nanocrystal Synthesis. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 136-145	4.6	2
124	Organic Semiconductors at the University of Washington: Advancements in Materials Design and Synthesis and toward Industrial Scale Production. <i>Advanced Materials</i> , <b>2021</b> , 33, e1904239	24	18
123	Theoretical background on semiconducting polymers and their applications to OSCs and OLEDs. <i>Chemistry Teacher International</i> , <b>2021</b> , 3, 169-183	1	1
122	Room Temperature C-H Arylation of Benzofurans by Aryl Iodides. <i>Organic Letters</i> , <b>2021</b> , 23, 7079-7082	6.2	5
121	Algorithmically extracted morphology descriptions for predicting device performance. <i>Computational Materials Science</i> , <b>2021</b> , 197, 110599	3.2	0
120	Green syntheses of stable and efficient organic dyes for organic hybrid light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 7274-7283	7.1	3

119	Side chain engineering control of mixed conduction in oligoethylene glycol-substituted polythiophenes. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 21410-21423	13	6
118	Complex Relationship between Side-Chain Polarity, Conductivity, and Thermal Stability in Molecularly Doped Conjugated Polymers. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 741-753	9.6	16
117	Generalizable Framework for Algorithmic Interpretation of Thin Film Morphologies in Scanning Probe Images. <i>Journal of Chemical Information and Modeling</i> , <b>2020</b> , 60, 3387-3397	6.1	5
116	Room-temperature Pd/Ag direct arylation enabled by a radical pathway. <i>Beilstein Journal of Organic Chemistry</i> , <b>2020</b> , 16, 384-390	2.5	5
115	Quo Vadis, Macromolecular Science? Reflections by the IUPAC Polymer Division on the Occasion of the Staudinger Centenary. <i>Israel Journal of Chemistry</i> , <b>2020</b> , 60, 9-19	3.4	4
114	A Reversible Structural Phase Transition by Electrochemically-Driven Ion Injection into a Conjugated Polymer. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 7434-7442	16.4	36
113	The Role of Tie Chains on the Mechano-Electrical Properties of Semiconducting Polymer Films. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 1901070	6.4	13
112	P-Type Electrochemical Doping Can Occur by Cation Expulsion in a High-Performing Polymer for Organic Electrochemical Transistors <b>2020</b> , 2, 254-260		18
111	Low incidence of microplastic contaminants in Pacific oysters ( <i>Crassostrea gigas</i> Thunberg) from the Salish Sea, USA. <i>Science of the Total Environment</i> , <b>2020</b> , 715, 136826	10.2	28
110	Terminology of polymers in advanced lithography (IUPAC Recommendations 2020). <i>Pure and Applied Chemistry</i> , <b>2020</b> , 92, 1861-1891	2.1	0
109	A concise guide to polymer nomenclature for authors of papers and reports in polymer science and technology (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , <b>2020</b> , 92, 797-813	2.1	1
108	Investigation of Bimetallic Nickel Catalysts in Catalyst-Transfer Polymerization of $\pi$ -Conjugated Polymers. <i>Macromolecular Chemistry and Physics</i> , <b>2020</b> , 221, 1900363	2.6	0
107	Enhanced miscibility and strain resistance of blended elastomer/ $\pi$ -conjugated polymer composites through side chain functionalization towards stretchable electronics. <i>Polymer International</i> , <b>2020</b> , 69, 308-316	3.3	1
106	Coherent Spin Precession and Lifetime-Limited Spin Dephasing in CsPbBr Perovskite Nanocrystals. <i>Nano Letters</i> , <b>2020</b> , 20, 8626-8633	11.5	13
105	Elucidating the Influence of Side-Chain Circular Distribution on the Crack Onset Strain and Hole Mobility of Near-Amorphous Indacenodithiophene Copolymers. <i>Macromolecules</i> , <b>2020</b> , 53, 7511-7518	5.5	11
104	Recent Advances in the Green, Sustainable Synthesis of Semiconducting Polymers. <i>Trends in Chemistry</i> , <b>2019</b> , 1, 670-681	14.8	23
103	Exploration and development of gold- and silver-catalyzed cross dehydrogenative coupling toward donor-acceptor $\pi$ -conjugated polymer synthesis. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 486-493	4.9	16
102	Assessment of molecular dynamics simulations for amorphous poly(3-hexylthiophene) using neutron and X-ray scattering experiments. <i>Soft Matter</i> , <b>2019</b> , 15, 5067-5083	3.6	10

101	List of keywords for polymer science (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , <b>2019</b> , 91, 997-1027	2.1	
100	Defect Tolerance of $\pi$ -Conjugated Polymer Crystal Lattices and Their Relevance to Optoelectronic Applications. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 1466-1475	4.3	5
99	Quantum-cutting Yb <sup>3+</sup> -doped perovskite nanocrystals for monolithic bilayer luminescent solar concentrators. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 9279-9288	13	41
98	Morphological effects on polymeric mixed ionic/electronic conductors. <i>Molecular Systems Design and Engineering</i> , <b>2019</b> , 4, 310-324	4.6	33
97	Anisotropic Polaron Delocalization in Conjugated Homopolymers and Donor-Acceptor Copolymers. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 7033-7045	9.6	26
96	Polymer Crystallinity Controls Water Uptake in Glycol Side-Chain Polymer Organic Electrochemical Transistors. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 4345-4354	16.4	107
95	Influence of Side-Chain Chemistry on Structure and Ionic Conduction Characteristics of Polythiophene Derivatives: A Computational and Experimental Study. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 1418-1429	9.6	58
94	Theobromine and direct arylation: a sustainable and scalable solution to minimize aggregation caused quenching. <i>Green Chemistry</i> , <b>2019</b> , 21, 6600-6605	10	7
93	Review on the Role of Polymers in Luminescent Solar Concentrators. <i>Journal of Polymer Science Part A</i> , <b>2019</b> , 57, 201-215	2.5	55
92	Towards Green Synthesis and Processing of Organic Solar Cells. <i>Chemical Record</i> , <b>2019</b> , 19, 1039-1049	6.6	29
91	Low Boiling Point Solvent Additives for Improved Photooxidative Stability in Organic Photovoltaics. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1700416	6.4	18
90	Determination of the Molecular Weight of Conjugated Polymers with Diffusion-Ordered NMR Spectroscopy. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 570-576	9.6	33
89	End-Functionalized Semiconducting Polymers as Reagents in the Synthesis of Hybrid II-VI Nanoparticles. <i>Langmuir</i> , <b>2018</b> , 34, 9692-9700	4	5
88	Spectral Signatures and Spatial Coherence of Bound and Unbound Polarons in P3HT Films: Theory Versus Experiment. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 18048-18060	3.8	50
87	Recent Developments in C-H Activation for Materials Science in the Center for Selective C-H Activation. <i>Molecules</i> , <b>2018</b> , 23,	4.8	31
86	Unraveling the Effect of Conformational and Electronic Disorder in the Charge Transport Processes of Semiconducting Polymers. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1804142	15.6	25
85	Low Elastic Modulus and High Charge Mobility of Low-Crystallinity Indacenodithiophene-Based Semiconducting Polymers for Potential Applications in Stretchable Electronics. <i>Macromolecules</i> , <b>2018</b> , 51, 6352-6358	5.5	54
84	Sonocrystallization of conjugated polymers with ultrasound fields. <i>Soft Matter</i> , <b>2018</b> , 14, 4963-4976	3.6	13

83	Dual-Catalytic AgPd System for Direct Arylation Polymerization to Synthesize Poly(3-hexylthiophene). <i>ACS Macro Letters</i> , <b>2018</b> , 7, 767-771	6.6	29
82	Assessing the HuangBrown Description of Tie Chains for Charge Transport in Conjugated Polymers. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 1333-1338	6.6	46
81	Conjugated polymer nanowires: advances and perspectives toward effective commercial implementation. <i>Polymer Journal</i> , <b>2018</b> , 50, 659-669	2.7	19
80	The Direct Arylation Polymerization (DARP) of Well-Defined Alternating Copolymers Based On 5,6-Dicyano[2,1,3]benzothiadiazole (DCBT). <i>Asian Journal of Organic Chemistry</i> , <b>2018</b> , 7, 1419-1425	3	7
79	Self-Assembled Amphiphilic Block Copolymers/CdTe Nanocrystals for Efficient Aqueous-Processed Hybrid Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 17942-17948	9.5	25
78	An indenodithiophene-based semiconducting polymer with high ductility for stretchable organic electronics. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 5185-5193	4.9	27
77	Electrochemical strain microscopy probes morphology-induced variations in ion uptake and performance in organic electrochemical transistors. <i>Nature Materials</i> , <b>2017</b> , 16, 737-742	27	101
76	Macroscopically aligned nanowire arrays of conjugated polymers via shear-enhanced crystallization. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 5128-5134	7.1	15
75	Direct Arylation Polycondensation of 2,5-Dithienylsilole with a Series of Difluorobenzodiimine-Based Electron Acceptors. <i>Macromolecules</i> , <b>2017</b> , 50, 4623-4628	5.5	9
74	Solution processed low-k dielectric core-shell nanoparticles for additive manufacturing of microwave devices. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45335	2.9	4
73	Recent advances in high performance donor-acceptor polymers for organic photovoltaics. <i>Progress in Polymer Science</i> , <b>2017</b> , 70, 34-51	29.6	172
72	The Effects of Crystallinity on Charge Transport and the Structure of Sequentially Processed F4TCNQ-Doped Conjugated Polymer Films. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1702654	15.6	139
71	Towards the synthesis of poly(azafulleroid)s: main chain fullerene oligomers for organic photovoltaic devices. <i>Polymer International</i> , <b>2017</b> , 66, 1364-1371	3.3	1
70	Structure and design of polymers for durable, stretchable organic electronics. <i>Polymer Journal</i> , <b>2017</b> , 49, 41-60	2.7	55
69	Straightening Single-Walled Carbon Nanotubes by Adsorbed Rigid Poly(3-hexylthiophene) Chains via Interaction. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 27665-27674	3.8	19
68	Poly(3-hexylthiophene) End-Functionalization via Quenching Resulting in Heteroatom-Bond Formation. <i>Australian Journal of Chemistry</i> , <b>2016</b> , 69, 701	1.2	1
67	Nanoparticle Ligands and Pyrolyzed Graphitic Carbon in CZTSSe Photovoltaic Devices. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 135-145	9.6	27
66	Microwave dielectric properties of polytetrafluoroethylene-polyacrylate composite films made via aerosol deposition. <i>Polymer International</i> , <b>2016</b> , 65, 820-826	3.3	6

65	C <sub>60</sub> Arylation in the Synthesis of $\pi$ -Conjugated Polymers. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 724-729	6.6	69
64	Preparation of an Arylated Alkylthiophene Monomer via C <sub>60</sub> Activation for Use in Pd-PEPPSI-iPr Catalyzed-Controlled Chain Growth Polymerization. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 533-536	6.6	35
63	Sulfur copolymer for the direct synthesis of ligand-free CdS nanoparticles. <i>Chemical Communications</i> , <b>2015</b> , 51, 11244-7	5.8	23
62	N-Type Hyperbranched Polymers for Supercapacitor Cathodes with Variable Porosity and Excellent Electrochemical Stability. <i>Macromolecules</i> , <b>2015</b> , 48, 5196-5203	5.5	36
61	Effect of Regioregularity on Charge Transport and Structural and Excitonic Coherence in Poly(3-hexylthiophene) Nanowires. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 14911-14918	3.8	56
60	Solvatochromism and conformational changes in fully dissolved poly(3-alkylthiophene)s. <i>Langmuir</i> , <b>2015</b> , 31, 458-68	4	24
59	The future of organic photovoltaics. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 78-90	58.5	577
58	Synthesis of Arylamine Tribenzopentaphenes and Investigation of their Hole Mobility. <i>ChemistryOpen</i> , <b>2015</b> , 4, 453-6	2.3	6
57	Orbital alignment at the internal interface of arylthiol functionalized CdSe molecular hybrids. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 155501	2.5	3
56	Influence of fluorine substituents on the film dielectric constant and open-circuit voltage in organic photovoltaics. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 3278-3284	7.1	58
55	Identifying effects of TiO <sub>2</sub> nanowires inside bulk heterojunction organic photovoltaics on charge diffusion and recombination. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 4922-4927	7.1	10
54	Simple procedure for mono- and bis-end-functionalization of regioregular poly(3-hexylthiophene)s using chalcogens. <i>Chemical Communications</i> , <b>2014</b> , 50, 5310-2	5.8	31
53	Crystallinity Effects in Sequentially Processed and Blend-Cast Bulk-Heterojunction Polymer/Fullerene Photovoltaics. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 18424-18435	3.8	35
52	Fully Conjugated Graft Copolymers Comprising a P-Type Donor/Acceptor Backbone and Poly(3-hexylthiophene) Side Chains Synthesized Via a Graft Through Approach. <i>Macromolecules</i> , <b>2014</b> , 47, 5019-5028	5.5	24
51	Quantifying Crystallinity in High Molar Mass Poly(3-hexylthiophene). <i>Macromolecules</i> , <b>2014</b> , 47, 3942-3950	5.5	82
50	Synthesis and characterization of polyarylacetylene for use in the monolithic vitreous carbon processing. <i>Polimeros</i> , <b>2014</b> , 24, 541-546	1.6	8
49	Progress in the Synthesis of Poly (3-hexylthiophene). <i>Advances in Polymer Science</i> , <b>2014</b> , 1-38	1.3	9
48	C <sub>60</sub> Arylation Reaction: Atom Efficient and Greener Syntheses of $\pi$ -Conjugated Small Molecules and Macromolecules for Organic Electronic Materials. <i>Macromolecules</i> , <b>2013</b> , 46, 8059-8078	5.5	269



47	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> , <b>2013</b> , 38, 1978-1989	29.6	219
46	Measurement of the Internal Orbital Alignment of Oligothiophene-TiO <sub>2</sub> Nanoparticle Hybrids. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 13961-13970	3.8	9
45	A one pot organic/CdSe nanoparticle hybrid material synthesis with in situ conjugated ligand functionalization. <i>Chemical Communications</i> , <b>2013</b> , 49, 1321-3	5.8	15
44	Thiophene based hyperbranched polymers with tunable branching using direct arylation methods. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 3499	4.9	74
43	TiO <sub>2</sub> nanowire electron transport pathways inside organic photovoltaics. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 4566-72	3.6	14
42	Room-temperature carbon-sulfur bond formation from Ni(II) aryl complex via cleavage of the S-S bond of disulfide moieties. <i>Applied Organometallic Chemistry</i> , <b>2013</b> , 27, 639-643	3.1	12
41	Modification of PCBM Crystallization via Incorporation of C <sub>60</sub> in Polymer/Fullerene Solar Cells. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 514-522	15.6	65
40	Synthesis and characterization of fused-thiophene containing naphthalene diimide n-type copolymers for organic thin film transistor and all-polymer solar cell applications. <i>Journal of Polymer Science Part A</i> , <b>2013</b> , 51, 4061-4069	2.5	42
39	Low Bandgap Polymers Based on Silafluorene Containing Multifused Heptacyclic Arenes for Photovoltaic Applications. <i>Macromolecules</i> , <b>2012</b> , 45, 5934-5940	5.5	33
38	Constructing Regioregular Star Poly(3-hexylthiophene) via Externally Initiated Kumada Catalyst-Transfer Polycondensation.. <i>ACS Macro Letters</i> , <b>2012</b> , 1, 392-395	6.6	60
37	Surface-initiated synthesis of poly(3-methylthiophene) from indium tin oxide and its electrochemical properties. <i>Langmuir</i> , <b>2012</b> , 28, 1900-8	4	56
36	Planar holographic spectrum-splitting PV module design <b>2012</b> ,		4
35	Controlled polymerizations for the synthesis of semiconducting conjugated polymers. <i>Polymer Chemistry</i> , <b>2011</b> , 2, 2424	4.9	161
34	Oligoselenophene derivatives functionalized with a diketopyrrolopyrrole core for molecular bulk heterojunction solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 271-8	9.5	58
33	Controlling vertical morphology within the active layer of organic photovoltaics using poly(3-hexylthiophene) nanowires and phenyl-C <sub>61</sub> -butyric acid methyl ester. <i>ACS Nano</i> , <b>2011</b> , 5, 3132-40	16.7	59
32	In-situ Crosslinking and n-Doping of Semiconducting Polymers and Their Application as Efficient Electron-Transporting Materials in Inverted Polymer Solar Cells. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 1148-1153	21.8	72
31	Synthesis and Characterization of Solution-Processable Ladderized n-Type Naphthalene Bisimide Copolymers for OFET Applications. <i>Macromolecules</i> , <b>2011</b> , 44, 4721-4728	5.5	93
30	Benzo[2,1-b;3,4-b']dithiophene-based low-bandgap polymers for photovoltaic applications. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 701-711	2.5	38

29	Steric Effects of the Initiator Substituent Position on the Externally Initiated Polymerization of 2-Bromo-5-iodo-3-hexylthiophene. <i>Macromolecules</i> , <b>2011</b> , 44, 512-520	5.5	56
28	P3HT:PCBM polymer solar cells with TiO <sub>2</sub> nanotube aggregates in the active layer. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 2612		29
27	Synthesis and Characterization of Thiophene-Containing Naphthalene Diimide n-Type Copolymers for OFET Applications. <i>Macromolecules</i> , <b>2010</b> , 43, 6348-6352	5.5	157
26	OTFT performance of air-stable ester-functionalized polythiophenes. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 3040		7
25	Granular magnetoresistance in cobalt/poly (3-hexylthiophene, 2, 5-diyl) hybrid thin films prepared by a wet chemical method. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 082509	3.4	14
24	The Effects of Binding Ligand Variation on the Nickel Catalyzed Externally Initiated Polymerization of 2-Bromo-3-hexyl-5-iodothiophene. <i>Macromolecular Chemistry and Physics</i> , <b>2009</b> , 210, 1966-1972	2.6	43
23	Organometallic Donor-Acceptor Conjugated Polymer Semiconductors: Tunable Optical, Electrochemical, Charge Transport, and Photovoltaic Properties. <i>Macromolecules</i> , <b>2009</b> , 42, 671-681	5.5	130
22	The role of mesoscopic PCBM crystallites in solvent vapor annealed copolymer solar cells. <i>ACS Nano</i> , <b>2009</b> , 3, 627-36	16.7	131
21	Steric Stabilization Effects in Nickel-Catalyzed Regioregular Poly(3-hexylthiophene) Synthesis. <i>Macromolecules</i> , <b>2009</b> , 42, 9387-9389	5.5	63
20	Effect of Initiators on the Kumada Catalyst-Transfer Polycondensation Reaction. <i>Macromolecules</i> , <b>2009</b> , 42, 7670-7677	5.5	84
19	Externally initiated regioregular P3HT with controlled molecular weight and narrow polydispersity. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 12894-5	16.4	230
18	Preparation of Titanium Oxide Pillars on Glass Substrates and Ultrathin Titanium Oxide Layer using PMMA/PS Blend Films. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 7886-7894	3.8	5
17	Lithography-free high-resolution organic transistor arrays on polymer substrate by low energy selective laser ablation of inkjet-printed nanoparticle film. <i>Applied Physics A: Materials Science and Processing</i> , <b>2008</b> , 92, 579-587	2.6	67
16	Synthesis of supercritical carbon dioxide soluble perfluorinated dendrons for surface modification. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 5505-13	4.2	14
15	Direct nanoimprinting of metal nanoparticles for nanoscale electronics fabrication. <i>Nano Letters</i> , <b>2007</b> , 7, 1869-77	11.5	262
14	High-efficiency, Cd-free copper indium gallium selenide/polymer hybrid solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2007</b> , 91, 807-812	6.4	15
13	All-inkjet-printed flexible electronics fabrication on a polymer substrate by low-temperature high-resolution selective laser sintering of metal nanoparticles. <i>Nanotechnology</i> , <b>2007</b> , 18, 345202	3.4	560
12	Air stable high resolution organic transistors by selective laser sintering of ink-jet printed metal nanoparticles. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 141103	3.4	153



11	Dependence of band offset and open-circuit voltage on the interfacial interaction between TiO <sub>2</sub> and carboxylated polythiophenes. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 3257-61	3.4	96
10	Printable polythiophene gas sensor array for low-cost electronic noses. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 014506	2.5	131
9	Enhancing the thermal stability of polythiophene:fullerene solar cells by decreasing effective polymer regioregularity. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 13988-9	16.4	206
8	Synthesis, Characterization, and Field-Effect Transistor Performance of Carboxylate-Functionalized Polythiophenes with Increased Air Stability. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 4892-4899	9.6	174
7	Fluorinated Silane Self-Assembled Monolayers as Resists for Patterning Indium Tin Oxide. <i>Langmuir</i> , <b>2003</b> , 19, 5273-5278	4	50
6	Synthesis, structure revision, and absolute configuration of (+)-didemniserinolipid B, a serinol marine natural product from a tunicate <i>Didemnum</i> sp. <i>Organic Letters</i> , <b>2002</b> , 4, 3223-6	6.2	58
5	Strategies for the Development of Conjugated Polymer Molecular Dynamics Force Fields Validated with Neutron and X-ray Scattering. <i>ACS Polymers Au</i> ,		4
4	Naturally Derived Organic Dyes for LED Lightings of High Color Rendering and Fidelity Index. <i>Advanced Sustainable Systems</i> , 2000300	5.9	3
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