

Christine K Luscombe

List of Publications by Year in descending order

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156
papers

8,669
citations

44069

48
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46799

89
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167
all docs

167
docs citations

167
times ranked

9927
citing authors

#	ARTICLE	IF	CITATIONS
1	Naturally Derived Organic Dyes for LED Lightings of High Color Rendering and Fidelity Index. <i>Advanced Sustainable Systems</i> , 2022, 6, 2000300.	5.3	6
2	Organic building blocks at inorganic nanomaterial interfaces. <i>Materials Horizons</i> , 2022, 9, 61-87.	12.2	18
3	The effect of side chain engineering on conjugated polymers in organic electrochemical transistors for bioelectronic applications. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2314-2332.	5.5	39
4	Consensus statement: Standardized reporting of power-producing luminescent solar concentrator performance. <i>Joule</i> , 2022, 6, 8-15.	24.0	66
5	An Exception to the Carothers Equation Caused by the Accelerated Chain Extension in a Pd/Ag Cocatalyzed Cross Dehydrogenative Coupling Polymerization. <i>Journal of the American Chemical Society</i> , 2022, 144, 2311-2322.	13.7	13
6	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> , 2022, 122, 4325-4355.	47.7	100
7	Reconsidering terms for mechanisms of polymer growth: the "step-growth" and "chain-growth" dilemma. <i>Polymer Chemistry</i> , 2022, 13, 2262-2270.	3.9	11
8	Conjugated Metal-Organic Macrocycles: Synthesis, Characterization, and Electrical Conductivity. <i>Journal of the American Chemical Society</i> , 2022, 144, 4515-4521.	13.7	25
9	Circular Discovery in Small Molecule and Conjugated Polymer Synthetic Methodology. <i>Journal of the American Chemical Society</i> , 2022, 144, 6123-6135.	13.7	25
10	Impact of varying side chain structure on organic electrochemical transistor performance: a series of oligoethylene glycol-substituted polythiophenes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 10738-10749.	10.3	18
11	Environmental Chemistry and Sustainability. <i>Chemistry International</i> , 2022, 44, 45-48.	0.3	0
12	Gaining control over conjugated polymer morphology to improve the performance of organic electronics. <i>Chemical Communications</i> , 2022, 58, 6982-6997.	4.1	7
13	In Situ Studies of the Swelling by an Electrolyte in Electrochemical Doping of Ethylene Glycol-Substituted Polythiophene. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29052-29060.	8.0	13
14	Direct Patterning of Perovskite Nanocrystals on Nanophotonic Cavities with Electrohydrodynamic Inkjet Printing. <i>Nano Letters</i> , 2022, 22, 5681-5688.	9.1	15
15	(Invited) Organic Dyes Derived from Molecules in Cacao Beans for Use in Lighting Applications. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 1101-1101.	0.0	0
16	Ligand Pyrolysis during Air-Free Inorganic Nanocrystal Synthesis. <i>Chemistry of Materials</i> , 2021, 33, 136-145.	6.7	7
17	Organic Semiconductors at the University of Washington: Advancements in Materials Design and Synthesis and toward Industrial Scale Production. <i>Advanced Materials</i> , 2021, 33, e1904239.	21.0	25
18	Theoretical background on semiconducting polymers and their applications to OSCs and OLEDs. <i>Chemistry Teacher International</i> , 2021, 3, 169-183.	1.7	7

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19	Blend Morphology in Polythiopheneâ€“Polystyrene Composites from Neutron and X-ray Scattering. <i>Macromolecules</i> , 2021, 54, 2960-2978.	4.8	9
20	Macromolecular Science Turns 100. <i>Chemistry International</i> , 2021, 43, 4-9.	0.3	0
21	Modular Zwitterion-Functionalized Poly(isopropyl methacrylate) Polymers for Hosting Luminescent Lead Halide Perovskite Nanocrystals. <i>Chemistry of Materials</i> , 2021, 33, 3779-3790.	6.7	24
22	Structural and Morphological Characterization of Novel Organic Electrochemical Transistors via Four-dimensional (4D) Scanning Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2021, 27, 1792-1794.	0.4	1
23	Preface to the Special Issue of ChemSusChem on Advanced Organic Solar Cells. <i>ChemSusChem</i> , 2021, 14, 3426-3427.	6.8	1
24	Correlating conductivity and Seebeck coefficient to doping within crystalline and amorphous domains in poly(3â€“(methoxyethoxyethoxy)thiophene). <i>Journal of Polymer Science</i> , 2021, 59, 2797-2808.	3.8	11
25	Room Temperature Câ€“H Arylation of Benzofurans by Aryl Iodides. <i>Organic Letters</i> , 2021, 23, 7079-7082.	4.6	14
26	Algorithmically extracted morphology descriptions for predicting device performance. <i>Computational Materials Science</i> , 2021, 197, 110599.	3.0	4
27	Ionic Dopantâ€“Induced Ordering Enhances the Thermoelectric Properties of a Polythiopheneâ€“Based Block Copolymer. <i>Advanced Functional Materials</i> , 2021, 31, 2106991.	14.9	5
28	Green syntheses of stable and efficient organic dyes for organic hybrid light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7274-7283.	5.5	8
29	Side chain engineering control of mixed conduction in oligoethylene glycol-substituted polythiophenes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21410-21423.	10.3	25
30	Complex Relationship between Side-Chain Polarity, Conductivity, and Thermal Stability in Molecularly Doped Conjugated Polymers. <i>Chemistry of Materials</i> , 2021, 33, 741-753.	6.7	36
31	Role of Postdeposition Thermal Annealing on Intracrystallite and Intercrystallite Structuring and Charge Transport in Poly(3-hexylthiophene). <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 999-1007.	8.0	19
32	Triarylborane-BODIPY conjugate: An efficient non-fullerene electron acceptor for bulk heterojunction organic solar cell. <i>Solar Energy</i> , 2021, 230, 242-249.	6.1	8
33	Strategies for the Development of Conjugated Polymer Molecular Dynamics Force Fields Validated with Neutron and X-ray Scattering. <i>ACS Polymers Au</i> , 2021, 1, 134-152.	4.1	15
34	Advances in applying Câ€“H functionalization and naturally sourced building blocks in organic semiconductor synthesis. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16391-16409.	5.5	20
35	Investigation of Bimetallic Nickel Catalysts in Catalystâ€“Transfer Polymerization of Î€â€“Conjugated Polymers. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900363.	2.2	5
36	Enhanced miscibility and strain resistance of blended elastomer/Î€â€“conjugated polymer composites through side chain functionalization towards stretchable electronics. <i>Polymer International</i> , 2020, 69, 308-316.	3.1	3

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37	Coherent Spin Precession and Lifetime-Limited Spin Dephasing in CsPbBr ₃ Perovskite Nanocrystals. <i>Nano Letters</i> , 2020, 20, 8626-8633.	9.1	36
38	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
39	Generalizable Framework for Algorithmic Interpretation of Thin Film Morphologies in Scanning Probe Images. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 3387-3397.	5.4	10
40	Room-temperature Pd/Ag direct arylation enabled by a radical pathway. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 384-390.	2.2	13
41	Quo Vadis, Macromolecular Science? Reflections by the IUPAC Polymer Division on the Occasion of the Staudinger Centenary. <i>Israel Journal of Chemistry</i> , 2020, 60, 9-19.	2.3	5
42	A Reversible Structural Phase Transition by Electrochemically-Driven Ion Injection into a Conjugated Polymer. <i>Journal of the American Chemical Society</i> , 2020, 142, 7434-7442.	13.7	74
43	The Role of Tie Chains on the Mechano-Electrical Properties of Semiconducting Polymer Films. <i>Advanced Electronic Materials</i> , 2020, 6, 1901070.	5.1	21
44	P-Type Electrochemical Doping Can Occur by Cation Expulsion in a High-Performing Polymer for Organic Electrochemical Transistors. , 2020, 2, 254-260.		53
45	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> , 2020, 715, 136826.	8.0	65
46	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> , 2020, 92, 797-813.	1.9	6
47	Terminology of polymers in advanced lithography (IUPAC Recommendations 2020). <i>Pure and Applied Chemistry</i> , 2020, 92, 1861-1891.	1.9	2
48	An elegant molecule and a celebrated polymer chemist. <i>Chemistry International</i> , 2020, 42, 48-48.	0.3	0
49	Anisotropic Polaron Delocalization in Conjugated Homopolymers and Donor-Acceptor Copolymers. <i>Chemistry of Materials</i> , 2019, 31, 7033-7045.	6.7	39
50	Recent Advances in the Green, Sustainable Synthesis of Semiconducting Polymers. <i>Trends in Chemistry</i> , 2019, 1, 670-681.	8.5	42
51	Exploration and development of gold- and silver-catalyzed cross dehydrogenative coupling toward donor-acceptor π -conjugated polymer synthesis. <i>Polymer Chemistry</i> , 2019, 10, 486-493.	3.9	25
52	Assessment of molecular dynamics simulations for amorphous poly(3-hexylthiophene) using neutron and X-ray scattering experiments. <i>Soft Matter</i> , 2019, 15, 5067-5083.	2.7	22
53	List of keywords for polymer science (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2019, 91, 997-1027.	1.9	0
54	Defect Tolerance of π -Conjugated Polymer Crystal Lattices and Their Relevance to Optoelectronic Applications. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1466-1475.	4.4	10

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55	Quantum-cutting Yb ³⁺ -doped perovskite nanocrystals for monolithic bilayer luminescent solar concentrators. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9279-9288.	10.3	67
56	Morphological effects on polymeric mixed ionic/electronic conductors. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 310-324.	3.4	46
57	Polymer Crystallinity Controls Water Uptake in Glycol Side-Chain Polymer Organic Electrochemical Transistors. <i>Journal of the American Chemical Society</i> , 2019, 141, 4345-4354.	13.7	179
58	Influence of Side-Chain Chemistry on Structure and Ionic Conduction Characteristics of Polythiophene Derivatives: A Computational and Experimental Study. <i>Chemistry of Materials</i> , 2019, 31, 1418-1429.	6.7	84
59	Theobromine and direct arylation: a sustainable and scalable solution to minimize aggregation caused quenching. <i>Green Chemistry</i> , 2019, 21, 6600-6605.	9.0	18
60	Review on the Role of Polymers in Luminescent Solar Concentrators. <i>Journal of Polymer Science Part A</i> , 2019, 57, 201-215.	2.3	83
61	Towards Green Synthesis and Processing of Organic Solar Cells. <i>Chemical Record</i> , 2019, 19, 1039-1049.	5.8	41
62	Low Boiling Point Solvent Additives for Improved Photooxidative Stability in Organic Photovoltaics. <i>Advanced Electronic Materials</i> , 2018, 4, 1700416.	5.1	25
63	Determination of the Molecular Weight of Conjugated Polymers with Diffusion-Ordered NMR Spectroscopy. <i>Chemistry of Materials</i> , 2018, 30, 570-576.	6.7	44
64	Assessing the Huangâ€“Brown Description of Tie Chains for Charge Transport in Conjugated Polymers. <i>ACS Macro Letters</i> , 2018, 7, 1333-1338.	4.8	79
65	Ï€-Conjugated polymer nanowires: advances and perspectives toward effective commercial implementation. <i>Polymer Journal</i> , 2018, 50, 659-669.	2.7	25
66	The Direct Arylation Polymerization (DARp) of Wellâ€“Defined Alternating Copolymers Based On 5,6â€“Dicyano[2,1,3]benzothiadiazole (DCBT). <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1419-1425.	2.7	8
67	End-Functionalized Semiconducting Polymers as Reagents in the Synthesis of Hybrid IIâ€“VI Nanoparticles. <i>Langmuir</i> , 2018, 34, 9692-9700.	3.5	7
68	Spectral Signatures and Spatial Coherence of Bound and Unbound Polarons in P3HT Films: Theory Versus Experiment. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18048-18060.	3.1	70
69	Recent Developments in Câ€“H Activation for Materials Science in the Center for Selective Câ€“H Activation. <i>Molecules</i> , 2018, 23, 922.	3.8	47
70	Unraveling the Effect of Conformational and Electronic Disorder in the Charge Transport Processes of Semiconducting Polymers. <i>Advanced Functional Materials</i> , 2018, 28, 1804142.	14.9	34
71	Low Elastic Modulus and High Charge Mobility of Low-Crystallinity Indacenodithiophene-Based Semiconducting Polymers for Potential Applications in Stretchable Electronics. <i>Macromolecules</i> , 2018, 51, 6352-6358.	4.8	80
72	Sonocrystallization of conjugated polymers with ultrasound fields. <i>Soft Matter</i> , 2018, 14, 4963-4976.	2.7	20

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73	Dual-Catalytic Ag ⁺ /Pd System for Direct Arylation Polymerization to Synthesize Poly(3-hexylthiophene). ACS Macro Letters, 2018, 7, 767-771.	4.8	38
74	(Invited) One-Pot Syntheses of Polymer/Cd Chalcogenide Hybrids for Optoelectronic Applications. ECS Meeting Abstracts, 2018, , .	0.0	0
75	(Invited) Amphiphilic Block Copolymers and Their Hybrids for Efficient Aqueous-Processed Solar Cells. ECS Meeting Abstracts, 2018, , .	0.0	0
76	Self-Assembled Amphiphilic Block Copolymers/CdTe Nanocrystals for Efficient Aqueous-Processed Hybrid Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 17942-17948.	8.0	32
77	An indacenodithiophene-based semiconducting polymer with high ductility for stretchable organic electronics. Polymer Chemistry, 2017, 8, 5185-5193.	3.9	38
78	Electrochemical strain microscopy probes morphology-induced variations in ion uptake and performance in organic electrochemical transistors. Nature Materials, 2017, 16, 737-742.	27.5	143
79	Macroscopically aligned nanowire arrays of π -conjugated polymers via shear-enhanced crystallization. Journal of Materials Chemistry C, 2017, 5, 5128-5134.	5.5	19
80	Direct Arylation Polycondensation of 2,5-Dithienylsilole with a Series of Difluorobenzodiimine-Based Electron Acceptors. Macromolecules, 2017, 50, 4623-4628.	4.8	10
81	Solution processed low- κ dielectric core-shell nanoparticles for additive manufacturing of microwave devices. Journal of Applied Polymer Science, 2017, 134, 45335.	2.6	4
82	Recent advances in high performance donor-acceptor polymers for organic photovoltaics. Progress in Polymer Science, 2017, 70, 34-51.	24.7	217
83	The Effects of Crystallinity on Charge Transport and the Structure of Sequentially Processed F ₄ TCNQ-Doped Conjugated Polymer Films. Advanced Functional Materials, 2017, 27, 1702654.	14.9	190
84	Towards the synthesis of poly(azafulleroid)s: main chain fullerene oligomers for organic photovoltaic devices. Polymer International, 2017, 66, 1364-1371.	3.1	1
85	Structure and design of polymers for durable, stretchable organic electronics. Polymer Journal, 2017, 49, 41-60.	2.7	80
86	Cover Image, Volume 66, Issue 10. Polymer International, 2017, 66, i-i.	3.1	0
87	Microwave dielectric properties of polytetrafluoroethylene-polyacrylate composite films made via aerosol deposition. Polymer International, 2016, 65, 820-826.	3.1	6
88	C-H Arylation in the Synthesis of π -Conjugated Polymers. ACS Macro Letters, 2016, 5, 724-729.	4.8	87
89	Preparation of an Arylated Alkylthiophene Monomer via C-H Activation for Use in Pd-PEPPSI-iPr Catalyzed-Controlled Chain Growth Polymerization. ACS Macro Letters, 2016, 5, 533-536.	4.8	38
90	Straightening Single-Walled Carbon Nanotubes by Adsorbed Rigid Poly(3-hexylthiophene) Chains via π - π Interaction. Journal of Physical Chemistry C, 2016, 120, 27665-27674.	3.1	19

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91	Synthesis of Ligand-free CdS Nanoparticles within a Sulfur Copolymer Matrix. Journal of Visualized Experiments, 2016, , .	0.3	0
92	Poly(3-hexylthiophene) End-Functionalization via Quenching Resulting in Heteroatom-Bond Formation. Australian Journal of Chemistry, 2016, 69, 701.	0.9	3
93	Nanoparticle Ligands and Pyrolyzed Graphitic Carbon in CZTSSe Photovoltaic Devices. Chemistry of Materials, 2016, 28, 135-145.	6.7	30
94	Synthesis of Arylamine Tribenzopentaphenes and Investigation of their Hole Mobility. ChemistryOpen, 2015, 4, 453-456.	1.9	6
95	Orbital alignment at the internal interface of arylthiol functionalized CdSe molecular hybrids. Journal of Applied Physics, 2015, 117, 155501.	2.5	3
96	Sulfur copolymer for the direct synthesis of ligand-free CdS nanoparticles. Chemical Communications, 2015, 51, 11244-11247.	4.1	30
97	N-Type Hyperbranched Polymers for Supercapacitor Cathodes with Variable Porosity and Excellent Electrochemical Stability. Macromolecules, 2015, 48, 5196-5203.	4.8	44
98	Effect of Regioregularity on Charge Transport and Structural and Excitonic Coherence in Poly(3-hexylthiophene) Nanowires. Journal of Physical Chemistry C, 2015, 119, 14911-14918.	3.1	71
99	Solvatochromism and Conformational Changes in Fully Dissolved Poly(3-alkylthiophene)s. Langmuir, 2015, 31, 458-468.	3.5	28
100	The future of organic photovoltaics. Chemical Society Reviews, 2015, 44, 78-90.	38.1	655
101	Synthesis and characterization of polyarylacetylene for use in the monolithic vitreous carbon processing. Polimeros, 2014, 24, 541-546.	0.7	10
102	Progress in the Synthesis of Poly (3-hexylthiophene). Advances in Polymer Science, 2014, , 1-38.	0.8	11
103	Non-toxic, colloidal ZnS-AgInS ₂ nanoparticles for organic-inorganic hybrid photovoltaics. , 2014, , .		0
104	Holographic spectral beamsplitting for increased organic photovoltaic conversion efficiency. Proceedings of SPIE, 2014, , .	0.8	1
105	Influence of fluorine substituents on the film dielectric constant and open-circuit voltage in organic photovoltaics. Journal of Materials Chemistry C, 2014, 2, 3278-3284.	5.5	64
106	Identifying effects of TiO ₂ nanowires inside bulk heterojunction organic photovoltaics on charge diffusion and recombination. Journal of Materials Chemistry C, 2014, 2, 4922-4927.	5.5	11
107	Simple procedure for mono- and bis-end-functionalization of regioregular poly(3-hexylthiophene)s using chalcogens. Chemical Communications, 2014, 50, 5310-5312.	4.1	36
108	Crystallinity Effects in Sequentially Processed and Blend-Cast Bulk-Heterojunction Polymer/Fullerene Photovoltaics. Journal of Physical Chemistry C, 2014, 118, 18424-18435.	3.1	46

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109	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> , 2014, 47, 5019-5028.	4.8	29
110	Quantifying Crystallinity in High Molar Mass Poly(3-hexylthiophene). <i>Macromolecules</i> , 2014, 47, 3942-3950.	4.8	95
111	C-H Arylation Reaction: Atom Efficient and Greener Syntheses of π -Conjugated Small Molecules and Macromolecules for Organic Electronic Materials. <i>Macromolecules</i> , 2013, 46, 8059-8078.	4.8	301
112	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
113	Measurement of the Internal Orbital Alignment of Oligothiophene-TiO ₂ Nanoparticle Hybrids. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13961-13970.	3.1	9
114	A one pot organic/CdSe nanoparticle hybrid material synthesis with in situ π -conjugated ligand functionalization. <i>Chemical Communications</i> , 2013, 49, 1321.	4.1	18
115	Thiophene based hyperbranched polymers with tunable branching using direct arylation methods. <i>Polymer Chemistry</i> , 2013, 4, 3499.	3.9	79
116	TiO ₂ nanowire electron transport pathways inside organic photovoltaics. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 4566.	2.8	19
117	Room-temperature carbon-sulfur bond formation from Ni(II) π -aryl complex via cleavage of the S-S bond of disulfide moieties. <i>Applied Organometallic Chemistry</i> , 2013, 27, 639-643.	3.5	14
118	Modification of PCBM Crystallization via Incorporation of C ₆₀ in Polymer/Fullerene Solar Cells. <i>Advanced Functional Materials</i> , 2013, 23, 514-522.	14.9	68
119	Synthesis and characterization of fused-thiophene containing naphthalene diimide <i>n</i> -type copolymers for organic thin film transistor and all-polymer solar cell applications. <i>Journal of Polymer Science Part A</i> , 2013, 51, 4061-4069.	2.3	45
120	Planar holographic spectrum-splitting PV module design. , 2012, , .		8
121	Low Bandgap Polymers Based on Silafluorene Containing Multifused Heptacyclic Arenes for Photovoltaic Applications. <i>Macromolecules</i> , 2012, 45, 5934-5940.	4.8	37
122	Constructing Regioregular Star Poly(3-hexylthiophene) via Externally Initiated Kumada Catalyst-Transfer Polycondensation. <i>ACS Macro Letters</i> , 2012, 1, 392-395.	4.8	65
123	Surface-Initiated Synthesis of Poly(3-methylthiophene) from Indium Tin Oxide and its Electrochemical Properties. <i>Langmuir</i> , 2012, 28, 1900-1908.	3.5	59
124	Chapter 14. Nanostructure Manipulation in Organic Solar Cells. <i>RSC Nanoscience and Nanotechnology</i> , 2012, , 359-391.	0.2	0
125	Steric Effects of the Initiator Substituent Position on the Externally Initiated Polymerization of 2-Bromo-5-iodo-3-hexylthiophene. <i>Macromolecules</i> , 2011, 44, 512-520.	4.8	60
126	Controlled polymerizations for the synthesis of semiconducting conjugated polymers. <i>Polymer Chemistry</i> , 2011, 2, 2424.	3.9	180

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127	Oligoselenophene Derivatives Functionalized with a Diketopyrrolopyrrole Core for Molecular Bulk Heterojunction Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 271-278.	8.0	58
128	Controlling Vertical Morphology within the Active Layer of Organic Photovoltaics Using Poly(3-hexylthiophene) Nanowires and Phenyl-C61-butyric Acid Methyl Ester. <i>ACS Nano</i> , 2011, 5, 3132-3140.	14.6	61
129	In-situ Crosslinking and Doping of Semiconducting Polymers and Their Application as Efficient Electron-Transporting Materials in Inverted Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2011, 1, 1148-1153.	19.5	80
130	Synthesis and Characterization of Solution-Processable Ladderized n-Type Naphthalene Bisimide Copolymers for OFET Applications. <i>Macromolecules</i> , 2011, 44, 4721-4728.	4.8	99
131	Benzo[2,1-b:3,4-b']dithiophene-based low-bandgap polymers for photovoltaic applications. <i>Journal of Polymer Science Part A</i> , 2011, 49, 701-711.	2.3	38
132	P3HT:PCBM polymer solar cells with TiO ₂ nanotube aggregates in the active layer. <i>Journal of Materials Chemistry</i> , 2010, 20, 2612.	6.7	30
133	Synthesis and Characterization of Thiophene-Containing Naphthalene Diimide n-Type Copolymers for OFET Applications. <i>Macromolecules</i> , 2010, 43, 6348-6352.	4.8	169
134	OTFT performance of air-stable ester-functionalized polythiophenes. <i>Journal of Materials Chemistry</i> , 2010, 20, 3040.	6.7	8
135	Granular magnetoresistance in cobalt/poly (3-hexylthiophene, 2, 5-diyl) hybrid thin films prepared by a wet chemical method. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	15
136	The Effects of Binding Ligand Variation on the Nickel Catalyzed Externally Initiated Polymerization of 2-Bromo-5-hexylthiophene. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 1966-1972.	2.2	46
137	Organometallic Donor-Acceptor Conjugated Polymer Semiconductors: Tunable Optical, Electrochemical, Charge Transport, and Photovoltaic Properties. <i>Macromolecules</i> , 2009, 42, 671-681.	4.8	135
138	The Role of Mesoscopic PCBM Crystallites in Solvent Vapor Annealed Copolymer Solar Cells. <i>ACS Nano</i> , 2009, 3, 627-636.	14.6	140
139	Steric Stabilization Effects in Nickel-Catalyzed Regioregular Poly(3-hexylthiophene) Synthesis. <i>Macromolecules</i> , 2009, 42, 9387-9389.	4.8	65
140	Effect of Initiators on the Kumada Catalyst-Transfer Polycondensation Reaction. <i>Macromolecules</i> , 2009, 42, 7670-7677.	4.8	100
141	Externally Initiated Regioregular P3HT with Controlled Molecular Weight and Narrow Polydispersity. <i>Journal of the American Chemical Society</i> , 2009, 131, 12894-12895.	13.7	255
142	Lithography-free high-resolution organic transistor arrays on a polymer substrate by low energy selective laser ablation of an inkjet-printed nanoparticle film. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 579-587.	2.3	77
143	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> , 2008, 112, 7886-7894.	3.1	5
144	All-inkjet-printed flexible electronics fabrication on a polymer substrate by low-temperature high-resolution selective laser sintering of metal nanoparticles. <i>Nanotechnology</i> , 2007, 18, 345202.	2.6	646

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145	Air stable high resolution organic transistors by selective laser sintering of ink-jet printed metal nanoparticles. <i>Applied Physics Letters</i> , 2007, 90, 141103.	3.3	182
146	Synthesis of Supercritical Carbon Dioxide Soluble Perfluorinated Dendrons for Surface Modification. <i>Journal of Organic Chemistry</i> , 2007, 72, 5505-5513.	3.2	17
147	Direct Nanoimprinting of Metal Nanoparticles for Nanoscale Electronics Fabrication. <i>Nano Letters</i> , 2007, 7, 1869-1877.	9.1	297
148	High-efficiency, Cd-free copper-indium-gallium-diselenide/polymer hybrid solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2007, 91, 807-812.	6.2	15
149	Dependence of Band Offset and Open-Circuit Voltage on the Interfacial Interaction between TiO ₂ and Carboxylated Polythiophenes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 3257-3261.	2.6	99
150	Printable polythiophene gas sensor array for low-cost electronic noses. <i>Journal of Applied Physics</i> , 2006, 100, 014506.	2.5	148
151	Enhancing the Thermal Stability of Polythiophene:Fullerene Solar Cells by Decreasing Effective Polymer Regioregularity. <i>Journal of the American Chemical Society</i> , 2006, 128, 13988-13989.	13.7	225
152	Synthesis, Characterization, and Field-Effect Transistor Performance of Carboxylate-Functionalized Polythiophenes with Increased Air Stability. <i>Chemistry of Materials</i> , 2005, 17, 4892-4899.	6.7	185
153	Fluorinated Silane Self-Assembled Monolayers as Resists for Patterning Indium Tin Oxide. <i>Langmuir</i> , 2003, 19, 5273-5278.	3.5	52
154	Synthesis, Structure Revision, and Absolute Configuration of (+)-Didemnerinolipid B, a Serinol Marine Natural Product from a Tunicate <i>Didemnum</i> sp.. <i>Organic Letters</i> , 2002, 4, 3223-3226.	4.6	63
155	Combined computational and experimental study on the effects of side-chain architecture of polythiophene derivatives on structure and ionic conduction. , 0, , .		0
156	X-ray and Neutron Scattering Analysis of Polymer Blends Composed of Conjugated and Non-Conjugated Components. , 0, , .		0