

Yuning Li

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194
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97
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198
ext. papers

11,096
ext. citations

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L-index

#	Paper	IF	Citations
194	High mobility diketopyrrolopyrrole (DPP)-based organic semiconductor materials for organic thin film transistors and photovoltaics. <i>Energy and Environmental Science</i> , 2013 , 6, 1684	35.4	552
193	A high mobility P-type DPP-thieno[3,2-b]thiophene copolymer for organic thin-film transistors. <i>Advanced Materials</i> , 2010 , 22, 4862-6	24	462
192	Facile synthesis of silver nanoparticles useful for fabrication of high-conductivity elements for printed electronics. <i>Journal of the American Chemical Society</i> , 2005 , 127, 3266-7	16.4	417
191	Stable, solution-processed, high-mobility ZnO thin-film transistors. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2750-1	16.4	401
190	A low-bandgap diketopyrrolopyrrole-benzothiadiazole-based copolymer for high-mobility ambipolar organic thin-film transistors. <i>Advanced Materials</i> , 2010 , 22, 5409-13	24	370
189	Annealing-free high-mobility diketopyrrolopyrrole-quaterthiophene copolymer for solution-processed organic thin film transistors. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2198-204	16.4	359
188	Low-temperature, solution-processed, high-mobility polymer semiconductors for thin-film transistors. <i>Journal of the American Chemical Society</i> , 2007 , 129, 4112-3	16.4	337
187	Record high electron mobility of 6.3 cm ² V ⁻¹ s ⁻¹ achieved for polymer semiconductors using a new building block. <i>Advanced Materials</i> , 2014 , 26, 2636-42, 2613	24	334
186	Indolo[3,2-b]carbazole-based thin-film transistors with high mobility and stability. <i>Journal of the American Chemical Society</i> , 2005 , 127, 614-8	16.4	314
185	Recent progress in the development of n-type organic semiconductors for organic field effect transistors. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8654-8681	7.1	274
184	Synthesis and Properties of Random and Alternating Fluorene/Carbazole Copolymers for Use in Blue Light-Emitting Devices. <i>Chemistry of Materials</i> , 2004 , 16, 2165-2173	9.6	259
183	Thiophene polymer semiconductors for organic thin-film transistors. <i>Chemistry - A European Journal</i> , 2008 , 14, 4766-78	4.8	257
182	Poly(2,5-bis(2-thienyl)-3,6-dialkylthieno [3,2-b]thiophene)s High-Mobility Semiconductors for Thin-Film Transistors. <i>Advanced Materials</i> , 2006 , 18, 3029-3032	24	167
181	Novel Peripherally Substituted Indolo[3,2-b]carbazoles for High-Mobility Organic Thin-Film Transistors. <i>Advanced Materials</i> , 2005 , 17, 849-853	24	163
180	High mobility organic thin film transistor and efficient photovoltaic devices using versatile donor-acceptor polymer semiconductor by molecular design. <i>Energy and Environmental Science</i> , 2011 , 4, 2288	35.4	154
179	Tuning Optical Properties and Enhancing Solid-State Emission of Poly(thiophene)s by Molecular Control: A Postfunctionalization Approach. <i>Macromolecules</i> , 2002 , 35, 6900-6906	5.5	150
178	High-Performance Organic Thin-Film Transistors with Solution-Printed Gold Contacts. <i>Advanced Materials</i> , 2005 , 17, 184-187	24	140

177	Polyindolo[3,2-b]carbazoles: A New Class of p-Channel Semiconductor Polymers for Organic Thin-Film Transistors. <i>Macromolecules</i> , 2006 , 39, 6521-6527	5.5	138
176	A simple and efficient approach to a printable silver conductor for printed electronics. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1862-3	16.4	131
175	3,6-Di(furan-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione and bithiophene copolymer with rather disordered chain orientation showing high mobility in organic thin film transistors. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10829		126
174	Synthesis and Thin-Film Transistor Performance of Poly(4,8-didodecylbenzo[1,2-b:4,5-b']dithiophene). <i>Chemistry of Materials</i> , 2006 , 18, 3237-3241	9.6	125
173	Enabling gate dielectric design for all solution-processed, high-performance, flexible organic thin-film transistors. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4554-5	16.4	115
172	Printed silver ohmic contacts for high-mobility organic thin-film transistors. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4202-3	16.4	112
171	Benzodithiophene Copolymer A Low-Temperature, Solution-Processed High-Performance Semiconductor for Thin-Film Transistors. <i>Advanced Functional Materials</i> , 2007 , 17, 3574-3579	15.6	108
170	Pure Deep Blue Light-Emitting Diodes from Alternating Fluorene/Carbazole Copolymers by Using Suitable Hole-Blocking Materials. <i>Macromolecules</i> , 2004 , 37, 2442-2449	5.5	108
169	Furan containing diketopyrrolopyrrole copolymers: synthesis, characterization, organic field effect transistor performance and photovoltaic properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4425-4435		102
168	Stable Solution-Processed High-Mobility Substituted Pentacene Semiconductors. <i>Chemistry of Materials</i> , 2007 , 19, 418-423	9.6	101
167	Fabrication conditions for solution-processed high-mobility ZnO thin-film transistors. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1626		98
166	Novel stable (3E,7E)-3,7-bis(2-oxoindolin-3-ylidene)benzo[1,2-b:4,5-b']difuran-2,6(3H,7H)-dione based donor-acceptor polymer semiconductors for n-type organic thin film transistors. <i>Chemical Communications</i> , 2013 , 49, 3790-2	5.8	96
165	Conjugated Polymers à la Carte from Time-Controlled Direct (Hetero)Arylation Polymerization. <i>ACS Macro Letters</i> , 2015 , 4, 21-24	6.6	93
164	Low work function metal modified ITO as cathode for inverted polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2010 , 94, 1618-1621	6.4	88
163	A furan-containing conjugated polymer for high mobility ambipolar organic thin film transistors. <i>Chemical Communications</i> , 2012 , 48, 8383-5	5.8	83
162	A conjugated polyazine containing diketopyrrolopyrrole for ambipolar organic thin film transistors. <i>Chemical Communications</i> , 2012 , 48, 8413-5	5.8	79
161	Studies of Gold Nanoparticles as Precursors to Printed Conductive Features for Thin-Film Transistors. <i>Chemistry of Materials</i> , 2006 , 18, 4627-4632	9.6	77
160	Synthesis and Properties of Polymers Containing Silphenylene Moiety via Catalytic Cross-Dehydrocoupling Polymerization of 1,4-Bis(dimethylsilyl)benzene. <i>Macromolecules</i> , 1999 , 32, 8768-8773	5.5	77

- 159 New building blocks for π -conjugated polymer semiconductors for organic thin film transistors and photovoltaics. *Journal of Materials Chemistry C*, **2014**, 2, 8651-8661 7.1 71
- 158 Novel Stable Blue-Light-Emitting Oligofluorene Networks Immobilized by Boronic Acid Anhydride Linkages. *Chemistry of Materials*, **2003**, 15, 4936-4943 9.6 70
- 157 A high mobility DPP-based polymer obtained via direct (hetero)arylation polymerization. *Polymer Chemistry*, **2015**, 6, 278-282 4.9 68
- 156 Self-aligned inkjet printing of highly conducting gold electrodes with submicron resolution. *Journal of Applied Physics*, **2007**, 101, 064513 2.5 66
- 155 Green light sensitive diketopyrrolopyrrole derivatives used in versatile photoinitiating systems for photopolymerizations. *Polymer Chemistry*, **2014**, 5, 2293 4.9 65
- 154 A Novel and Versatile Methodology for Functionalization of Conjugated Polymers. Transformation of Poly(3-bromo-4-hexylthiophene) via Palladium-Catalyzed Coupling Chemistry. *Macromolecules*, **2001**, 34, 3130-3132 5.5 63
- 153 Efficient Synthesis of Poly(silyl ether)s by Pd/C and RhCl(PPh₃)₃-Catalyzed Cross-Dehydrocoupling Polymerization of Bis(hydrosilane)s with Diols. *Macromolecules*, **1999**, 32, 6871-6873 5.5 63
- 152 Thiophene-S,S-dioxidized Indophenine: A Quinoid-Type Building Block with High Electron Affinity for Constructing n-Type Polymer Semiconductors with Narrow Band Gaps. *Angewandte Chemie - International Edition*, **2016**, 55, 3459-62 16.4 63
- 151 Thionation Enhances the Electron Mobility of Perylene Diimide for High Performance n-Channel Organic Field Effect Transistors. *Advanced Functional Materials*, **2015**, 25, 3321-3329 15.6 60
- 150 A pyridine-flanked diketopyrrolopyrrole (DPP)-based donor-acceptor polymer showing high mobility in ambipolar and n-channel organic thin film transistors. *Polymer Chemistry*, **2015**, 6, 938-945 4.9 57
- 149 3,6-Dithiophen-2-yl-diketopyrrolo[3,2-b]pyrrole (isoDPPT) as an Acceptor Building Block for Organic Opto-Electronics. *Macromolecules*, **2013**, 46, 3895-3906 5.5 57
- 148 Low-bandgap donor-acceptor polymers for photodetectors with photoresponsivity from 300 nm to 1600 nm. *Journal of Materials Chemistry C*, **2017**, 5, 159-165 7.1 56
- 147 Catalytic Cross-Dehydrocoupling Polymerization of 1,4-Bis(dimethylsilyl)benzene with Water. A New Approach to Poly[(oxydimethylsilylene)(1,4-phenylene)(dimethylsilylene)]. *Macromolecules*, **1999**, 32, 3540-3542 5.5 55
- 146 Direct heteroarylation polymerization: guidelines for defect-free conjugated polymers. *Chemical Science*, **2017**, 8, 3913-3925 9.4 52
- 145 Ionically cross-linked PEDOT:PSS as a multi-functional conductive binder for high-performance lithium-sulfur batteries. *Sustainable Energy and Fuels*, **2018**, 2, 1574-1581 5.8 50
- 144 Influence of side chain length and bifurcation point on the crystalline structure and charge transport of diketopyrrolopyrrole-quaterthiophene copolymers (PDQTs). *Journal of Materials Chemistry C*, **2014**, 2, 2183-2190 7.1 49
- 143 Diketopyrrolopyrrole-based semiconducting polymer bearing thermocleavable side chains. *Journal of Materials Chemistry*, **2012**, 22, 18950 46
- 142 Facile Functionalization of Poly(3-alkylthiophene)s via Electrophilic Substitution. *Macromolecules*, **2001**, 34, 141-143 5.5 46

141	Novel High-Performance Liquid-Crystalline Organic Semiconductors for Thin-Film Transistors. <i>Chemistry of Materials</i> , 2009 , 21, 2727-2732	9.6	45
140	Polymer-Based Solid Electrolytes: Material Selection, Design, and Application. <i>Advanced Functional Materials</i> , 2021 , 31, 2007598	15.6	45
139	Synthesis and Polymerization of an Optically Active Bifunctional Disiloxane. 1. Preparation of Optically Active and Highly Stereoregular Poly[{{(1S)-1-(1-naphthyl)-1-phenyl-3,3-dimethyldisiloxane-1,3-diyl}ethylene}] by Polyaddition via Hydrosilylation. <i>Macromolecules</i> , 1998 , 31, 5592-5597	5.5	44
138	Dipyrrolo[2,3-b:2'3'Re]pyrazine-2,6(1H,5H)-dione based conjugated polymers for ambipolar organic thin-film transistors. <i>Chemical Communications</i> , 2013 , 49, 484-6	5.8	43
137	Effect of blend layer morphology on performance of ZnPc:C60-based photovoltaic cells. <i>Applied Physics Letters</i> , 2010 , 97, 133304	3.4	42
136	Performance improvement for solution-processed high-mobility ZnO thin-film transistors. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 125102	3	42
135	Structural Analysis of Poly(3-hexylthiophene) Prepared via Direct Heteroarylation Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 1493-1500	2.6	42
134	New Fluorinated Dithienyldiketopyrrolopyrrole Monomers and Polymers for Organic Electronics. <i>Macromolecules</i> , 2017 , 50, 7080-7090	5.5	41
133	(3E,7E)-3,7-Bis(2-oxoindolin-3-ylidene)-5,7-dihydropyrrolo[2,3-f]indole-2,6(1H,3H)-dione based polymers for ambipolar organic thin film transistors. <i>Chemical Communications</i> , 2015 , 51, 8093-6	5.8	40
132	Polyethylenimine (PEI) As an Effective Dopant To Conveniently Convert Ambipolar and p-Type Polymers into Unipolar n-Type Polymers. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18662-71	9.5	40
131	Poly(2,5-bis(2-octyldodecyl)-3,6-di(furan-2-yl)-2,5-dihydro-pyrrolo[3,4-c]pyrrole-1,4-dione-co-thieno[3,2-b]thiophene): a high performance polymer semiconductor for both organic thin film transistors and organic photovoltaics. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 7162-9	3.6	40
130	Is a polymer semiconductor having a "perfect" regular structure desirable for organic thin film transistors?. <i>Chemical Science</i> , 2015 , 6, 3225-3235	9.4	39
129	Synthesis and Polymerization of an Optically Active Bifunctional Disiloxane. 2. Preparation of Optically Active (S)-2-(1-Naphthyl)-2-phenyl-5,5-dimethyl-1-oxa-2,5-disilacyclopentane and Its Ring-Opening Polymerization. <i>Macromolecules</i> , 1999 , 32, 548-553	5.5	38
128	Enhanced electron mobility in crystalline thionated naphthalene diimides. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 11505-11515	7.1	37
127	Diketopyrrolopyrrole dyes: Structure/reactivity/efficiency relationship in photoinitiating systems upon visible lights. <i>Polymer</i> , 2014 , 55, 746-751	3.9	37
126	Solution processable poly(2,5-dialkyl-2,5-dihydro-3,6-di-2-thienyl-pyrrolo[3,4-c]pyrrole-1,4-dione) for ambipolar organic thin film transistors. <i>Organic Electronics</i> , 2012 , 13, 1606-1613	3.5	37
125	Asymmetric Synthesis of Optically Active Poly(silyl ether)s Having Reactive SiH Groups by Stereoselective Cross-Dehydrocoupling Polymerization of Bis(silane)s with Diols. <i>Macromolecules</i> , 2000 , 33, 5311-5314	5.5	37
124	Effect of Acceptor Unit Length and Planarity on the Optoelectronic Properties of IsoindigoThiophene Donor-Acceptor Polymers. <i>Chemistry of Materials</i> , 2018 , 30, 4864-4873	9.6	35

123	Synthesis and thin-film transistor performance of benzodipyrrolinone and bithiophene donor-acceptor copolymers. <i>Journal of Materials Chemistry</i> , 2012 , 22, 22282		35
122	Comprehensive evaluation of safety performance and failure mechanism analysis for lithium sulfur pouch cells. <i>Energy Storage Materials</i> , 2020 , 30, 87-97	19.4	33
121	Recent Progress in High Mobility Polymer Semiconductors for Organic Thin Film Transistors. <i>Reviews in Advanced Sciences and Engineering</i> , 2012 , 1, 200-224		33
120	Control of Cu ₂ O Film Morphology Using Potentiostatic Pulsed Electrodeposition. <i>Electrochimica Acta</i> , 2016 , 213, 225-235	6.7	32
119	Panchromatic photoinitiators for radical, cationic and thiol-ene polymerization reactions: A search in the diketopyrrolopyrrole or indigo dye series. <i>Materials Today Communications</i> , 2015 , 4, 101-108	2.5	32
118	A novel epoxy resin-based cathode binder for low cost, long cycling life, and high-energy lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14315-14323	13	32
117	(3E,8E)-3,8-Bis(2-oxoindolin-3-ylidene)naphtho-[1,2-b:5,6-b']difuran-2,7(3H,8H)-dione (INDF) based polymers for organic thin-film transistors with highly balanced ambipolar charge transport characteristics. <i>Chemical Communications</i> , 2015 , 51, 13515-8	5.8	31
116	Pyrazino[2,3-g]quinoxaline-2,7-dione based π -conjugated polymers with affinity towards acids and semiconductor performance in organic thin film transistors. <i>RSC Advances</i> , 2016 , 6, 22043-22051	3.7	31
115	Organic photovoltaics with thick active layers (~800nm) using a high mobility polymer donor. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 114, 71-81	6.4	31
114	Unique Polymorphism of Oligothiophenes. <i>Advanced Materials</i> , 2007 , 19, 3240-3243	24	30
113	Low-threshold amplified spontaneous emission and laser emission in a polyfluorene derivative. <i>Applied Physics Letters</i> , 2004 , 84, 2727-2729	3.4	29
112	Synthesis and properties of indigo based donor-acceptor conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 4289-4296	7.1	28
111	Pseudocapacitive Sodium Storage by Ferroelectric Sn P S with Layered Nanostructure. <i>Small</i> , 2018 , 14, e1704367	11	27
110	Dramatically enhanced molecular ordering and charge transport of a DPP-based polymer assisted by oligomers through antiplasticization. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4423	7.1	27
109	Naphthalene diimide-diketopyrrolopyrrole copolymers as non-fullerene acceptors for use in bulk-heterojunction all-polymer UV-NIR photodetectors. <i>Polymer Chemistry</i> , 2017 , 8, 528-536	4.9	27
108	A Study of the Degree of Fluorination in Regioregular Poly(3-hexylthiophene). <i>Macromolecules</i> , 2017 , 50, 162-174	5.5	26
107	An indigo-based polymer bearing thermocleavable side chains for n-type organic thin film transistors. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5226-5232	7.1	26
106	Dramatically different charge transport properties of bithienyl diketopyrrolopyrrole-bithiazole copolymers synthesized via two direct (hetero)arylation polymerization routes. <i>Polymer Chemistry</i> , 2016 , 7, 4515-4524	4.9	26

105	Influences of alcoholic solvents on spray pyrolysis deposition of TiO ₂ blocking layer films for solid-state dye-sensitized solar cells. <i>Journal of Solid State Chemistry</i> , 2013 , 198, 197-202	3.3	26
104	Multi-shell tin phosphide nanospheres as high performance anode material for a sodium ion battery. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 1944-1949	5.8	25
103	Effect of nanoparticle stabilizing ligands and ligand-capped gold nanoparticles in polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 96, 302-306	6.4	23
102	Control of Conjugation Length and Enhancement of Fluorescence Efficiency of Poly(p-phenylenevinylene)s via Post-halogenation. <i>Chemistry of Materials</i> , 2002 , 14, 1424-1429	9.6	23
101	A small bandgap (3E,7E)-3,7-bis(2-oxoindolin-3-ylidene)benzo[1,2-b:4,5-b']difuran-2,6(3H,7H)-dione (IBDF) based polymer semiconductor for near-infrared organic phototransistors. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 12163-12171	7.1	22
100	Influences of deposition and post-annealing temperatures on properties of TiO ₂ blocking layer prepared by spray pyrolysis for solid-state dye-sensitized solar cells. <i>Thin Solid Films</i> , 2011 , 519, 7850-7854	2.2	21
99	Control of molecular weight, stereochemistry and higher order structure of siloxane-containing polymers and their functional design. <i>Macromolecular Research</i> , 2004 , 12, 156-171	1.9	21
98	Three-Dimensional Optoelectronic Model for Organic Bulk Heterojunction Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2011 , 1, 84-92	3.7	20
97	Instantaneous carbonization of an acetylenic polymer into highly conductive graphene-like carbon and its application in lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7015-7025	13	19
96	Thiophene-S,S-dioxidized indophenine (IDTO) based donor-acceptor polymers for n-channel organic thin film transistors. <i>RSC Advances</i> , 2016 , 6, 34849-34854	3.7	19
95	A new n-type polymer based on N,N'-dialkoxynaphthalenediimide (NDIO) for organic thin-film transistors and all-polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1349-1352	7.1	18
94	Air and temperature sensitivity of n-type polymer materials to meet and exceed the standard of N2200. <i>Scientific Reports</i> , 2020 , 10, 4014	4.9	17
93	Synthesis of an isomerically pure thienoquinoid for unipolar n-type conjugated polymers: effect of backbone curvature on charge transport performance. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 10352-10359	7.1	17
92	Branched alkyl ester side chains rendering large polycyclic (3E,7E)-3,7-bis(2-oxoindolin-3-ylidene)benzo[1,2-b:4,5-b']difuran-2,6(3H,7H)-dione (IBDF) based donor-acceptor polymers solution-processability for organic thin film transistors. <i>Polymer Chemistry</i> , 2015 , 6, 6693-6697	4.9	16
91	Cyano-disubstituted dipyrrolopyrazinedione (CNPzDP) small molecules for solution processed n-channel organic thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 5624	7.1	16
90	Stereoselective Feature in Anionic Ring-Opening Polymerization of 2-(1-Naphthyl)-2-phenyl-5,5-dimethyl-1-oxa-2,5-disilacyclopentane and Influence of Tacticity on the Thermal Property of Polymers. <i>Macromolecules</i> , 2000 , 33, 1560-1564	5.5	16
89	Wide bandgap polymer donors for high efficiency non-fullerene acceptor based organic solar cells. <i>Materials Advances</i> , 2021 , 2, 115-145	3.3	16
88	Impact of N-substitution of a carbazole unit on molecular packing and charge transport of DPP-carbazole copolymers. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 1683	7.1	15

87	3,3R(Ethane-1,2-diylidene)bis(indolin-2-one) based conjugated polymers for organic thin film transistors. <i>Chemical Communications</i> , 2014 , 50, 6509-12	5.8	15
86	Effect of MoO ₃ as an interlayer on the performance of organic solar cells based on ZnPc and C60. <i>Synthetic Metals</i> , 2012 , 161, 2748-2752	3.6	15
85	Side-chain engineering in naphthalenediimide-based n-type polymers for high-performance all-polymer photodetectors. <i>Polymer Chemistry</i> , 2018 , 9, 327-334	4.9	15
84	Side-chain engineering for fine-tuning of molecular packing and nanoscale blend morphology in polymer photodetectors. <i>Polymer Chemistry</i> , 2017 , 8, 2055-2062	4.9	14
83	Poly(3-alkylthiophene)- block-poly(3-alkylselenophene)s: Conjugated Diblock Co-polymers with Atypical Self-Assembly Behavior. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 7174-7183	9.5	14
82	(3Z,3'Z)-3,3'-(Hydrazine-1,2-diylidene)bis(indolin-2-one) as a new electron-acceptor building block for donor-acceptor conjugated polymers for organic thin film transistors. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4464-4470	7.1	14
81	Performance Comparisons of Polymer Semiconductors Synthesized by Direct (Hetero)Arylation Polymerization (DHAP) and Conventional Methods for Organic Thin Film Transistors and Organic Photovoltaics. <i>Molecules</i> , 2018 , 23,	4.8	14
80	Approaches to polymers containing a silicon-oxygen bond in the main chain. <i>Designed Monomers and Polymers</i> , 2000 , 3, 399-419	3.1	14
79	Synthesis of Optically Active and Highly Stereoregular Poly[oxy{(S)-(1-naphthyl)-phenylsilylene}ethylene(dimethylsilylene)-ethylene{(S)-(1-naphthyl)phenylsilylene)-oxy]dimethyl by Polycondensation Reaction. <i>Macromolecules</i> , 2000 , 33, 3940-3943	9.9	14
78	Electronic properties of isoindigo-based conjugated polymers bearing urea-containing and linear alkyl side chains. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12070-12078	7.1	14
77	Effect of compositions of acceptor polymers on dark current and photocurrent of all-polymer bulk-heterojunction photodetectors. <i>Polymer</i> , 2017 , 114, 173-179	3.9	13
76	Performance of CoTiO ₃ as an oxide perovskite material for the light scattering layer of dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2019 , 43, 3760-3768	3.6	13
75	Synthesis of Poly(bisindigo) Using a Metal-Free Aldol Polymerization for Thin-Film Transistor Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14265-14271	9.5	13
74	Facile conversion of polymer organic thin film transistors from ambipolar and p-type into unipolar n-type using polyethyleneimine (PEI)-modified electrodes. <i>Organic Electronics</i> , 2014 , 15, 3787-3794	3.5	13
73	Influences of using a high mobility donor polymer on solar cell performance. <i>Organic Electronics</i> , 2013 , 14, 3484-3492	3.5	13
72	Conjugated Polymers with Switchable Carrier Polarity. <i>Macromolecules</i> , 2015 , 48, 5587-5595	5.5	12
71	Efficiency enhancement of inverted organic photovoltaic devices with ZnO nanopillars fabricated on FTO glass substrates. <i>Synthetic Metals</i> , 2011 , 161, 2174-2178	3.6	12
70	Tuning Intra and Intermolecular Interactions for Balanced Hole and Electron Transport in Semiconducting Polymers. <i>Chemistry of Materials</i> , 2020 , 32, 7338-7346	9.6	12

69	On the assessment of incorporation of CNT-TiO core-shell structures into nanoparticle TiO photoanodes in dye-sensitized solar cells. <i>Photochemical and Photobiological Sciences</i> , 2019 , 18, 1840-1850	4.2	11
68	Synthesis of zinc oxide nanocrystals by thermal decomposition of Zn-oleate in organic medium. <i>Science in China Series D: Earth Sciences</i> , 2008 , 51, 2075-2079		11
67	3,7-Bis((E)-2-oxoindolin-3-ylidene)-3,7-dihydrobenzo[1,2-b:4,5-b']dithiophene-2,6-dione (IBDT) based polymer with balanced ambipolar charge transport performance. <i>Organic Electronics</i> , 2016 , 35, 41-46	3.5	11
66	A fluorene-fused triphenyldioxazine (FTPDO) based polymer with remarkable thermal stability and significantly enhanced charge transport performance in air. <i>Dyes and Pigments</i> , 2016 , 132, 329-335	4.6	10
65	Thiophene-S,S-dioxidized indophenines as high performance n-type organic semiconductors for thin film transistors. <i>RSC Advances</i> , 2016 , 6, 45410-45418	3.7	10
64	Polymeric Photoinitiators: A New Search toward High Performance Visible Light Photoinitiating Systems. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 2145-2153	2.6	10
63	Design and synthesis of stable indigo polymer semiconductors for organic field-effect transistors with high fluoride sensitivity and selectivity.. <i>RSC Advances</i> , 2019 , 9, 26230-26237	3.7	9
62	Alkyloxime Side Chain Enabled Polythiophene Donors for Efficient Organic Solar Cells. <i>Macromolecules</i> , 2020 , 53, 8796-8808	5.5	9
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