

Christopher McNeill

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.

244
papers

12,951
citations

61
h-index

105
g-index

271
ext. papers

14,276
ext. citations

9.6
avg, IF

6.64
L-index

#	Paper	IF	Citations
244	Atropisomeric Conjugated Diimides: A Class of Thermally Responsive Organic Semiconductors 2022 , 4, 363-369		1
243	Incorporation of Electron-Rich Indacenodithiophene Units into the Backbone of 2,6-Azulene-Based Conjugated Polymers for Proton-Responsive Materials and p-Type Polymeric Semiconductors 2022 , 4, 392-400		4
242	Vinylene Flanked Naphtho[1,2-c:5,6-c']bis[1,2,5]thiadiazole Polymer for Low-Crystallinity Ambipolar Transistors. <i>Macromolecules</i> , 2022 , 55, 331-337	5.5	0
241	X-ray diffraction of photovoltaic perovskites: Principles and applications. <i>Applied Physics Reviews</i> , 2022 , 9, 021310	17.3	4
240	Impact of pendent naphthalenedimide content in random double-cable conjugated polymers on their microstructures and photovoltaic performance. <i>Polymer</i> , 2022 , 253, 125020	3.9	
239	A NIST facility for Resonant Soft X-ray Scattering measuring nano-scale soft matter structure at NSLS-II. <i>Journal of Physics Condensed Matter</i> , 2021 ,	1.8	2
238	Charge transport physics of a unique class of rigid-rod conjugated polymers with fused-ring conjugated units linked by double carbon-carbon bonds. <i>Science Advances</i> , 2021 , 7,	14.3	7
237	Anisotropic Resonant X-ray Diffraction of a Conjugated Polymer at the Sulfur K-Edge. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 3762-3766	6.4	2
236	The effect of the dielectric end groups on the positive bias stress stability of N2200 organic field effect transistors. <i>APL Materials</i> , 2021 , 9, 041113	5.7	5
235	Origin of vertical slab orientation in blade-coated layered hybrid perovskite films revealed with in-situ synchrotron X-ray scattering. <i>Nano Energy</i> , 2021 , 83, 105818	17.1	4
234	Acene Ring Size Optimization in Fused Lactam Polymers Enabling High n-Type Organic Thermoelectric Performance. <i>Journal of the American Chemical Society</i> , 2021 , 143, 260-268	16.4	30
233	Detection of Halomethanes Using Cesium Lead Halide Perovskite Nanocrystals. <i>ACS Nano</i> , 2021 , 15, 14546-14648	16.4	48
232	Resonant Tender X-ray Diffraction for Disclosing the Molecular Packing of Paracrystalline Conjugated Polymer Films. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1409-1415	16.4	8
231	Influence of synthetic pathway, molecular weight and side chains on properties of indacenodithiophene-benzothiadiazole copolymers made by direct arylation polycondensation. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 4597-4606	7.1	1
230	Rational Design of Donor-Acceptor Based Semiconducting Copolymers with High Dielectric Constants. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 6886-6896	3.8	4
229	Hydrogen Bonds Control Single-Chain Conformation, Crystallinity, and Electron Transport in Isoelectronic Diketopyrrolopyrrole Copolymers. <i>Chemistry of Materials</i> , 2021 , 33, 2635-2645	9.6	7
228	Design of experiment optimization of aligned polymer thermoelectrics doped by ion-exchange. <i>Applied Physics Letters</i> , 2021 , 119, 111903	3.4	3

227	Revealing the Side-Chain-Dependent Ordering Transition of Highly Crystalline Double-Cable Conjugated Polymers. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25499-25507	16.4	6
226	High performance as-cast P3HT:PCBM devices: understanding the role of molecular weight in high regioregularity P3HT. <i>Materials Advances</i> , 2021 , 2, 2045-2054	3.3	5
225	Structure engineering of hierarchical layered perovskite interface for efficient and stable wide bandgap photovoltaics. <i>Nano Energy</i> , 2020 , 75, 104917	17.1	19
224	Direct assessment of structural order and evidence for stacking faults in layered hybrid perovskite films from X-ray scattering measurements. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 12790-12798	13	6
223	Crystallisation control of drop-cast quasi-2D/3D perovskite layers for efficient solar cells. <i>Communications Materials</i> , 2020 , 1,	6	39
222	Lyotropic Liquid Crystalline Mesophase Governs Interfacial Molecular Orientation of Conjugated Polymer Thin Films. <i>Chemistry of Materials</i> , 2020 , 32, 6043-6054	9.6	7
221	High-Performance All-Polymer Solar Cells Enabled by n-Type Polymers with an Ultranarrow Bandgap Down to 1.28 eV. <i>Advanced Materials</i> , 2020 , 32, e2001476	24	56
220	Facile Deposition of Mesoporous PbI ₂ through DMF:DMSO Solvent Engineering for Sequentially Deposited Metal Halide Perovskites. <i>ACS Applied Energy Materials</i> , 2020 , 3, 3358-3368	6.1	8
219	Synthesis and Aggregation Behavior of a Glycolated Naphthalene Diimide Bithiophene Copolymer for Application in Low-Level n-Doped Organic Thermoelectrics. <i>Macromolecules</i> , 2020 , 53, 5158-5168	5.5	15
218	Crucial Role of Fluorine in Fully Alkylated Ladder-Type Carbazole-Based Nonfullerene Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9555-9562	9.5	20
217	Alkali Cation Doping for Improving the Structural Stability of 2D Perovskite in 3D/2D PSCs. <i>Nano Letters</i> , 2020 , 20, 1240-1251	11.5	47
216	Efficient and Mechanically Robust Ultraflexible Organic Solar Cells Based on Mixed Acceptors. <i>Joule</i> , 2020 , 4, 128-141	27.8	58
215	Raman Spectroscopy of Formamidinium-Based Lead Halide Perovskite Single Crystals. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 2265-2272	3.8	19
214	Role of Molecular and Interchain Ordering in the Formation of a Hole-Transporting Layer in Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 3806-3814	9.5	6
213	Boosted photovoltaic performance of indenothiophene-based molecular acceptor via fusing a thiophene. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 630-636	7.1	5
212	A structural study of p-type AD _n oligothiophenes: effects of regioregular alkyl sidechains on annealing processes and photovoltaic performances. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 567-580	7.1	3
211	A Structurally Simple but High-Performing Donor-Acceptor Polymer for Field-Effect Transistor Applications. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000490	6.4	4
210	Resolving Different Physical Origins toward Crystallite Imperfection in Semiconducting Polymers: Crystallite Size vs Paracrystallinity. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 10529-10538	3.4	5

209	Polymer Solar Cells: High-Performance All-Polymer Solar Cells Enabled by n-Type Polymers with an Ultranarrow Bandgap Down to 1.28 eV (Adv. Mater. 30/2020). <i>Advanced Materials</i> , 2020 , 32, 2070226	24	1
208	Correlation of Nanomorphology with Structural and Spectroscopic Studies in Organic Solar Cells. <i>ACS Applied Nano Materials</i> , 2020 , 3, 11080-11089	5.6	3
207	Origin of Open-Circuit Voltage Turnover in Organic Solar Cells at Low Temperature. <i>Solar Rrl</i> , 2020 , 4, 2000375	7.1	4
206	Radical Anion Yield, Stability, and Electrical Conductivity of Naphthalene Diimide Copolymers n-Doped with Tertiary Amines. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 1954-1963	4.3	6
205	Effect of Backbone Sequence of a Naphthalene Diimide-Based Copolymer on Performance in n-Type Organic Thin-Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35185-35192	9.5	11
204	Investigation of the effect of microstructural changes on thermal transport in semicrystalline polymer semiconductors. <i>APL Materials</i> , 2019 , 7, 081118	5.7	1
203	Incorporation of Ebutyrolactone (GBL) dramatically lowers the phase transition temperature of formamidinium-based metal halide perovskites. <i>Chemical Communications</i> , 2019 , 55, 11743-11746	5.8	5
202	Oriented Attachment as the Mechanism for Microstructure Evolution in Chloride-Derived Hybrid Perovskite Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 39930-39939	9.5	20
201	Enantiopure versus racemic naphthalene diimide-based n-type organic semiconductors: effect on charge transport. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2659-2665	7.1	11
200	Detecting the Onset of Molecular Reorganization in Conjugated Polymer Thin Films Using an Easily Accessible Optical Method. <i>Macromolecules</i> , 2019 , 52, 4646-4654	5.5	7
199	Remarkable wettability of highly dispersive rGO ink on multiple substrates independent of deposition techniques. <i>FlatChem</i> , 2019 , 16, 100110	5.1	2
198	Polaron spin dynamics in high-mobility polymeric semiconductors. <i>Nature Physics</i> , 2019 , 15, 814-822	16.2	27
197	Controlling intermolecular redox-doping of naphthalene diimides. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 4466-4474	7.1	12
196	9,9'-Bifluorenylidene-diketopyrrolopyrrole donors for non-polymeric solution processed solar cells. <i>Synthetic Metals</i> , 2019 , 250, 79-87	3.6	
195	Cholesteric Aggregation at the Quinoidal-to-Diradical Border Enabled Stable n-Doped Conductor. <i>CheM</i> , 2019 , 5, 964-976	16.2	48
194	Effect of Thionation on the Performance of PNDIT2-Based Polymer Solar Cells. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 12062-12072	3.8	2
193	From Homochiral Assembly to Heterochiral Assembly: A Leap in Charge Transport Properties of Binaphthol-Based Axially Chiral Materials. <i>Langmuir</i> , 2019 , 35, 6188-6195	4	4
192	Understanding the effect of thionation on naphthalene diimide using first-principles predictions of near-edge x-ray absorption fine structure spectra. <i>Journal of Chemical Physics</i> , 2019 , 150, 104302	3.9	3

191	Solubilizing core modifications on high-performing benzodithiophene-based molecular semiconductors and their influences on film nanostructure and photovoltaic performance. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6312-6326	13	13
190	Fused Cyclopentadithienothiophene Acceptor Enables Ultrahigh Short-Circuit Current and High Efficiency >11% in As-Cast Organic Solar Cells. <i>Advanced Functional Materials</i> , 2019 , 29, 1904956	15.6	18
189	Influence of alkyl side-chain type and length on the thin film microstructure and OFET performance of naphthalene diimide-based organic semiconductors. <i>Organic Electronics</i> , 2019 , 75, 105378	3.5	19
188	Microstructural control suppresses thermal activation of electron transport at room temperature in polymer transistors. <i>Nature Communications</i> , 2019 , 10, 3365	17.4	27
187	Residual solvent additive enables the nanostructuring of PTB7-Th:PC71BM solar cells via soft lithography. <i>AIP Advances</i> , 2019 , 9, 065024	1.5	1
186	Light induced degradation in mixed-halide perovskites. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 9326-9334	3.4	37
185	Selenium-Substituted Diketopyrrolopyrrole Polymer for High-Performance p-Type Organic Thermoelectric Materials. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18994-18999	16.4	75
184	A Family of Heterocyclic Naphthalene Diimide (NDI) Analogues: Comparing Parent Isoquinoline Diimides and Phthalazine Diimides with NDI. <i>ChemPlusChem</i> , 2019 , 84, 1638-1642	2.8	4
183	Selenium-Substituted Diketopyrrolopyrrole Polymer for High-Performance p-Type Organic Thermoelectric Materials. <i>Angewandte Chemie</i> , 2019 , 131, 19170-19175	3.6	11
182	Influence of side-chain length and geometry on the thermal expansion behavior and polymorphism of naphthalene diimide-based thin films. <i>Physical Review Materials</i> , 2019 , 3,	3.2	6
181	Titelbild: Selenium-Substituted Diketopyrrolopyrrole Polymer for High-Performance p-Type Organic Thermoelectric Materials (Angew. Chem. 52/2019). <i>Angewandte Chemie</i> , 2019 , 131, 18893-18893 ⁶	3.6	6
180	Tuning Orientational Order of Highly Aggregating P(NDI2OD-T2) by Solvent Vapor Annealing and Blade Coating. <i>Macromolecules</i> , 2019 , 52, 43-54	5.5	31
179	Self-Assembled 2D Perovskite Layers for Efficient Printable Solar Cells. <i>Advanced Energy Materials</i> , 2019 , 9, 1803258	21.8	111
178	Nature and Extent of Solution Aggregation Determines the Performance of P(NDI2OD-T2) Thin-Film Transistors. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700559	6.4	39
177	Blade Coating Aligned, High-Performance, Semiconducting-Polymer Transistors. <i>Chemistry of Materials</i> , 2018 , 30, 1924-1936	9.6	43
176	Tuning the Molecular Weight of the Electron Accepting Polymer in All-Polymer Solar Cells: Impact on Morphology and Charge Generation. <i>Advanced Functional Materials</i> , 2018 , 28, 1707185	15.6	51
175	Diffraction X-ray Waveguiding Reveals Orthogonal Crystalline Stratification in Conjugated Polymer Thin Films. <i>Macromolecules</i> , 2018 , 51, 2979-2987	5.5	21
174	Control of Geminate Recombination by the Material Composition and Processing Conditions in Novel Polymer: Nonfullerene Acceptor Photovoltaic Devices. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 1253-1260	2.8	9

173	Diketopyrrolopyrrole based organic semiconductors with different numbers of thiophene units: symmetry tuning effect on electronic devices. <i>New Journal of Chemistry</i> , 2018 , 42, 4017-4028	3.6	18
172	Regioregular Polymer Analogous Thionation of Naphthalene Diimide-Bithiophene Copolymers. <i>Macromolecules</i> , 2018 , 51, 984-991	5.5	10
171	Highly Exfoliated MWNT-rGO Ink-Wrapped Polyurethane Foam for Piezoresistive Pressure Sensor Applications. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 5185-5195	9.5	141
170	An Alkylated Indacenodithieno[3,2-b]thiophene-Based Nonfullerene Acceptor with High Crystallinity Exhibiting Single Junction Solar Cell Efficiencies Greater than 13% with Low Voltage Losses. <i>Advanced Materials</i> , 2018 , 30, 1705209	24	399
169	On the manifestation of electron-electron interactions in the thermoelectric response of semicrystalline conjugated polymers with low energetic disorder. <i>Communications Physics</i> , 2018 , 1,	5.4	18
168	Conjugated Polyelectrolyte Blend with Polyethyleneimine Ethoxylated for Thickness-Insensitive Electron Injection Layers in Organic Light-Emitting Devices. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17318-17326	9.5	18
167	Design of New Isoindigo-Based Copolymer for Ambipolar Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 13774-13782	9.5	17
166	Highly Efficient and Balanced Charge Transport in Thieno[3,4-c]pyrrole-4,6-dione Copolymers: Dramatic Influence of Thieno[3,2-b]thiophene Comonomer on Alignment and Charge Transport. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 7565-7574	3.8	9
165	Bottom-up growth of n-type monolayer molecular crystals on polymeric substrate for optoelectronic device applications. <i>Nature Communications</i> , 2018 , 9, 2933	17.4	88
164	High Mobility Indium Oxide Electron Transport Layer for an Efficient Charge Extraction and Optimized Nanomorphology in Organic Photovoltaics. <i>Nano Letters</i> , 2018 , 18, 5805-5811	11.5	22
163	N-Alkyl substituted 1H-benzimidazoles as improved n-type dopants for a naphthalene-diimide based copolymer. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15294-15302	13	20
162	Drastic Improvement of Air Stability in an n-Type Doped Naphthalene-Diimide Polymer by Thionation. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4626-4634	6.1	26
161	Quinoid-Resonant Conducting Polymers Achieve High Electrical Conductivity over 4000 S cm for Thermoelectrics. <i>Advanced Science</i> , 2018 , 5, 1800947	13.6	14
160	Faster Resonance Energy Transfer Drives Higher Efficiency in Ternary Blend Organic Solar Cells. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4874-4882	6.1	27
159	Thionation of naphthalene diimide molecules: Thin-film microstructure and transistor performance. <i>Organic Electronics</i> , 2018 , 53, 287-295	3.5	12
158	Incorporation of 2,6-Connected Azulene Units into the Backbone of Conjugated Polymers: Towards High-Performance Organic Optoelectronic Materials. <i>Angewandte Chemie</i> , 2018 , 130, 1336-1340	3.6	26
157	Incorporation of 2,6-Connected Azulene Units into the Backbone of Conjugated Polymers: Towards High-Performance Organic Optoelectronic Materials. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1322-1326	16.4	111
156	Impact of Acceptor Fluorination on the Performance of All-Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 955-969	9.5	26

155	Effect of regioregularity on recombination dynamics in inverted bulk heterojunction organic solar cells. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 015501	3	10
154	Negative Correlation between Intermolecular vs Intramolecular Disorder in Bulk-Heterojunction Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 44576-44582	9.5	14
153	Kinetics of thermally activated triplet fusion as a function of polymer chain packing in boosting the efficiency of organic light emitting diodes. <i>Npj Flexible Electronics</i> , 2018 , 2,	10.7	12
152	Oriented Quasi-2D Perovskites for High Performance Optoelectronic Devices. <i>Advanced Materials</i> , 2018 , 30, e1804771	24	195
151	Rapid dip-dry MWNT-rGO ink wrapped polyester elastic band (PEB) for piezoresistive strain sensor applications. <i>Applied Physics Letters</i> , 2018 , 113, 084101	3.4	4
150	An optical fibre-based sensor for the detection of gaseous ammonia with methylammonium lead halide perovskite. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 6988-6995	7.1	39
149	Application of an A-A'-A-Containing Acceptor Polymer in Sequentially Deposited All-Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 24046-24054	9.5	12
148	Insight into thin-film stacking modes of expanded quinoidal molecules on charge transport property via side-chain engineering. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1935-1943	7.1	20
147	Unconventional Molecular Weight Dependence of Charge Transport in the High Mobility n-type Semiconducting Polymer P(NDI2OD-T2). <i>Advanced Functional Materials</i> , 2017 , 27, 1604744	15.6	36
146	Influence of Fullerene Acceptor on the Performance, Microstructure, and Photophysics of Low Bandgap Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1602197	21.8	34
145	9-Fluorenone and 9,10-anthraquinone potential fused aromatic building blocks to synthesize electron acceptors for organic solar cells. <i>New Journal of Chemistry</i> , 2017 , 41, 2899-2909	3.6	17
144	Understanding charge transport in lead iodide perovskite thin-film field-effect transistors. <i>Science Advances</i> , 2017 , 3, e1601935	14.3	284
143	Critical Role of Molecular Symmetry for Charge Transport Properties: A Paradigm Learned from Quinoidal Bithieno[3,4-b]thiophenes. <i>Chemistry of Materials</i> , 2017 , 29, 4999-5008	9.6	21
142	Naphthalene diimide-based small molecule acceptors for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12266-12277	13	36
141	Benzoyl side-chains push the open-circuit voltage of PCDTBT/PCBM solar cells beyond 1V. <i>Organic Electronics</i> , 2017 , 49, 142-151	3.5	4
140	Alternating 5,5-Dimethylcyclopentadiene and Diketopyrrolopyrrole Copolymer Prepared at Room Temperature for High Performance Organic Thin-Film Transistors. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8094-8097	16.4	39
139	Alkylated Selenophene-Based Ladder-Type Monomers via a Facile Route for High-Performance Thin-Film Transistor Applications. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8552-8561	16.4	80
138	Critical Role of Pendant Group Substitution on the Performance of Efficient All-Polymer Solar Cells. <i>Chemistry of Materials</i> , 2017 , 29, 804-816	9.6	38

137	Isolating and quantifying the impact of domain purity on the performance of bulk heterojunction solar cells. <i>Energy and Environmental Science</i> , 2017 , 10, 1843-1853	35.4	27
136	Dithiopheneindeno[1,2-b]fluorene (TIF) Semiconducting Polymers with Very High Mobility in Field-Effect Transistors. <i>Advanced Materials</i> , 2017 , 29, 1702523	24	61
135	Interfacial disorder in efficient polymer solar cells: the impact of donor molecular structure and solvent additives. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 24749-24757	13	48
134	Graphene-MWNTs composite coatings with enhanced electrical conductivity. <i>FlatChem</i> , 2017 , 4, 33-41	5.1	12
133	Morphological and Device Evaluation of an Amphiphilic Block Copolymer for Organic Photovoltaic Applications. <i>Macromolecules</i> , 2017 , 50, 4942-4951	5.5	18
132	Fluorination in thieno[3,4-c]pyrrole-4,6-dione copolymers leading to electron transport, high crystallinity and end-on alignment. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7527-7534	7.1	14
131	Influence of fluorination on the microstructure and performance of diketopyrrolopyrrole-based polymer solar cells. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017 , 55, 49-59	2.6	7
130	Amorphous hole-transporting layer in slot-die coated perovskite solar cells. <i>Nano Energy</i> , 2017 , 31, 210-217	17.1	121
129	Interfacial Characteristics of Efficient Bulk Heterojunction Solar Cells Fabricated on MoO _x Anode Interlayers. <i>Advanced Materials</i> , 2016 , 28, 3944-51	24	20
128	Control of Molecular Orientation in Polydiketopyrrolopyrrole Copolymers via Diffusive Noncovalent Interactions. <i>Chemistry of Materials</i> , 2016 , 28, 7088-7097	9.6	38
127	Coulomb Enhanced Charge Transport in Semicrystalline Polymer Semiconductors. <i>Advanced Functional Materials</i> , 2016 , 26, 8011-8022	15.6	20
126	Pursuing High-Mobility n-Type Organic Semiconductors by Combination of "Molecule-Framework" and "Side-Chain" Engineering. <i>Advanced Materials</i> , 2016 , 28, 8456-8462	24	78
125	Correlation between Photovoltaic Performance and Interchain Ordering Induced Delocalization of Electronics States in Conjugated Polymer Blends. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 20243-20250	9.5	31
124	Vinylene-Linked Oligothiophene-Difluorobenzothiadiazole Copolymer for Transistor Applications. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 31154-31165	9.5	13
123	Efficient Naphthalenediimide-Based Hole Semiconducting Polymer with Vinylene Linkers between Donor and Acceptor Units. <i>Chemistry of Materials</i> , 2016 , 28, 8580-8590	9.6	41
122	Effects of PNDIT2 end groups on aggregation, thin film structure, alignment and electron transport in field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 10371-10380	7.1	35
121	A Highly Sensitive Diketopyrrolopyrrole-Based Ambipolar Transistor for Selective Detection and Discrimination of Xylene Isomers. <i>Advanced Materials</i> , 2016 , 28, 4012-8	24	112
120	Decoupling order and conductivity in doped conducting polymers. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 19397-404	3.6	6

119	NEXAFS spectroscopy of conjugated polymers. <i>European Polymer Journal</i> , 2016 , 81, 532-554	5.2	47
118	EDOT-Diketopyrrolopyrrole copolymers for polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3477-3486	13	16
117	Introduction to the Issue on Organic Nanophotonics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016 , 22, 3-5	3.8	
116	Metal Evaporation-Induced Degradation of Fullerene Acceptors in Polymer/Fullerene Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2247-54	9.5	12
115	Sensors: A Highly Sensitive Diketopyrrolopyrrole-Based Ambipolar Transistor for Selective Detection and Discrimination of Xylene Isomers (Adv. Mater. 21/2016). <i>Advanced Materials</i> , 2016 , 28, 4163	24	
114	Chain-Assisted Charge Transport in Semicrystalline Conjugated Polymers. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 14539-14548	3.8	9
113	The Structural Origin of Electron Injection Enhancements with Fulleropyrrolidine Interlayers. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500852	4.6	9
112	High-Mobility Naphthalene Diimide and Selenophene-Vinylene-Selenophene-Based Conjugated Polymer: n-Channel Organic Field-Effect Transistors and Structure-Property Relationship. <i>Advanced Functional Materials</i> , 2016 , 26, 4984-4997	15.6	66
111	Quick AS NEXAFS Tool (QANT): a program for NEXAFS loading and analysis developed at the Australian Synchrotron. <i>Journal of Synchrotron Radiation</i> , 2016 , 23, 374-80	2.4	89
110	Azido-Functionalized Thiophene as a Versatile Building Block To Cross-Link Low-Bandgap Polymers. <i>Macromolecules</i> , 2016 , 49, 3749-3760	5.5	17
109	High-Mobility Ambipolar Organic Thin-Film Transistor Processed From a Nonchlorinated Solvent. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 24325-30	9.5	22
108	Impact of Fullerene Mixing Behavior on the Microstructure, Photophysics, and Device Performance of Polymer/Fullerene Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 29608-29618	9.5	23
107	Organic Electronics: Pursuing High-Mobility n-Type Organic Semiconductors by Combination of Molecule-Framework and Side-Chain Engineering (Adv. Mater. 38/2016). <i>Advanced Materials</i> , 2016 , 28, 8455-8455	24	
106	Influence of fluorination in extended backbone polydiketopyrrolopyrroles on charge carrier mobility and depth-dependent molecular alignment. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8916-8925	7.1	22
105	A facile approach to alleviate photochemical degradation in high efficiency polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16313-16319	13	36
104	Pronounced Cosolvent Effects in Polymer:Polymer Bulk Heterojunction Solar Cells with Sulfur-Rich Electron-Donating and Imide-Containing Electron-Accepting Polymers. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 15995-6002	9.5	22
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