Hong-Bin Wu

List of Publications by Year in Descending Order

259 papers	20,372 citations	59 h-index	138 g-index
269 ext. papers	21,807 ext. citations	8.7 avg, IF	6.81 L-index

#	Paper	IF	Citations
259	Elucidating the role of the heterojunction interface in the exciton harvest and charge collection of organic solar cells through a planar heterojunction structure. *Journal of Materials Chemistry C*, **2022**, 10, 598-606	7.1	1
258	Toward High-Efficiency Organic Photovoltaics: Perspectives on the Origin and Role of Energetic Disorder.. *Journal of Physical Chemistry Letters*, **2022**, 13, 544-551	6.4	1
257	Impact of charge generation and extraction on photovoltaic performances of spin- and blade-as well as spray-coated organic solar cells. *Organic Electronics*, **2022**, 101, 106423	3.5	0
256	Effect of fluorine atoms on the dielectric constants, optoelectronic properties and charge carrier kinetic characteristics of indacenodithieno[3,2-b]thiophene based non-fullerene acceptors for efficient organic solar cells. *Solar Energy*, **2022**, 236, 206-214	6.8	1
255	A simple-structure small-molecule acceptor enables over 18% efficiency ternary polymer solar cells with a broad composition tolerance. *Chemical Engineering Journal*, **2022**, 445, 136691	14.7	3
254	A Facile Synthesized Polymer Featuring B-N Covalent Bond and Small Singlet-Triplet Gap for High-Performance Organic Solar Cells. *Angewandte Chemie - International Edition*, **2021**, 60, 8813-8817	16.4	32
253	A Facile Synthesized Polymer Featuring B-N Covalent Bond and Small Singlet-Triplet Gap for High-Performance Organic Solar Cells. *Angewandte Chemie*, **2021**, 133, 8895-8899	3.6	7
252	Twisted Alkylthiothien-2-yl Flanks and Extended Conjugation Length Synergistically Enhanced Photovoltaic Performance by Boosting Dielectric Constant and Carriers Kinetic Characteristics. *Macromolecular Chemistry and Physics*, **2021**, 222, 2100030	2.6	4
251	Ternary copolymers containing 3,4-dicyanothiophene for efficient organic solar cells with reduced energy loss. *Journal of Materials Chemistry A*, **2021**, 9, 13522-13530	13	11
250	Stable and low-photovoltage-loss perovskite solar cells by multifunctional passivation. *Nature Photonics*, **2021**, 15, 681-689	33.9	72
249	Fine Tuning Miscibility of Donor/Acceptor through Solid Additives Enables All-Polymer Solar Cells with 15.6% Efficiency. *Solar Rrl*, **2021**, 5, 2100549	7.1	8
248	Improving photovoltaic parameters of all-polymer solar cells through integrating two polymeric donors. *Science China Chemistry*, **2021**, 64, 2010	7.9	6
247	Diminished Trap-Induced Leakage Current at the Organic/Electrode Interface for High-Performance Organic Photodetectors. *ACS Applied Electronic Materials*, **2021**, 3, 4073-4080	4	0
246	Impact of space charge polarization on light-soaking phenomena in non-fullerene organic solar cells. *Journal of Materials Chemistry C*, **2021**, 9, 7214-7221	7.1	
245	High-Sensitivity Visible-Near Infrared Organic Photodetectors Based on Non-Fullerene Acceptors. *ACS Applied Materials & Interfaces*, **2020**, 12, 17769-17775	9.5	25
244	Three-Dimensional Spirothienoquinoline-Based Small Molecules for Organic Photovoltaic and Organic Resistive Memory Applications. *ACS Applied Materials & Interfaces*, **2020**, 12, 11865-11875	9.5	2
243	Balancing charge generation and voltage loss toward efficient nonfullerene organic solar cells. *Materials Today Advances*, **2020**, 5, 100048	7.4	12

242	High-efficiency organic solar cells with low non-radiative recombination loss and low energetic disorder. *Nature Photonics*, **2020**, 14, 300-305	33.9	432
241	Surface passivation via acid vapor etching enables efficient and stable solution-processed CdTe nanocrystal solar cells. *Sustainable Energy and Fuels*, **2020**, 4, 399-406	5.8	7
240	An environmentally friendly natural polymer as a universal interfacial modifier for fullerene and non-fullerene polymer solar cells. *Sustainable Energy and Fuels*, **2020**, 4, 1234-1241	5.8	6
239	Reduced Energy Loss in Non-Fullerene Organic Solar Cells with Isomeric Donor Polymers Containing Thiazole Spacers. *ACS Applied Materials & Interfaces*, **2020**, 12, 753-762	9.5	17
238	Boron(iii) diketonate-based small molecules for functional non-fullerene polymer solar cells and organic resistive memory devices. *Chemical Science*, **2020**, 11, 11601-11612	9.4	8
237	Simultaneously enhancing the dielectric constant, photo-response and deepening HOMO levels of benzo[1,2-b;4,5-b]dithiophene derivatives-based conjugated polymers. *Dyes and Pigments*, **2020**, 177, 108263	4.6	5
236	Efficient polymer solar cells enabled by alkoxy-phenyl side-chain-modified main-chain-twisted small molecular acceptors. *Journal of Materials Chemistry A*, **2020**, 8, 22335-22345	13	6
235	Systematically investigating the influence of inserting alkylthiophene spacers on the aggregation, photo-stability and optoelectronic properties of copolymers from dithieno[2,3-d:2?,3?-d?]benzo[1,2-b:4,5-b?]dithiophene and benzothiadiazole derivatives. *Polymer Chemistry*, **2019**, 10, 972-982	4.9	8
234	Charge carrier transport and nanomorphology control for efficient non-fullerene organic solar cells. *Materials Today Energy*, **2019**, 12, 398-407	7	20
233	Interface Engineering for Both Cathode and Anode Enables Low-Cost Highly Efficient Solution-Processed CdTe Nanocrystal Solar Cells. *Advanced Functional Materials*, **2019**, 29, 1904018	15.6	10
232	Facile Synthesis of Polyaniline/Bismuth Nickelate Nanorod Composites for Sensitive Tartaric Acid Detection. *Surface Engineering and Applied Electrochemistry*, **2019**, 55, 335-341	0.8	2
231	Efficient Interface Engineering Enhances Photovoltaic Performance of a Bulk-Heterojunction PCDTBT:PC71BM System. *IEEE Journal of Photovoltaics*, **2019**, 9, 1258-1265	3.7	5
230	Effect of Cyano Substitution on Conjugated Polymers for Bulk Heterojunction Solar Cells. *ACS Applied Polymer Materials*, **2019**, 1, 3313-3322	4.3	12
229	Molecular Engineering on Bis(benzothiophene-,-dioxide)-Based Large-Band Gap Polymers for Interfacial Modifications in Polymer Solar Cells. *ACS Applied Materials & Interfaces*, **2019**, 11, 45969-45978	9.5	9
228	Manipulate Micrometer Surface and Nanometer Bulk Phase Separation Structures in the Active Layer of Organic Solar Cells via Synergy of Ultrasonic and High-Pressure Gas Spraying. *ACS Applied Materials & Interfaces*, **2019**, 11, 10777-10784	9.5	14
227	Assessing the energy offset at the electron donor/acceptor interface in organic solar cells through radiative efficiency measurements. *Energy and Environmental Science*, **2019**, 12, 3556-3566	35.4	52
226	Energy level modulation of donor–acceptor alternating random conjugated copolymers for achieving high-performance polymer solar cells. *Journal of Materials Chemistry C*, **2019**, 7, 15335-15343	7.1	5
225	Influence of the acceptor crystallinity on the open-circuit voltage in PTB7-Th: ITIC organic solar cells. *Journal of Materials Chemistry C*, **2019**, 7, 14861-14866	7.1	16

224	High-Performance Fullerene-Free Polymer Solar Cells Featuring Efficient Photocurrent Generation from Dual Pathways and Low Nonradiative Recombination Loss. *ACS Energy Letters*, **2019**, 4, 8-16	20.1	49
223	13%-Efficiency Quaternary Polymer Solar Cell with Nonfullerene and Fullerene as Mixed Electron Acceptor Materials. *ACS Applied Materials & Interfaces*, **2019**, 11, 766-773	9.5	15
222	Influences of Copper/Zinc-Loaded Montmorillonite on Growth Performance, Mineral Retention, Intestinal Morphology, Mucosa Antioxidant Capacity, and Cytokine Contents in Weaned Piglets. *Biological Trace Element Research*, **2018**, 185, 356-363	4.5	15
221	Weaning disrupts intestinal antioxidant status, impairs intestinal barrier and mitochondrial function, and triggers mitophagy in piglets. *Journal of Animal Science*, **2018**, 96, 1073-1083	0.7	35
220	High-efficiency solution-processed CdTe nanocrystal solar cells incorporating a novel crosslinkable conjugated polymer as the hole transport layer. *Nano Energy*, **2018**, 46, 150-157	17.1	25
219	Origin of Reduced Open-Circuit Voltage in Highly Efficient Small-Molecule-Based Solar Cells upon Solvent Vapor Annealing. *ACS Applied Materials & Interfaces*, **2018**, 10, 8141-8147	9.5	21
218	Developing High-Performance Electron-Rich Unit End-Capped Wide Bandgap Oligomeric Donor by Weak Electron-Deficient Central Core Strategy. *Solar Rrl*, **2018**, 2, 1700212	7.1	11
217	Synthesis and photovoltaic properties of silafluorene copolymers substituted by carbazole and triphenylamine pendants. *Dyes and Pigments*, **2018**, 149, 133-140	4.6	8
216	Understanding the Enhanced Open-Circuit Voltage of Polymer Solar Cells Based on a Diketopyrrolopyrrole Small Molecular Acceptor. *ACS Applied Materials & Interfaces*, **2018**, 10, 25589-25593	9.5	7
215	Branched 2-Ethylhexyl Substituted Indacenodithieno[3,2-b]Thiophene Core Enabling Wide-Bandgap Small Molecule for Fullerene-Based Organic Solar Cells with 9.15% Efficiency: Effect of Length and Position of Fused Polycyclic Aromatic Units. *Solar Rrl*, **2018**, 2, 1800108	7.1	8
214	Roll-to-Roll Slot-Die-Printed Polymer Solar Cells by Self-Assembly. *ACS Applied Materials & Interfaces*, **2018**, 10, 22485-22494	9.5	22
213	A comparative study of the effects of terminal aromatic moieties in spirobifluorene core-based diketopyrrolopyrrole non-fullerene acceptors. *New Journal of Chemistry*, **2018**, 42, 11854-11861	3.6	5
212	Distinguishing limits on the fill factor in organic solar cells processed from different solvents: Charge recombination kinetics vs. charge extraction. *Organic Electronics*, **2018**, 59, 427-431	3.5	6
211	Nonradiative Energy Losses in Bulk-Heterojunction Organic Photovoltaics. *Physical Review X*, **2018**, 8,	9.1	36
210	An extremely narrow band gap conjugated polymer for photovoltaic devices covering UV to near-infrared light. *Dyes and Pigments*, **2018**, 158, 319-325	4.6	8
209	Nonfullerene Polymer Solar Cells Based on a Main-Chain Twisted Low-Bandgap Acceptor with Power Conversion Efficiency of 13.2%. *ACS Energy Letters*, **2018**, 3, 1499-1507	20.1	98
208	Progress in Poly (3-Hexylthiophene) Organic Solar Cells and the Influence of Its Molecular Weight on Device Performance. *Advanced Energy Materials*, **2018**, 8, 1801001	21.8	72
207	Dibenzothiophene-S,S-dioxide and Bispyridinium-Based Cationic Polyfluorene Derivative as an Efficient Cathode Modifier for Polymer Solar Cells. *ACS Applied Materials & Interfaces*, **2017**, 9, 4778-4787	9.5	19

206	Donor End-Capped Hexafluorinated Oligomers for Organic Solar Cells with 9.3% Efficiency by Engineering the Position of □Bridge and Sequence of Two-Step Annealing. *Chemistry of Materials*, **2017**, 29, 1036-1046	9.6	34
205	Boosting Up Performance of Inverted Photovoltaic Cells from Bis(alkylthien-2-yl)dithieno[2,3-d:2′,3′-d′]benzo[1,2-b:4′,5′-b′]di thiophene-Based Copolymers by Advantageous Vertical Phase Separation. *ACS Applied Materials & Interfaces*, **2017**, 9, 10937-10945	9.5	25
204	Water- and alcohol-soluble cationic phenanthroline derivatives as efficient cathode interfacial layers for bulk-heterojunction polymer solar cells. *Journal of Materials Chemistry C*, **2017**, 5, 4858-4866	7.1	6
203	Polymer solar cells spray coated with non-halogenated solvents. *Solar Energy Materials and Solar Cells*, **2017**, 161, 52-61	6.4	23
202	Optimized Phase Separation and Reduced Geminate Recombination in High Fill Factor Small-Molecule Organic Solar Cells. *ACS Energy Letters*, **2017**, 2, 14-21	20.1	32
201	Enhancing Performances of Solution-Processed Inverted Ternary Small-Molecule Organic Solar Cells: Manipulating the Host-Guest Donors and Acceptor Interaction. *Solar Rrl*, **2017**, 1, 1600003	7.1	14
200	Applying Thienyl Side Chains and Different □Bridge to Aromatic Side-Chain Substituted Indacenodithiophene-Based Small Molecule Donors for High-Performance Organic Solar Cells. *ACS Applied Materials & Interfaces*, **2017**, 9, 19998-20009	9.5	9
199	Pyridine-incorporated alcohol-soluble neutral polyfluorene derivatives as efficient cathode-modifying layers for polymer solar cells. *Polymer Chemistry*, **2017**, 8, 6720-6732	4.9	6
198	CdTe Nanocrystal Hetero-Junction Solar Cells with High Open Circuit Voltage Based on Sb-doped TiO□Electron Acceptor Materials. *Nanomaterials*, **2017**, 7,	5.4	13
197	High efficiency organic solar cells based on amorphous electron-donating polymer and modified fullerene acceptor. *Nano Energy*, **2017**, 39, 478-488	17.1	46
196	Redescription of Platevindex mortoni (Gastropoda: Eupulmonata: Onchidiidae) from China. *Molluscan Research*, **2017**, 37, 72-78	0.6	1
195	Synthesis, photophysics, electrochemistry, thermal stability and electroluminescent performances of a new europium complex with bis(□diketone) ligand containing carbazole group. *Luminescence*, **2017**, 32, 460-465	2.5	4
194	Integrated electrocoagulation and membrane filtration for PAH removal from realistic industrial wastewater: effectiveness and mechanisms. *RSC Advances*, **2017**, 7, 52366-52374	3.7	18
193	Solution-processable bipolar S,S-dioxide-dibenzothiophene chromophores for single-layer organic light-emitting diodes. *New Journal of Chemistry*, **2016**, 40, 7741-7749	3.6	1
192	New insight of molecular interaction, crystallization and phase separation in higher performance small molecular solar cells via solvent vapor annealing. *Nano Energy*, **2016**, 30, 639-648	17.1	58
191	Improving performance in CdTe/CdSe nanocrystals solar cells by using bulk nano-heterojunctions. *Journal of Materials Chemistry C*, **2016**, 4, 6483-6491	7.1	23
190	. *IEEE Journal of Selected Topics in Quantum Electronics*, **2016**, 22, 66-72	3.8	10
189	Toward high performance indacenodithiophene-based small-molecule organic solar cells: investigation of the effect of fused aromatic bridges on the device performance. *Journal of Materials Chemistry A*, **2016**, 4, 2252-2262	13	21

188	High-performance polymer solar cells based on a 2D-conjugated polymer with an alkylthio side-chain. *Energy and Environmental Science*, **2016**, 9, 885-891	35.4	150
187	Effective modulation of an aryl acetylenic molecular system based on dithienyldiketopyrrolopyrrole for organic solar cells. *Journal of Materials Chemistry C*, **2016**, 4, 3757-3764	7.1	15
186	n-Type Water/Alcohol-Soluble Naphthalene Diimide-Based Conjugated Polymers for High-Performance Polymer Solar Cells. *Journal of the American Chemical Society*, **2016**, 138, 2004-13	16.4	400
185	The end-capped group effect on dithienosilole trimer based small molecules for efficient organic photovoltaics. *Journal of Materials Chemistry C*, **2016**, 4, 1972-1978	7.1	15
184	Side chain effect on photovoltaic properties of dibenzo[a,c]phenazine based donor□cceptor polymers. *Organic Electronics*, **2016**, 29, 151-159	3.5	5
183	Highly efficient and stable blue polymer light emitting diodes based on polysilafluorenes with pendent hole transporting groups. *Journal of Materials Chemistry C*, **2016**, 4, 905-913	7.1	28
182	Side-chain manipulation on accepting units of two-dimensional benzo[1,2-b:4,5-b?]dithiophene polymers for organic photovoltaics. *Polymer Chemistry*, **2016**, 7, 1486-1493	4.9	15
181	Recent Progress on Solution-Processed CdTe Nanocrystals Solar Cells. *Applied Sciences (Switzerland)*, **2016**, 6, 197	2.6	23
180	Recent Advances in Organic Photovoltaics: Device Structure and Optical Engineering Optimization on the Nanoscale. *Small*, **2016**, 12, 1547-71	11	68
179	High Sensitivity Polymer Visible-Near Infrared Photodetectors via an Inverted Device Structure and Manipulation of Injection Barrier Height. *Small*, **2016**, 12, 3374-80	11	38
178	Difluorobenzothiadiazole-Based Small-Molecule Organic Solar Cells with 8.7% Efficiency by Tuning of □Conjugated Spacers and Solvent Vapor Annealing. *Advanced Functional Materials*, **2016**, 26, 1803-1812	15.6	94
177	Multi-Length-Scale Morphologies Driven by Mixed Additives in Porphyrin-Based Organic Photovoltaics. *Advanced Materials*, **2016**, 28, 4727-33	24	219
176	Series of Multifluorine Substituted Oligomers for Organic Solar Cells with Efficiency over 9% and Fill Factor of 0.77 by Combination Thermal and Solvent Vapor Annealing. *Journal of the American Chemical Society*, **2016**, 138, 7687-97	16.4	176
175	Dialkylthio benzo[1,2-b:4,5-b?]difuran polymer for efficient organic photovoltaics with solvent treatment in active layers. *Dyes and Pigments*, **2016**, 131, 356-363	4.6	5
174	Structure and properties of TiCuN coatings by HCD assisted AIP. *Surface Engineering*, **2016**, 32, 223-228	2.6	3
173	Three cationic iridium(III) complexes with 1,10-phenanthroline or compounds containing 1,10-phenanthroline unit as auxiliary ligands: Synthesis and application in polymer light-emitting diodes. *Dyes and Pigments*, **2016**, 131, 340-348	4.6	18
172	High molecular weight broad band-gap polymers based on indolo[3,2-b]carbazole and thiazolo[5,4-d]thiazole derivatives for solar cells. *Polymer Science - Series B*, **2016**, 58, 587-593	0.8	3
171	Correlation of structure and photovoltaic performance of benzo[1,2-b:4,5-b?]dithiophene copolymers alternating with different acceptors. *New Journal of Chemistry*, **2015**, 39, 2248-2255	3.6	14

170	Side chain modification: an effective approach to modulate the energy level of benzodithiophene based polymers for high-performance solar cells. *Journal of Materials Chemistry A*, **2015**, 3, 18115-18126	13	33
169	Self-assembled perylene bisimide J-aggregates as promising cathode modifiers for highly efficient inverted polymer solar cells. *Materials Horizons*, **2015**, 2, 514-518	14.4	30
168	Correlation of localized glaucomatous visual field defects and spectral domain optical coherence tomography retinal nerve fiber layer thinning using a modified structure-function map for OCT. *Eye* , **2015**, 29, 525-33	4.4	18
167	Novel Hybrid Ligands for Passivating PbS Colloidal Quantum Dots to Enhance the Performance of Solar Cells. *Nano-Micro Letters*, **2015**, 7, 325-331	19.5	19
166	Hyperbranched red light-emitting phosphorescent polymers based on iridium complex as the core. *Journal of Luminescence*, **2015**, 167, 179-185	3.8	21
165	Rational design of diketopyrrolopyrrole-based oligomers for high performance small molecular photovoltaic materials via an extended framework and multiple fluorine substitution. *Journal of Materials Chemistry A*, **2015**, 3, 11575-11586	13	35
164	Recent advance in polymer solar cells: enhancing power conversion efficiency over 10% with deterministic aperiodic nanostructures. *Science China Chemistry*, **2015**, 58, 189-189	7.9	5
163	Blue light-emitting hyperbranched polymers using fluorene-co-dibenzothiophene-S,S-dioxide as branches. *Journal of Polymer Science Part A*, **2015**, 53, 1043-1051	2.5	34
162	Side Chain Influence on the Morphology and Photovoltaic Performance of 5-Fluoro-6-alkyloxybenzothiadiazole and Benzodithiophene Based Conjugated Polymers. *ACS Applied Materials & Interfaces*, **2015**, 7, 10710-7	9.5	36
161	Solution processed CdTe/CdSe nanocrystal solar cells with more than 5.5% efficiency by using an inverted device structure. *Journal of Materials Chemistry C*, **2015**, 3, 4227-4234	7.1	37
160	Solution-processed cathode interfacial layer materials for high-efficiency polymer solar cells. *Materials Today*, **2015**, 18, 385-394	21.8	62
159	Pyrene terminal functionalized perylene diimide as non-fullerene acceptors for bulk heterojunction solar cells. *RSC Advances*, **2015**, 5, 83155-83163	3.7	19
158	Efficient saturated red electrophosphorescence by using solution-processed 1-phenylisoquinoline-based iridium phosphors with peripheral functional encapsulation. *Organic Electronics*, **2015**, 26, 400-407	3.5	18
157	Simultaneous spin-coating and solvent annealing: manipulating the active layer morphology to a power conversion efficiency of 9.6% in polymer solar cells. *Materials Horizons*, **2015**, 2, 592-597	14.4	31
156	Fully solution-processed and multilayer blue organic light-emitting diodes based on efficient small molecule emissive layer and intergrated interlayer optimization. *Organic Electronics*, **2015**, 27, 35-40	3.5	24
155	Star-shaped isoindigo-based small molecules as potential non-fullerene acceptors in bulk heterojunction solar cells. *New Journal of Chemistry*, **2015**, 39, 8771-8779	3.6	23
154	Dithieno[3,2-b:2?,3?-d]pyridin-5(4H)-one-based polymers with a bandgap up to 2.02 eV for high performance field-effect transistors and polymer solar cells with an open-circuit voltage up to 0.98 V and an efficiency up to 6.84%. *Journal of Materials Chemistry A*, **2015**, 3, 20516-20526	13	30
153	Efficient solution-processed double-layer red OLEDs based on a new europium complex with a carbazole group. *Luminescence*, **2015**, 30, 393-6	2.5	8

152	Near-Infrared Polymer Light-Emitting Diodes with High Efficiency and Low Efficiency Roll-off by Using Solution-Processed Iridium(III) Phosphors. *Chemistry of Materials*, **2015**, 27, 96-104	9.6	99
151	Triisopropylsilylethynyl substituted benzodithiophene copolymers: synthesis, properties and photovoltaic characterization. *Journal of Materials Chemistry C*, **2015**, 3, 1595-1603	7.1	14
150	Quantifying Losses in Open-Circuit Voltage in Solution-Processable Solar Cells. *Physical Review Applied*, **2015**, 4,	4.3	373
149	Alcohol-soluble Star-shaped Oligofluorenes as Interlayer for High Performance Polymer Solar Cells. *Scientific Reports*, **2015**, 5, 17329	4.9	6
148	Rational Design of Small Molecular Donor for Solution-Processed Organic Photovoltaics with 8.1% Efficiency and High Fill Factor via Multiple Fluorine Substituents and Thiophene Bridge. *Advanced Functional Materials*, **2015**, 25, 3514-3523	15.6	110
147	Toward Highly Sensitive Polymer Photodetectors by Molecular Engineering. *Advanced Materials*, **2015**, 27, 6496-503	24	114
146	Solution-Processed Diketopyrrolopyrrole-Containing Small-Molecule Organic Solar Cells with 7.0% Efficiency: In-Depth Investigation on the Effects of Structure Modification and Solvent Vapor Annealing. *Chemistry of Materials*, **2015**, 27, 4338-4348	9.6	100
145	Efficiency enhancement in solution-processed organic small molecule: Fullerene solar cells via solvent vapor annealing. *Applied Physics Letters*, **2015**, 106, 183302	3.4	47
144	A Solution-Processable Dithienyldiketopyrrolopyrrole Dye Molecule with Acetylene as a π-Linkage for Organic Solar Cells. *Asian Journal of Organic Chemistry*, **2015**, 4, 470-476	3	8
143	Photoconductive Cathode Interlayer for Highly Efficient Inverted Polymer Solar Cells. *Journal of the American Chemical Society*, **2015**, 137, 6995-8	16.4	216
142	Origin of high fill factor in polymer solar cells from semiconducting polymer with moderate charge carrier mobility. *Organic Electronics*, **2015**, 24, 125-130	3.5	27
141	Perylene Bisimide as a Promising Zinc Oxide Surface Modifier: Enhanced Interfacial Combination for Highly Efficient Inverted Polymer Solar Cells. *ACS Applied Materials & Interfaces*, **2015**, 7, 25821-7	7.5	68
140	Synthesis and photovoltaic properties of ADA type non-fullerene acceptors containing isoindigo terminal units. *RSC Advances*, **2015**, 5, 107566-107574	3.7	18
139	Single-junction polymer solar cells with high efficiency and photovoltage. *Nature Photonics*, **2015**, 9, 174-179	33.9	1495
138	An alkylthieno-2-yl flanked dithieno[2,3-d:2?,3?-d?]benzo[1,2-b:4,5-b?]dithiophene-based low band gap conjugated polymer for high performance photovoltaic solar cells. *RSC Advances*, **2015**, 5, 12879-12885	3.7	23
137	White polymer light-emitting devices for solid-state lighting: materials, devices, and recent progress. *Advanced Materials*, **2014**, 26, 2459-73	24	430
136	Recent advances in polymer solar cells: realization of high device performance by incorporating water/alcohol-soluble conjugated polymers as electrode buffer layer. *Advanced Materials*, **2014**, 26, 1006-24	24	208
135	Water/Alcohol-Soluble Conjugated Polymer-Based Interlayers for Polymer Solar Cells **2014**, 301-318		0

134	Novel heteroleptic iridium(III) complexes with a 2-(1H-pyrazol-5-yl)pyridine derivative containing a carbazole group as ancillary ligand: Synthesis and application for polymer light-emitting diodes. *Synthetic Metals*, **2014**, 187, 209-216	3.6	9
133	Alcohol-soluble polyfluorenes containing dibenzothiophene-S,S-dioxide segments for cathode interfacial layer in PLEDs and PSCs. *Organic Electronics*, **2014**, 15, 758-774	3.5	18
132	Design and synthesis of triazoloquinoxaline polymers with positioning alkyl or alkoxyl chains for organic photovoltaics cells. *Polymer Chemistry*, **2014**, 5, 1163-1172	4.9	20
131	Enhancement of open-circuit voltage and the fill factor in CdTe nanocrystal solar cells by using interface materials. *Nanotechnology*, **2014**, 25, 365203	3.4	22
130	White polymer light-emitting diodes based on star-shaped polymers with an orange dendritic phosphorescent core. *Macromolecular Rapid Communications*, **2014**, 35, 2071-6	4.8	16
129	Design and photovoltaic characterization of dithieno[3,2-b:2P,3Pd]silole copolymers with positioning phenyl groups. *Physical Chemistry Chemical Physics*, **2014**, 16, 26893-900	3.6	4
128	Benzotrithiophene polymers with tuneable bandgap for photovoltaic applications. *RSC Advances*, **2014**, 4, 53939-53945	3.7	6
127	Polymer light-emitting diodes based on cationic iridium(III) complexes with a 1,10-phenanthroline derivative containing a bipolar carbazole□xadiazole unit as the auxiliary ligand. *Optical Materials*, **2014**, 37, 679-687	3.3	7
126	Synthesis and characterizations of poly(3,6-thienophenanthrene) and poly(2,7-thienophenanthrene) and their applications in polymer light-emitting devices and solar cells. *Organic Electronics*, **2014**, 15, 2311-2321	3.5	6
125	Flexible polymer solar cells with power conversion efficiency of 8.7%. *Journal of Materials Chemistry C*, **2014**, 2, 5077-5082	7.1	70
124	A novel near-infrared-emitting cyclometalated platinum (II) complex with donor□cceptor□cceptor chromophores. *Dyes and Pigments*, **2014**, 107, 146-152	4.6	28
123	Multifunctional homoleptic iridium(III) dendrimers towards solution-processed nondoped electrophosphorescence with low efficiency roll-off. *Organic Electronics*, **2014**, 15, 1598-1606	3.5	26
122	Synthesis and Photovoltaic Characterization of Dithieno[3,2-b:2?,3?-d]thiophene-Derived Narrow-Bandgap Polymers. *Macromolecular Chemistry and Physics*, **2014**, 215, 227-234	2.6	11
121	High-performance inverted polymer solar cells based on thin copper film. *Journal of Photonics for Energy*, **2014**, 5, 057206	1.2	4
120	Efficient yellow□reen light-emitting cationic iridium complexes based on 1,10-phenanthroline derivatives containing oxadiazole-triphenylamine unit. *Dyes and Pigments*, **2014**, 100, 79-86	4.6	32
119	Efficient Solution-Processed Deep-Blue Organic Light-Emitting Diodes Based on Multibranched Oligofluorenes with a Phosphine Oxide Center. *Chemistry of Materials*, **2013**, 25, 3320-3327	9.6	69
118	Monodisperse Low-Bandgap Macromolecule-Based 5,5PBibenzo[c][1,2,5]thiadiazole Swivel Cruciform for Organic Solar Cells.. *ACS Macro Letters*, **2013**, 2, 621-624	6.6	12
117	Different responses to mechanical injury in neonatal and adult ovine articular cartilage. *BioMedical Engineering OnLine*, **2013**, 12, 53	4.1	2

116	Synthesis and photovoltaic performance of novel thiophenyl-methylene-9H-fluorene-based low bandgap polymers. *Polymer*, **2013**, 54, 4930-4939	3.9	19
115	Red, Green, and Blue Light-Emitting Polyfluorenes Containing a Dibenzothiophene-S,S-Dioxide Unit and Efficient High-Color-Rendering-Index White-Light-Emitting Diodes Made Therefrom. *Advanced Functional Materials*, **2013**, 23, 4366-4376	15.6	115
114	Interface investigation of the alcohol-/water-soluble conjugated polymer PFN as cathode interfacial layer in organic solar cells. *Journal of Applied Physics*, **2013**, 114, 113709	2.5	33
113	Mixed bipolar fluorescent small molecules for solution processable white light-emitting devices with excellent efficiency roll-off. *Journal of Materials Chemistry C*, **2013**, 1, 7175	7.1	5
112	Solution-processed efficient CdTe nanocrystal/CBD-CdS hetero-junction solar cells with ZnO interlayer. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	18
111	Efficient Polymer Solar Cells Based on Solution-processed Vanadium Oxide as Hole-extracting Layer. *Chinese Journal of Chemistry*, **2013**, 31, 1423-1427	4.9	2
110	Novel cyclometalated platinum (II) complex containing carrier-transporting groups: Synthesis, luminescence and application in single dopant white PLEDs. *Dyes and Pigments*, **2013**, 96, 732-737	4.6	18
109	Highly efficient, solution-processed orange□ed phosphorescent OLEDs by using new iridium phosphor with thieno[3,2-c]pyridine derivative as cyclometalating ligand. *Organic Electronics*, **2013**, 14, 3392-3398	3.5	28
108	A round robin study of polymer solar cells and small modules across China. *Solar Energy Materials and Solar Cells*, **2013**, 117, 382-389	6.4	10
107	Highly efficient red phosphorescent organic light-emitting diodes based on solution processed emissive layer. *Journal of Luminescence*, **2013**, 142, 35-39	3.8	21
106	Highly efficient blue and all-phosphorescent white polymer light-emitting devices based on polyfluorene host. *Organic Electronics*, **2013**, 14, 1909-1915	3.5	19
105	Investigation of a Conjugated Polyelectrolyte Interlayer for Inverted Polymer:Fullerene Solar Cells. *Advanced Energy Materials*, **2013**, 3, 718-723	21.8	87
104	A Novel Benzo[1,2-b:4,5-b?]dithiophene-Based Conjugated Polymer with a Pendant Diketopyrrolopyrrole Unit for High-Performance Solar Cells. *Macromolecules*, **2013**, 46, 113-118	5.5	72
103	Highly efficient iridium(III) phosphors with phenoxy-substituted ligands and their high-performance OLEDs. *Journal of Materials Chemistry C*, **2013**, 1, 808-821	7.1	61
102	An unprecedented Ag□pipemidic acid complex with helical structure: Synthesis, structure and interaction with CT-DNA. *Journal of Molecular Structure*, **2013**, 1045, 29-34	3.4	14
101	Highly efficient single-layer organic light-emitting devices using cationic iridium complex as host. *Organic Electronics*, **2013**, 14, 744-753	3.5	23
100	High-efficiency ITO-free polymer solar cells using highly conductive PEDOT:PSS/surfactant bilayer transparent anodes. *Energy and Environmental Science*, **2013**, 6, 1956	35.4	188
99	Chemistry and materials based on 5,5□bibenzo[c][1,2,5]thiadiazole. *Chemical Communications*, **2013**, 49, 5730-2	5.8	18

98	Organic Optoelectronic Devices Containing Water/Alcohol-Soluble Conjugated Polymers and Conjugated Polyelectrolytes* **2013**, 345-388		1
97	Bipolar iridium dendrimers containing carbazolyl dendron and 1,2,4-triazole unit for solution-processed saturated red electrophosphorescence. *Dyes and Pigments*, **2013**, 99, 41-51	4.6	15
96	Domain-like ultra-thin layers deposited electrochemically from carbazole-functionalized perylene bisimides for electron collection in inverted photovoltaic cells. *Chemical Communications*, **2013**, 49, 6283-5	5.8	15
95	Efficient white emitting copolymers based on bipolar fluorene-co-dibenzothiophene-S,S-dioxide-co-carbazole backbone. *Chinese Journal of Polymer Science (English Edition)*, **2013**, 31, 88-97	3.5	20
94	Synthesis, characterization and photovoltaic performances of D-A copolymers based on BDT and DBPz: the largely improved performance caused by additional thiophene blocks. *Journal of Materials Chemistry A*, **2013**, 1, 4508	13	29
93	Synthesis and Photovoltaic Performance of a [1,2,3]Triazolo[4,5-g]quinoxaline-Based Low-Bandgap Polymer. *Macromolecular Chemistry and Physics*, **2013**, 214, 2473-2479	2.6	13
92	Unexpected Propeller-Like Hexakis(fluoren-2-yl)benzene Cores for Six-Arm Star-Shaped Oligofluorenes: Highly Efficient Deep-Blue Fluorescent Emitters and Good Hole-Transporting Materials. *Advanced Functional Materials*, **2013**, 23, 1781-1788	15.6	110
91	Synthesis and luminescent properties of blue sextuple-hydrogen-bond self-assembly molecular duplexes bearing 4-phenoxy-1,8-naphthalimide moieties. *Optical Materials*, **2012**, 34, 1535-1542	3.3	11
90	RGB small molecules based on a bipolar molecular design for highly efficient solution-processed single-layer OLEDs. *Chemistry - A European Journal*, **2012**, 18, 2707-14	4.8	35
89	Highly Efficient and Fully Solution-Processed White Electroluminescence Based on Fluorescent Small Molecules and a Polar Conjugated Polymer as the Electron-Injection Material. *Advanced Functional Materials*, **2012**, 22, 1092-1097	15.6	37
88	A butterfly-like yellow luminescent Ir(III) complex and its application in highly efficient polymer light-emitting devices. *Journal of Materials Chemistry*, **2012**, 22, 22496		30
87	Highly efficient green-emitting electrophosphorescent hyperbranched polymers using a bipolar carbazole-3,6-diyl-co-2,8-octyldibenzothiophene-S,S-dioxide-3,7-diyl unit as the branch. *RSC Advances*, **2012**, 2, 689-696	3.7	42
86	Simultaneous enhancement of the carrier mobility and luminous efficiency through thermal annealing a molecular glass material and device. *Journal of Materials Chemistry*, **2012**, 22, 21502		11
85	Triphenylamine Dendronized Iridium(III) Complexes: Robust Synthesis, Highly Efficient Nondoped Orange Electrophosphorescence and the Structure-Property Relationship. *Chemistry of Materials*, **2012**, 24, 174-180	9.6	86
84	Enhanced power-conversion efficiency in polymer solar cells using an inverted device structure. *Nature Photonics*, **2012**, 6, 591-595	33.9	3384
83	Novel green light-emitting polyfluorenes containing dibenzothiophene-S,S-dioxide-arylamine derivatives. *Polymer*, **2012**, 53, 2873-2883	3.9	16
82	Two novel orange cationic iridium(III) complexes with multifunctional ancillary ligands used for polymer light-emitting diodes. *Organic Electronics*, **2012**, 13, 3211-3219	3.5	36
81	Iridium phosphors with peripheral triphenylamine encapsulation: highly efficient solution-processed red electrophosphorescence. *Chemical Communications*, **2012**, 48, 2695-7	5.8	42

80	Highly efficient single-layer white polymer light-emitting devices employing triphenylamine-based iridium dendritic complexes as orange emissive component. *Journal of Materials Chemistry*, **2012**, 22, 361-366		49
79	Phosphoryl/Sulfonyl-Substituted Iridium Complexes as Blue Phosphorescent Emitters for Single-Layer Blue and White Organic Light-Emitting Diodes by Solution Process. *Chemistry of Materials*, **2012**, 24, 4581-4587	9.6	126
78	Bipolar blue-emitting poly(N-9?-heptadecanyl-carbazole-2,7-diyl-co-dibenzothiophene-S,S-dioxide-3,7-diyl)s. *Journal of Materials Chemistry*, **2012**, 22, 3440		22
77	2,3-bis(5-Hexylthiophen-2-yl)-6,7-bis(octyloxy)-5,8-di(thiophen-2-yl) quinoxaline: A good construction block with adjustable role in the donor–acceptor system for bulk-heterojunction solar cells. *Journal of Polymer Science Part A*, **2012**, 50, 2819-2828	2.5	13
76	Tuning the energy levels and photophysical properties of triphenylamine-featured iridium(III) complexes: application in high performance polymer light-emitting diodes. *Journal of Materials Chemistry*, **2012**, 22, 11128		28
75	Highly Efficient, Red-Emitting Hyperbranched Polymers Utilizing a Phenyl-Isoquinoline Iridium Complex as the Core. *Macromolecular Chemistry and Physics*, **2012**, 213, 820-828	2.6	32
74	Platinum-based poly(aryleneethynylene) polymers containing thiazolothiazole group with high hole mobilities for field-effect transistor applications. *Macromolecular Rapid Communications*, **2012**, 33, 603-9	4.8	21
73	How the linkage positions affect the performance of bulk-heterojunction polymer solar cells. *Journal of Materials Chemistry*, **2012**, 22, 12523		40
72	Synthesis and characterization of alternating copolymers derived from indeno[1,2-b]fluorene for blue light-emitting diodes. *Journal of Applied Polymer Science*, **2012**, 125, 1409-1417	2.9	3
71	Solution-processed, undoped, deep-blue organic light-emitting diodes based on starburst oligofluorenes with a planar triphenylamine core. *Chemistry - A European Journal*, **2012**, 18, 6928-34	4.8	69
70	Conjugated molecular heterojunctions with multi[60]fullerene: photophysical, electrochemical, and photovoltaic properties. *New Journal of Chemistry*, **2012**, 36, 1583	3.6	4
69	Efficient hybrid white polymer light-emitting devices with electroluminescence covered the entire visible range and reduced efficiency roll-off. *Applied Physics Letters*, **2012**, 100, 063304	3.4	18
68	Materials and Devices toward Fully Solution Processable Organic Light-Emitting Diodes *Chemistry of Materials*, **2011**, 23, 326-340	9.6	368
67	Red light-emitting hyperbranched fluorene-alt-carbazole copolymers with an iridium complex as the core. *Polymer Chemistry*, **2011**, 2, 2193	4.9	33
66	Improved high-efficiency organic solar cells via incorporation of a conjugated polyelectrolyte interlayer. *Journal of the American Chemical Society*, **2011**, 133, 8416-9	16.4	515
65	Solvent Effect Leading to High Performance of Bulk Heterojunction Polymer Solar Cells by Novel Polysilafluorene Derivatives. *Journal of Physical Chemistry C*, **2011**, 115, 2314-2319	3.8	17
64	2,7-Carbazole-1,4-phenylene Copolymers with Polar Side Chains for Cathode Modifications in Polymer Light-Emitting Diodes. *Macromolecules*, **2011**, 44, 4204-4212	5.5	42
63	New alternating copolymers of fluorene and triphenylamine bearing terthiophene and acceptor groups in the side chains: Synthesis and photovoltaic properties. *Polymer*, **2011**, 52, 5302-5311	3.9	6

62	Platinum-acetylide polymers with higher dimensionality for organic solar cells. *Chemistry - an Asian Journal*, **2011**, 6, 1766-77	4.5	42
61	Novel yellow phosphorescent iridium complexes containing a carbazole/oxadiazole unit used in polymeric light-emitting diodes. *Dyes and Pigments*, **2011**, 91, 413-421	4.6	19
60	Highly efficient pure white polymer light-emitting devices based on poly(N-vinylcarbazole) doped with blue and red phosphorescent dyes. *Science China Chemistry*, **2011**, 54, 671-677	7.9	8
59	Synthesis and Photovoltaic Properties of Alternating Conjugated Polymers Derived from Indeno[1,2-b]fluorene and Bithiophene or Thieno[3,2-b]thiophene-Cored Benzothiadiazole. *Macromolecular Chemistry and Physics*, **2011**, 212, 1193-1201	2.6	10
58	A Series of Energy-Transfer Copolymers Derived from Fluorene and 4,7-Dithienylbenzotriazole for High Efficiency Yellow, Orange, and White Light-Emitting Diodes. *Advanced Functional Materials*, **2011**, 21, 3760-3769	15.6	43
57	Simultaneous optimization of charge-carrier balance and luminous efficacy in highly efficient white polymer light-emitting devices. *Advanced Materials*, **2011**, 23, 2976-80	24	195
56	Largely enhanced efficiency with a PFN/Al bilayer cathode in high efficiency bulk heterojunction photovoltaic cells with a low bandgap polycarbazole donor. *Advanced Materials*, **2011**, 23, 3086-9	24	221
55	Simultaneous enhancement of open-circuit voltage, short-circuit current density, and fill factor in polymer solar cells. *Advanced Materials*, **2011**, 23, 4636-43	24	1860
54	5,6-Bis(decyloxy)-2,1,3-benzooxadiazole-Based Polymers with Different Electron Donors for Bulk-Heterojunction Solar Cells. *Journal of Physical Chemistry C*, **2011**, 115, 16211-16219	3.8	45
53	Highly Efficient and Stable Deep Blue Light Emitting Poly(9,9-dialkoxyphenyl- 2,7-silafluorene): Synthesis and Electroluminescent Properties. *Macromolecules*, **2011**, 44, 17-19	5.5	23
52	Highly Efficient Electron Injection from Indium Tin Oxide/Cross-Linkable Amino-Functionalized Polyfluorene Interface in Inverted Organic Light Emitting Devices. *Chemistry of Materials*, **2011**, 23, 4870-4876	9.6	106
51	Measuring external photoluminescence quantum efficiency of organic solid films. *Chemical Physics Letters*, **2011**, 506, 321-325	2.5	1
50	A novel heteroleptic iridium complex with multifunctional ligands used for polymeric light-emitting diodes. *Optical Materials*, **2011**, 33, 1291-1296	3.3	10
49	Efficient sky-blue and blue-green light-emitting electrochemical cells based on cationic iridium complexes using 1,2,4-triazole-pyridine as the ancillary ligand with cyanogen group in alkyl chain. *Organic Electronics*, **2011**, 12, 766-773	3.5	65
48	Highly efficient polymer phosphorescent light-emitting devices based on a new polyfluorene derivative as host. *Chinese Physics B*, **2011**, 20, 088502	1.2	2
47	Origin of the enhanced open-circuit voltage in polymer solar cells via interfacial modification using conjugated polyelectrolytes. *Journal of Materials Chemistry*, **2010**, 20, 2617		214
46	Water/alcohol soluble conjugated polymers as highly efficient electron transporting/injection layer in optoelectronic devices. *Chemical Society Reviews*, **2010**, 39, 2500-21	58.5	383
45	Solution-processed bulk heterojunction photovoltaic cells from gradient pi-conjugated thienylene vinylene dendrimers. *Chemistry - an Asian Journal*, **2010**, 5, 105-13	4.5	16

44	Solution-processed bulk-heterojunction photovoltaic cells based on dendritic and star-shaped D-pi-A organic dyes. *Chemistry - an Asian Journal*, **2010**, 5, 1455-65	4.5	3
43	Novel conjugated alternating copolymer based on 2,7-carbazole and 2,1,3-benzoselenadiazole. *Polymer*, **2010**, 51, 3196-3202	3.9	48
42	Realization of highly efficient white polymer light-emitting devices via interfacial energy transfer from poly(N-vinylcarbazole). *Organic Electronics*, **2010**, 11, 529-534	3.5	32
41	White-Emitting Polymers and Devices. *Green Energy and Technology*, **2010**, 37-78	0.6	1
40	Enhanced open-circuit voltage in polymer solar cells. *Applied Physics Letters*, **2009**, 95, 043301	3.4	115
39	Efficient Polymer White-Light-Emitting Devices for Solid-State Lighting. *Advanced Materials*, **2009**, 21, 4181-4184	24	302
38	Novel Red Light-Emitting Fluorene-alt-Carbazole Copolymers with Carbazole N-Graft Cyclometalated Ir Complexes. *Macromolecular Chemistry and Physics*, **2009**, 210, 457-466	2.6	10
37	An ionic molecular glass as electron injection layer for efficient polymer light-emitting diode. *Macromolecular Rapid Communications*, **2009**, 30, 1484-91	4.8	12
36	Novel white-light-emitting polyfluorenes with benzothiadiazole and Ir complex on the backbone. *Polymer*, **2009**, 50, 1430-1437	3.9	59
35	Hyperbranched framework of interrupted □-conjugated polymers end-capped with high carrier-mobility moieties for stable light-emitting materials with low driving voltage. *Journal of Polymer Science Part A*, **2009**, 47, 6451-6462	2.5	25
34	Efficient red-light-emitting diodes based on novel amino-alkyl containing electrophosphorescent polyfluorenes with Al or Au as cathode. *Organic Electronics*, **2009**, 10, 42-47	3.5	30
33	Performance analysis of PLED based flat panel display with RGBW sub-pixel layout. *Organic Electronics*, **2009**, 10, 857-862	3.5	18
32	Enhancement of spectral stability and efficiency on blue light-emitters via introducing dibenzothiophene-S,S-dioxide isomers into polyfluorene backbone. *Organic Electronics*, **2009**, 10, 901-909	3.5	70
31	Pyrene functioned diarylfluorenes as efficient solution processable light emitting molecular glass. *Organic Electronics*, **2009**, 10, 256-265	3.5	37
30	White emission polymer light-emitting devices with efficient electron injection from alcohol/water-soluble polymer/Al bilayer cathode. *Organic Electronics*, **2009**, 10, 299-304	3.5	39
29	High-efficiency and good color quality white light-emitting devices based on polymer blend. *Organic Electronics*, **2009**, 10, 843-848	3.5	52
28	A new approach to efficiency enhancement of polymer light-emitting diodes by deposition of anode buffer layers in the presence of additives. *Organic Electronics*, **2009**, 10, 1562-1570	3.5	16
27	Supramolecular □-Stacking Pyrene-Functioned Fluorenes: Toward Efficient Solution-Processable Small Molecule Blue and White Organic Light Emitting Diodes. *Journal of Physical Chemistry C*, **2009**, 113, 4641-4647	3.8	78

26	Progress and perspective of polymer white light-emitting devices and materials. *Chemical Society Reviews*, **2009**, 38, 3391-400	58.5	376
25	Photocurrent hysteresis by ion motion within conjugated polyelectrolyte electron transporting layers. *Journal of Materials Chemistry*, **2009**, 19, 211-214		20
24	Novel green-light-emitting hyperbranched polymers with iridium complex as core and 3,6-carbazole-co-2,6-pyridine unit as branch. *Journal of Materials Chemistry*, **2009**, 19, 531-537		52
23	Donor Polymers Containing Benzothiadiazole and Four Thiophene Rings in Their Repeating Units with Improved Photovoltaic Performance. *Macromolecules*, **2009**, 42, 4410-4415	5.5	146
22	Highly Efficient and Spectrally Stable Blue-Light-Emitting Polyfluorenes Containing a Dibenzothiophene-S,S-dioxide Unit. *Chemistry of Materials*, **2008**, 20, 4499-4506	9.6	121
21	Amino-containing saturated red light-emitting copolymers based on fluorene and carbazole units. *Dyes and Pigments*, **2008**, 78, 165-172	4.6	5
20	Synthesis and Characterization of Pyrene-Centered Starburst Oligofluorenes. *Macromolecular Rapid Communications*, **2008**, 29, 659-664	4.8	79
19	High-efficiency polymer photovoltaic devices from regioregular-poly(3-hexylthiophene-2,5-diyl) and [6,6]-phenyl-C61-butyric acid methyl ester processed with oleic acid surfactant. *Applied Physics Letters*, **2007**, 90, 183512	3.4	97
18	High-efficiency electrophosphorescent copolymers containing charged iridium complexes in the side chains. *Chemistry - A European Journal*, **2007**, 13, 7432-42	4.8	41
17	Novel light-emitting electrophosphorescent copolymers based on carbazole with an Ir complex on the backbone. *Journal of Materials Chemistry*, **2007**, 17, 2824		52
16	Polyfluorene Polyelectrolytes and Their Precursors Processable from Environment-Friendly Solvents (Alcohol or Water) for PLED Applications. *Current Organic Chemistry*, **2007**, 11, 1207-1219	1.7	18
15	Control of cationic conjugated polymer performance in light emitting diodes by choice of counterion. *Journal of the American Chemical Society*, **2006**, 128, 14422-3	16.4	181
14	Polymer light-emitting diodes with novel environment-friendly alcohol-soluble conjugated copolymer. *Thin Solid Films*, **2006**, 515, 2632-2634	2.2	17
13	Synthesis and Characterization of Polyfluorene electrolytes as Green and Red Light-emitting Layers for High-Efficiency PLEDs. *Synthetic Metals*, **2005**, 152, 257-260	3.6	14
12	Efficient electron injection from bilayer cathode with aluminum as cathode. *Synthetic Metals*, **2005**, 153, 197-200	3.6	9
11	High-efficiency electron injection cathode of Au for polymer light-emitting devices. *Organic Electronics*, **2005**, 6, 118-128	3.5	136
10	DNA A-tract bending in three dimensions: solving the dA4T4 vs. dT4A4 conundrum. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 1177-82	11.5	118
9	Efficient Electron Injection from a Bilayer Cathode Consisting of Aluminum and Alcohol-/Water-Soluble Conjugated Polymers. *Advanced Materials*, **2004**, 16, 1826-1830	24	391

8	High-efficiency, environment-friendly electroluminescent polymers with stable high work function metal as a cathode: green- and yellow-emitting conjugated polyfluorene polyelectrolytes and their neutral precursors. *Journal of the American Chemical Society*, **2004**, 126, 9845-53	16.4	284
7	Novel Electroluminescent Conjugated Polyelectrolytes Based on Polyfluorene. *Chemistry of Materials*, **2004**, 16, 708-716	9.6	509
6	23.1: Efficient Electron Injection from Bilayer Cathode with High Work Function Metal. *Digest of Technical Papers SID International Symposium*, **2004**, 35, 892	0.5	
5	Stabilization of Semiconducting Polymers with Silsesquioxane. *Advanced Functional Materials*, **2003**, 13, 25-29	15.6	190
4	A novel family of RNA tetraloop structure forms the recognition site for Saccharomyces cerevisiae RNase III. *EMBO Journal*, **2001**, 20, 7240-9	13	71
3	Highly Sensitive UV□Vis-to-Near-Infrared Organic Photodetectors Employing ZnO: Polyethylenimine Ethoxylated Composite as Hole-Blocking Layer. *Advanced Photonics Research*,2100269	1.9	1
2	Achieving 16% Efficiency for Polythiophene Organic Solar Cells with a Cyano-Substituted Polythiophene. *Advanced Functional Materials*,2201142	15.6	11
1	Halogen-free Polymer Donors Based on 3,4-Dicyanothiophene for High-performance Polymer Solar Cells. *Chinese Journal of Polymer Science (English Edition)*,1	3.5	0