

Lixiang Wang

List of Publications by Year in Descending Order

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Version: 2024-04-20

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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.

301
papers

10,237
citations

55
h-index

85
g-index

314
ext. papers

11,760
ext. citations

7.4
avg, IF

6.64
L-index

#	Paper	IF	Citations
301	Persistent room temperature phosphorescence films based on star-shaped organic emitters. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 1833-1838	7.1	1
300	Boron-, sulfur- and nitrogen-doped polycyclic aromatic hydrocarbon multiple resonance emitters for narrowband blue emission.. <i>Chemistry - A European Journal</i> , 2022 ,	4.8	3
299	Incorporating Se atoms to organoboron polymer electron acceptors to tune opto-electronic properties. <i>Polymer</i> , 2022 , 242, 124547	3.9	0
298	Nitrogen-Bridged Star-Shaped Fused-Ring Electron Acceptors for Organic Solar Cells. <i>Giant</i> , 2022 , 1000936	3.6	0
297	Efficient Narrowband Red Electroluminescence from a Thermally Activated Delayed Fluorescence Polymer and Quantum Dot Hybrid. <i>Chemical Engineering Journal</i> , 2022 , 135221	14.7	2
296	Efficient and tunable purely organic room temperature phosphorescence films from selenium-containing emitters achieved by structural isomerism. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 5141-5146	7.1	2
295	Multiple Resonance Dendrimers Containing Boron, Oxygen, Nitrogen-Doped Polycyclic Aromatic Emitters for Narrowband Blue-Emitting Solution-Processed OLEDs.. <i>Macromolecular Rapid Communications</i> , 2022 , e2200079	4.8	2
294	Suppressing thermal quenching via defect passivation for efficient quasi-2D perovskite light-emitting diodes.. <i>Light: Science and Applications</i> , 2022 , 11, 69	16.7	16
293	De novo design of single white-emitting polymers based on one chromophore with multi-excited states. <i>Chemical Engineering Journal</i> , 2022 , 137004	14.7	0
292	Intramolecular-Locked Triazatruxene-Based Thermally Activated Delayed Fluorescence Emitter for Efficient Solution-Processed Deep-Blue Organic Light Emitting Diodes. <i>Chemical Engineering Journal</i> , 2022 , 137372	14.7	1
291	Organoboron molecules and polymers for organic solar cell applications. <i>Chemical Society Reviews</i> , 2021 ,	58.5	10
290	Engineering of Annealing and Surface Passivation toward Efficient and Stable Quasi-2D Perovskite Light-Emitting Diodes. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 11645-11651	6.4	5
289	Sterically-Locked Donor-Acceptor Conjugated Polymers Showing Efficient Thermally Activated Delayed Fluorescence. <i>Angewandte Chemie</i> , 2021 , 133, 9721-9727	3.6	7
288	Sterically-Locked Donor-Acceptor Conjugated Polymers Showing Efficient Thermally Activated Delayed Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 9635-9641	16.4	13
287	Donor-Acceptor Conjugated Polymers with Efficient Thermally Activated Delayed Fluorescence: Random versus Alternative Polymerization. <i>Macromolecules</i> , 2021 , 54, 5260-5266	5.5	2
286	D-(EA)3 type low bandgap star-shaped fused-ring electron acceptor with alkoxy-substituted thiophene as bridge. <i>Dyes and Pigments</i> , 2021 , 190, 109329	4.6	1
285	A Distannylated Monomer of a Strong Electron-Accepting Organoboron Building Block: Enabling Acceptor-Acceptor-Type Conjugated Polymers for n-Type Thermoelectric Applications. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16184-16190	16.4	22

284	Stacked Donor-Acceptor Dendrimers for Highly Efficient White Electroluminescence. <i>Angewandte Chemie</i> , 2021 , 133, 16721-16729	3.6	1
283	Stacked Donor-Acceptor Dendrimers for Highly Efficient White Electroluminescence. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16585-16593	16.4	10
282	A Distannylated Monomer of a Strong Electron-Accepting Organoboron Building Block: Enabling Acceptor-Acceptor-Type Conjugated Polymers for n-Type Thermoelectric Applications. <i>Angewandte Chemie</i> , 2021 , 133, 16320-16326	3.6	5
281	B<N-Incorporated Dibenzo-azaacenes as n-Type Thermoelectric Materials. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 33321-33327	9.5	6
280	Alkoxy encapsulation of carbazole-based thermally activated delayed fluorescent dendrimers for highly efficient solution-processed organic light-emitting diodes. <i>Chinese Chemical Letters</i> , 2021 , 32, 703-707	8.1	3
279	High-Performance Red Quantum-Dot Light-Emitting Diodes Based on Organic Electron Transporting Layer. <i>Advanced Functional Materials</i> , 2021 , 31, 2007686	15.6	17
278	An Electroactive Pure Organic Room-Temperature Phosphorescence Polymer Based on a Donor-Oxygen-Acceptor Geometry. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 2455-2463	16.4	23
277	An Electroactive Pure Organic Room-Temperature Phosphorescence Polymer Based on a Donor-Oxygen-Acceptor Geometry. <i>Angewandte Chemie</i> , 2021 , 133, 2485-2493	3.6	2
276	Isomers of B<N-Fused Dibenzo-azaacenes: How B<N Affects Opto-electronic Properties and Device Behaviors?. <i>Chemistry - A European Journal</i> , 2021 , 27, 4364-4372	4.8	11
275	Effect of Alkyl Side Chains of Polymer Donors on Photovoltaic Performance of All-Polymer Solar Cells. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 42-48	4.3	4
274	Orange-red thermally activated delay fluorescence emitters based on asymmetric difluoroboron chelated enaminone: Impact of donor position on luminescent properties. <i>Dyes and Pigments</i> , 2021 , 184, 108810	4.6	7
273	B<N-Incorporated Dibenzo-azaacene with Selective Near-Infrared Absorption and Visible Transparency. <i>Chemistry - A European Journal</i> , 2021 , 27, 2065-2071	4.8	8
272	Research Progress in Organic Solar Cells Based on Small Molecule Donors and Polymer Acceptors. <i>Acta Chimica Sinica</i> , 2021 , 79, 545	3.3	2
271	Hyperfluorescent polymers enabled by through-space charge transfer polystyrene sensitizers for high-efficiency and full-color electroluminescence. <i>Chemical Science</i> , 2021 , 12, 13083-13091	9.4	3
270	A highly efficient purely organic room-temperature phosphorescence film based on a selenium-containing emitter for sensitive oxygen detection. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 9907-9913	7.1	10
269	Novel boron- and sulfur-doped polycyclic aromatic hydrocarbon as multiple resonance emitter for ultrapure blue thermally activated delayed fluorescence polymers. <i>Science China Chemistry</i> , 2021 , 64, 547-551	7.9	20
268	Domain Controlling by Compound Additive toward Highly Efficient Quasi-2D Perovskite Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2021 , 31, 2103890	15.6	21
267	Dendritic Interfacial Exciplex Hosts for Solution-Processed TADF-OLEDs with Power Efficiency Approaching 100 lmW. <i>Advanced Optical Materials</i> , 2021 , 9, 2100752	8.1	6

266	NB <- N Bridged Bithiophene: A Building Block with Reduced Band Gap to Design n-Type Conjugated Polymers. <i>Macromolecules</i> , 2021 , 54, 6718-6725	5.5	2
265	13.3: Invited Paper: Through-Space Charge Transfer Polymers for Solution-processed OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2021 , 52, 187-187	0.5	
264	All-polymer indoor photovoltaic modules. <i>IScience</i> , 2021 , 24, 103104	6.1	1
263	Heterogeneous post-passivation of inorganic cesium lead halide perovskite quantum dots for efficient electroluminescent devices. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 3978-3986	7.1	7
262	A polymer acceptor containing the B<-N unit for all-polymer solar cells with 14% efficiency. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 21071-21077	13	7
261	Through-space charge transfer dendrimers employing oxygen-bridged triarylboron acceptors for efficient deep-blue electroluminescence. <i>Chemical Communications</i> , 2021 , 57, 7144-7147	5.8	5
260	Organic solar cells based on small molecule donors and polymer acceptors operating at 150 °C. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10983-10988	13	17
259	High-Performance Solution-Processed Red Thermally Activated Delayed Fluorescence OLEDs Employing Aggregation-Induced Emission-Active Triazatruxene-Based Emitters. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 30652-30658	9.5	29
258	Effect of polymer donor aggregation on the active layer morphology of amorphous polymer acceptor-based all-polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 5613-5619	7.1	8
257	Single White-Emitting Polymers with High Efficiency, Low Roll-Off, and Enhanced Device Stability by Using Through-Space Charge Transfer Polymer with Blue Delayed Fluorescence as Host for Yellow Phosphor. <i>Advanced Optical Materials</i> , 2020 , 8, 1902100	8.1	13
256	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1803-1915	7.8	70
255	B <- N Unit Enables n-Doping of Conjugated Polymers for Thermoelectric Application. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 10428-10433	9.5	25
254	Improving Active Layer Morphology of All-Polymer Solar Cells by Solution Temperature. <i>Macromolecules</i> , 2020 , 53, 3325-3331	5.5	31
253	Trap-Controlled White Electroluminescence From a Single Red-Emitting Thermally Activated Delayed Fluorescence Polymer. <i>Frontiers in Chemistry</i> , 2020 , 8, 287	5	2
252	Through-space charge transfer blue polymers containing acridan donor and oxygen-bridged triphenylboron acceptor for highly efficient solution-processed organic light-emitting diodes. <i>Science China Chemistry</i> , 2020 , 63, 1112-1120	7.9	25
251	An efficient star-shaped fused-ring electron acceptor with C _{3h} -symmetric core via thieno[3,2-b]thiophene extending conjugation strategy. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 3328-3337	7.8	6
250	Solid-State Fluorescence Enhancement of Bromine-Substituted Trans-Enaminone Derivatives. <i>Organic Materials</i> , 2020 , 02, 033-040	1.9	1
249	Molecular Acceptors Based on a Triarylborane Core Unit for Organic Solar Cells. <i>Chemistry - A European Journal</i> , 2020 , 26, 873-880	4.8	13

248	Bridging Small Molecules to Conjugated Polymers: Efficient Thermally Activated Delayed Fluorescence with a Methyl-Substituted Phenylene Linker. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1320-1326	16.4	42
247	A Conjugated Polymer Containing a B <- N Unit for Unipolar n-Type Organic Field-Effect Transistors. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 19-25	4.3	17
246	Bridging Small Molecules to Conjugated Polymers: Efficient Thermally Activated Delayed Fluorescence with a Methyl-Substituted Phenylene Linker. <i>Angewandte Chemie</i> , 2020 , 132, 1336-1342	3.6	11
245	Oligo(ethylene glycol) as side chains of conjugated polymers for optoelectronic applications. <i>Polymer Chemistry</i> , 2020 , 11, 1261-1270	4.9	43
244	Cyclohexane-cored dendritic host materials with high triplet energy for efficient solution-processed blue thermally activated delayed fluorescence OLEDs. <i>Dyes and Pigments</i> , 2020 , 174, 108097	4.6	5
243	Indenofluorene- and carbazole-based copolymers for blue PLEDs with simultaneous high efficiency and good color purity. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 14819-14825	7.1	5
242	Recent development of n-type thermoelectric materials based on conjugated polymers. <i>Nano Materials Science</i> , 2020 ,	10.2	9
241	Room-temperature phosphorescence from a purely organic tetraphenylmethane derivative with formyl groups in both solution and crystalline states. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 14360-14364	7.1	7
240	Donor-Acceptor type conjugated copolymers based on alternating BNPB and oligothiophene units: from electron acceptor to electron donor and from amorphous to semicrystalline. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 20998-21006	13	11
239	Through-Space Charge-Transfer Polynorbornenes with Fixed and Controllable Spatial Alignment of Donor and Acceptor for High-Efficiency Blue Thermally Activated Delayed Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20174-20182	16.4	48
238	Polymer Acceptors Containing B<-N Units for Organic Photovoltaics. <i>Accounts of Chemical Research</i> , 2020 , 53, 1557-1567	24.3	91
237	Meta Junction Promoting Efficient Thermally Activated Delayed Fluorescence in Donor-Acceptor Conjugated Polymers. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17903-17909	16.4	24
236	BODIPY bearing alkylthienyl side chains: a new building block to design conjugated polymers with near infrared absorption for organic photovoltaics. <i>Polymer Chemistry</i> , 2020 , 11, 5750-5756	4.9	6
235	Through-Space Charge-Transfer Polynorbornenes with Fixed and Controllable Spatial Alignment of Donor and Acceptor for High-Efficiency Blue Thermally Activated Delayed Fluorescence. <i>Angewandte Chemie</i> , 2020 , 132, 20349-20357	3.6	9
234	Meta Junction Promoting Efficient Thermally Activated Delayed Fluorescence in Donor-Acceptor Conjugated Polymers. <i>Angewandte Chemie</i> , 2020 , 132, 18059-18065	3.6	6
233	Panchromatic Organoboron Molecules with Tunable Absorption Spectra. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 3314-3320	4.5	1
232	A high molecular weight organometallic conjugated polymer incorporated with Hg(ii). <i>Chemical Communications</i> , 2020 , 56, 5701-5704	5.8	2
231	Through-space charge transfer polymers for solution-processed organic light-emitting diodes. <i>Aggregate</i> , 2020 , 1, 45-56	22.9	30

230	Dendritic host materials with non-conjugated adamantane cores for efficient solution-processed blue thermally activated delayed fluorescence OLEDs. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 11845-11850	7.1	12
229	Amorphous Polymer Acceptor Containing B <- N Units Matches Various Polymer Donors for All-Polymer Solar Cells. <i>Macromolecules</i> , 2019 , 52, 7081-7088	5.5	30
228	Solution-Processible Blue Fluorescent Dendrimers with Carbazole/Diphenylamine Hybrid Dendrons for Power-Efficient Organic Light-Emitting Diodes. <i>ACS Omega</i> , 2019 , 4, 15923-15928	3.9	4
227	Through-space charge transfer hexaarylbenzene dendrimers with thermally activated delayed fluorescence and aggregation-induced emission for efficient solution-processed OLEDs. <i>Chemical Science</i> , 2019 , 10, 2915-2923	9.4	85
226	Achieving Deep-Blue Thermally Activated Delayed Fluorescence in Nondoped Organic Light-Emitting Diodes through a Spiro-Blocking Strategy. <i>ACS Omega</i> , 2019 , 4, 1861-1867	3.9	22
225	An arylphosphine oxide and phosphonate combination as a solution processable electron injection layer for power-efficient PLEDs. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2633-2639	7.1	3
224	Water-soluble pH neutral triazatruxene-based small molecules as hole injection materials for solution-processable organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 7900-7905	7.1	4
223	A p- π conjugated triarylborane as an alcohol-processable n-type semiconductor for organic optoelectronic devices. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 7427-7432	7.1	29
222	Teaching an Old Poly(arylene ether) New Tricks: Efficient Blue Thermally Activated Delayed Fluorescence. <i>IScience</i> , 2019 , 15, 147-155	6.1	28
221	Effect of fluorine substitution in organoboron electron acceptors for photovoltaic application. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 1996-2003	5.2	8
220	Efficient Red Phosphorescent Polymers with Trap-Assisted Charge Balance: Molecular Design, Synthesis, and Electroluminescent Properties. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 18730-18738	8.5	3
219	Developing Through-Space Charge Transfer Polymers as a General Approach to Realize Full-Color and White Emission with Thermally Activated Delayed Fluorescence. <i>Angewandte Chemie</i> , 2019 , 131, 8493	3.6	1
218	Bipolar Poly(arylene phosphine oxide) Hosts with Widely Tunable Triplet Energy Levels for High-Efficiency Blue, Green, and Red Thermally Activated Delayed Fluorescence Polymer Light-Emitting Diodes. <i>Macromolecules</i> , 2019 , 52, 3394-3403	5.5	17
217	Improving Active Layer Morphology of All-Polymer Solar Cells by Dissolving the Two Polymers Individually. <i>Macromolecules</i> , 2019 , 52, 2402-2410	5.5	35
216	Developing Through-Space Charge Transfer Polymers as a General Approach to Realize Full-Color and White Emission with Thermally Activated Delayed Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8405-8409	16.4	119
215	Double Emitting Layer Based Solution Processed WOLEDs Simultaneously with High Power Efficiency and Good Color Stability. <i>Advanced Materials Technologies</i> , 2019 , 4, 1900137	6.8	4
214	Star-shaped small molecule acceptors with a subphthalocyanine core for solution-processed non-fullerene solar cells. <i>Dyes and Pigments</i> , 2019 , 160, 243-251	4.6	15
213	Morphology of small molecular donor/polymer acceptor blends in organic solar cells: effect of the blocking capability of the small molecular donors. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 10521-10529	7.1	10

212	A new building block with intramolecular D-A character for conjugated polymers: ladder structure based on B<-N unit. <i>Science China Chemistry</i> , 2019 , 62, 1387-1392	7.9	12
211	Star-Shaped Fused-Ring Electron Acceptors with a π -Symmetric and Electron-Rich Benzotri(cyclopentadithiophene) Core for Efficient Nonfullerene Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 28115-28124	9.5	13
210	Triazatruxene-based thermally activated delayed fluorescence small molecules with aggregation-induced emission properties for solution-processable nondoped OLEDs with low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 9719-9725	7.1	15
209	Efficient and thermally stable organic solar cells based on small molecule donor and polymer acceptor. <i>Nature Communications</i> , 2019 , 10, 3271	17.4	64
208	Solution processible triphenylphosphine-oxide-cored dendritic hosts featuring thermally activated delayed fluorescence for power-efficient blue electrophosphorescent devices. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 9850-9855	7.1	2
207	Small Molecular Donor/Polymer Acceptor Type Organic Solar Cells: Effect of Molecular Weight on Active Layer Morphology. <i>Macromolecules</i> , 2019 , 52, 8682-8689	5.5	21
206	An Organoboron Compound with a Thienyl Substituent as an Electron Acceptor for Organic Solar Cells. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2019 , 35, 251-256	3.8	5
205	A disk-type polyarene containing four B<-N units. <i>Chemical Communications</i> , 2019 , 55, 3638-3641	5.8	15
204	Solution processible imidazole-based iridium dendrimers with oligocarbazole for nondoped phosphorescent OLEDs. <i>Organic Electronics</i> , 2019 , 68, 193-199	3.5	4
203	Aggregation-Induced Emission of Highly Planar Enaminone Derivatives: Unexpected Fluorescence Enhancement by Bromine Substitution. <i>Advanced Optical Materials</i> , 2019 , 7, 1801719	8.1	8
202	Synthesis and Electroluminescent Properties of Through-Space Charge Transfer Polymers Containing Acridan Donor and Triarylboron Acceptors. <i>Frontiers in Chemistry</i> , 2019 , 7, 854	5	13
201	Small-Molecule Donor/Polymer Acceptor Type Organic Solar Cells: Effect of Terminal Groups of Small-Molecule Donors. <i>Organic Materials</i> , 2019 , 01, 088-094	1.9	4
200	Star-Shaped and Fused Electron Acceptors based on C ₃ -Symmetric Coplanar Trindeno[1, 2-b: 4, 5-b': 7, 8-b'']trithiophene Core for Non-Fullerene Solar Cells. <i>Chemistry - A European Journal</i> , 2019 , 25, 1055-1063	4.8	6
199	Polymer Electron Acceptors Based on Fluorinated Isoindigo Unit for Polymer Solar Cells. <i>Chinese Journal of Chemistry</i> , 2018 , 36, 411-416	4.9	7
198	A homopolymer based on double B ? N bridged bipyridine as electron acceptor for all-polymer solar cells. <i>Chinese Chemical Letters</i> , 2018 , 29, 1343-1346	8.1	18
197	Highly Efficient Phosphorescent Furo[3,2-c]pyridine Based Iridium Complexes with Tunable Emission Colors over the Whole Visible Range. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1888-1898	9.5	36
196	n-Type Azaacenes Containing B<-N Units. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2000-2004	6.4	60
195	π -Conjugated Polymers Based on Stable Triarylborane with n-Type Behavior in Optoelectronic Devices. <i>Angewandte Chemie</i> , 2018 , 130, 2205-2209	3.6	33

194	n-Type Azaacenes Containing B<-N Units. <i>Angewandte Chemie</i> , 2018 , 130, 2018-2022	3.6	13
193	p- π -Conjugated Polymers Based on Stable Triarylborane with n-Type Behavior in Optoelectronic Devices. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2183-2187	16.4	79
192	Deep-blue emitting poly(2,3,6,7-tetraoctyl-2,7-spirosilabifluorene) simultaneously with good color purity and high external quantum efficiency. <i>Organic Electronics</i> , 2018 , 59, 77-83	3.5	12
191	A New Polymer Electron Acceptor Based on Thiophene-S,S-dioxide Unit for Organic Photovoltaics. <i>Macromolecular Rapid Communications</i> , 2018 , 39, 1700505	4.8	10
190	Deep-blue emitting poly[spiro(dibenzoazasiline-10,9-silafluorene)] for power-efficient PLEDs. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 9599-9606	7.1	19
189	High-Energy-Level Blue Phosphor for Solution-Processed White Organic Light-Emitting Diodes with Efficiency Comparable to Fluorescent Tubes. <i>iScience</i> , 2018 , 6, 128-137	6.1	34
188	Effects of the Substituents of Boron Atoms on Conjugated Polymers Containing B<-N Units. <i>Chemistry - A European Journal</i> , 2018 , 24, 13043-13048	4.8	18
187	Subphthalocyanine-cored star-shaped electron acceptors with perylene diimide wings for non-fullerene solar cells. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7141-7148	7.1	11
186	An A-D-A'-D-A type small molecule acceptor with a broad absorption spectrum for organic solar cells. <i>Chemical Communications</i> , 2018 , 54, 303-306	5.8	39
185	Solution processible distyrylarylene-based fluorescent dendrimers: Tuning of carbazole-dendron generation leads to nondoped deep-blue electroluminescence. <i>Organic Electronics</i> , 2018 , 53, 43-49	3.5	9
184	26.2: Invited Paper: Electroluminescent Polymers for Solution-processed PLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 279-279	0.5	
183	An AD ₂ D ₂ A type small molecule acceptor with wide absorption spectrum and near-infrared absorption. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 2333-2339	7.8	13
182	Triazatruxene-based small molecules with thermally activated delayed fluorescence, aggregation-induced emission and mechanochromic luminescence properties for solution-processable nondoped OLEDs. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12503-12508	7.1	41
181	Multinuclear Iridium Complex Encapsulated by Oligocarbazole Dendrons for Enhanced Nondoped Device Efficiency. <i>ACS Omega</i> , 2018 , 3, 15308-15314	3.9	4
180	Red-Emitting Thermally Activated Delayed Fluorescence Polymers with Poly(fluorene-co-3,3'-dimethyl diphenyl ether) as the Backbone. <i>Macromolecules</i> , 2018 , 51, 9933-9942	5.5	28
179	Tetranuclear Iridium Complex with a Self-Host Feature for High-Efficiency Nondoped Phosphorescent Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 32365-32372 ¹³	9.5	13
178	Realization of high-power-efficiency white electroluminescence from a single polymer by energy-level engineering. <i>Chemical Science</i> , 2018 , 9, 8656-8664	9.4	22
177	Manipulating active layer morphology of molecular donor/polymer acceptor based organic solar cells through ternary blends. <i>Science China Chemistry</i> , 2018 , 61, 1025-1033	7.9	16

176	Electron-transporting polymers based on a double B<-N bridged bipyridine (BNBP) unit. <i>Chemical Communications</i> , 2017 , 53, 1649-1652	5.8	31
175	Polymer Electron Acceptors Based on Iso-Naphthalene Diimide Unit with High LUMO Levels. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1600606	2.6	9
174	Solution-Processable Hyperbranched Conjugated Polymer Nanoparticles Based on C-Symmetric Benzotrithiophene for Polymer Solar Cells. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700001	4.8	8
173	Inkjet printed polystyrene sulfuric acid-doped poly(3,4-ethylenedioxythiophene) (PEDOT) uniform thickness films in confined grooves through decreasing the surface tension of PEDOT inks. <i>RSC Advances</i> , 2017 , 7, 7725-7733	3.7	13
172	An oligocarbazole-encapsulated heteroleptic red iridium complex for solution-processed nondoped phosphorescent organic light-emitting diodes with over 10% external quantum efficiency. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5749-5756	7.1	31
171	Polymer Electron Acceptors with Conjugated Side Chains for Improved Photovoltaic Performance. <i>Macromolecules</i> , 2017 , 50, 3171-3178	5.5	33
170	Solution-processed multilayer green electrophosphorescent devices with self-host iridium dendrimers as the nondoped emitting layer: achieving high efficiency while avoiding redissolution-induced batch-to-batch variation. <i>Chemical Communications</i> , 2017 , 53, 5128-5131	5.8	34
169	Conjugated polymers containing B<-N unit as electron acceptors for all-polymer solar cells. <i>Science China Chemistry</i> , 2017 , 60, 450-459	7.9	96
168	Organic solar cells based on a polymer acceptor and a small molecule donor with a high open-circuit voltage. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6812-6819	7.1	20
167	Water-dispersible hyperbranched conjugated polymer nanoparticles with sulfonate terminal groups for amplified fluorescence sensing of trace TNT in aqueous solution. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 1875-1880	7.8	19
166	A New Electron-Rich Unit for Polymer Electron Acceptors: 4,4-Difluoro-4H-cyclopenta[2,1-b:3,4-b']dithiophene. <i>Chemistry - A European Journal</i> , 2017 , 23, 9486-9490	4.8	21
165	Fluorescence fiber-optic turn-on detection of trace hydrazine vapor with dicyanovinyl-functionalized triazatruxene-based hyperbranched conjugated polymer nanoparticles. <i>Polymer Chemistry</i> , 2017 , 8, 2484-2489	4.9	11
164	Highly emissive carbazole-functionalized homopoly(spirobifluorene) for deep-blue polymer light-emitting diodes. <i>Polymer Chemistry</i> , 2017 , 8, 2182-2188	4.9	23
163	Polymer solar cells with open-circuit voltage of 1.3 V using polymer electron acceptor with high LUMO level. <i>Nano Energy</i> , 2017 , 32, 216-224	17.1	43
162	Fine-Tuning LUMO Energy Levels of Conjugated Polymers Containing a B<-N Unit. <i>Macromolecules</i> , 2017 , 50, 8521-8528	5.5	36
161	Improving the Power Efficiency of Solution-Processed Phosphorescent WOLEDs with a Self-Host Blue Iridium Dendrimer. <i>Advanced Optical Materials</i> , 2017 , 5, 1700514	8.1	16
160	An organoboron compound with a wide absorption spectrum for solar cell applications. <i>Chemical Communications</i> , 2017 , 53, 12213-12216	5.8	37
159	Efficient Blue, Green, and Red Electroluminescence from Carbazole-Functionalized Poly(spirobifluorene)s. <i>Macromolecules</i> , 2017 , 50, 6945-6953	5.5	35

158	Solution processable red iridium dendrimers containing oligocarbazole dendrons for efficient nondoped and doped phosphorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 9753-9760	7.1	33
157	A novel furo[3,2-c]pyridine-based iridium complex for high-performance organic light-emitting diodes with over 30% external quantum efficiency. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10122-10125	7.1	19
156	A polymer electron donor based on isoindigo units bearing branched oligo(ethylene glycol) side chains for polymer solar cells. <i>Polymer Chemistry</i> , 2017 , 8, 5496-5503	4.9	20
155	Blue Thermally Activated Delayed Fluorescence Polymers with Nonconjugated Backbone and Through-Space Charge Transfer Effect. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17739-17742	16.4	223
154	Methoxyl modification in furo[3,2-c]pyridine-based iridium complexes towards highly efficient green- and orange-emitting electrophosphorescent devices. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 12221-12227	7.1	12
153	A double B<-N bridged bipyridine (BNBP)-based polymer electron acceptor: all-polymer solar cells with a high donor : acceptor blend ratio. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 852-858	7.8	24
152	Dendron engineering in self-host blue iridium dendrimers towards low-voltage-driving and power-efficient nondoped electrophosphorescent devices. <i>Chemical Communications</i> , 2016 , 53, 180-183	5.8	47
151	Single molecular tuning of the charge balance in blue-emitting iridium dendrimers for efficient nondoped solution-processed phosphorescent OLEDs. <i>Chemical Communications</i> , 2016 , 52, 11508-11511	5.8	32
150	An alcohol-soluble and ion-free electron transporting material functionalized with phosphonate groups for solution-processed multilayer PLEDs. <i>Chemical Communications</i> , 2016 , 52, 12052-12055	5.8	9
149	Fullerene Adducts Bearing Cyano Moiety for Both High Dielectric Constant and Good Active Layer Morphology of Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2016 , 26, 6107-6113	15.6	32
148	Self-Host Blue-Emitting Iridium Dendrimer Containing Bipolar Dendrons for Nondoped Electrophosphorescent Devices with Superior High-Brightness Performance. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 29600-29607	9.5	39
147	Polymer Acceptor Based on B<-N Units with Enhanced Electron Mobility for Efficient All-Polymer Solar Cells. <i>Angewandte Chemie</i> , 2016 , 128, 5399-5403	3.6	46
146	An Electron-Deficient Building Block Based on the B<-N Unit: An Electron Acceptor for All-Polymer Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1436-40	16.4	186
145	Fiber-optic detection of nitroaromatic explosives with solution-processable triazatruxene-based hyperbranched conjugated polymer nanoparticles. <i>Polymer Chemistry</i> , 2016 , 7, 4542-4548	4.9	13
144	A polymer acceptor with an optimal LUMO energy level for all-polymer solar cells. <i>Chemical Science</i> , 2016 , 7, 6197-6202	9.4	78
143	Polymer Acceptor Based on Double B<-N Bridged Bipyridine (BNBP) Unit for High-Efficiency All-Polymer Solar Cells. <i>Advanced Materials</i> , 2016 , 28, 6504-8	24	252
142	Titelbild: Diketopyrrolopyrrole-based Conjugated Polymers Bearing Branched Oligo(Ethylene Glycol) Side Chains for Photovoltaic Devices (Angew. Chem. 35/2016). <i>Angewandte Chemie</i> , 2016 , 128, 10307-10307	3.6	
141	Diketopyrrolopyrrole-based Conjugated Polymers Bearing Branched Oligo(Ethylene Glycol) Side Chains for Photovoltaic Devices. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10376-80	16.4	95

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139	Diketopyrrolopyrrole-based Conjugated Polymers Bearing Branched Oligo(Ethylene Glycol) Side Chains for Photovoltaic Devices. <i>Angewandte Chemie</i> , 2016 , 128, 10532-10536	3.6	12
138	Polymer Acceptor Based on B<-N Units with Enhanced Electron Mobility for Efficient All-Polymer Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5313-7	16.4	189
137	A Bromo-Functionalized Conjugated Polymer as a Cross-Linkable Anode Interlayer of Polymer Solar Cells. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 1218-22	4.5	1
136	A Cross-Linkable Donor Polymer as the Underlying Layer to Tune the Active Layer Morphology of Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2016 , 26, 226-232	15.6	34
135	Self-host yellow iridium dendrimers based on carbazole dendrons: synthesis, characterization and application in solution-processed organic light-emitting diodes. <i>Science China Chemistry</i> , 2016 , 59, 1593-1599	7.0	5
134	Star-shaped triazatruxene derivatives for rapid fluorescence fiber-optic detection of nitroaromatic explosive vapors. <i>RSC Advances</i> , 2016 , 6, 31915-31918	3.7	19
133	Low-bandgap polymer electron acceptors based on double B <- N bridged bipyridine (BNBP) and diketopyrrolopyrrole (DPP) units for all-polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9961-9967	7.1	38
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131	Stable and efficient deep-blue terfluorenes functionalized with carbazole dendrons for solution-processed organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8895-8903	7.1	37
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129	A binary solvent mixture-induced aggregation of a carbazole dendrimer host toward enhancing the performance of solution-processed blue electrophosphorescent devices. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5050-5055	7.1	10
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124	Phosphonated conjugated polymers for polymer solar cells with a non-halogenated solvent process. <i>Polymer Chemistry</i> , 2015 , 6, 805-812	4.9	22
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29	Green light-emitting polyfluorenes with improved color purity incorporated with 4,7-diphenyl-2,1,3-benzothiadiazole moieties. <i>Journal of Materials Chemistry</i> , 2007 , 17, 2832		48
28	Fluorescent Conjugated Polymer-Stabilized Gold Nanoparticles for Sensitive and Selective Detection of Cysteine. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 13414-13417	3.8	98
27	Synthesis and characterization of white-light-emitting polyfluorenes containing orange phosphorescent moieties in the side chain. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 1746-1757	2.5	55
26	Luminescent supramolecular polymers: Cd ²⁺ -directed polymerization and properties. <i>Polymer International</i> , 2007 , 56, 648-654	3.3	19
25	Highly efficient green light emitting polyfluorene incorporated with 4-diphenylamino-1,8-naphthalimide as green dopant. <i>Journal of Materials Chemistry</i> , 2006 , 16, 1431		64
24	Phenylene vinylene-based electroluminescent polymers with electron transport block in the main chain. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 3469-3478	2.5	11
23	Synthesis, Crystal Structure, Spectroscopy and Electroluminescence of Zinc(II) Complexes Containing Bidentate 2-(2-pyridyl)quinoline Derivative Ligands. <i>Transition Metal Chemistry</i> , 2006 , 31, 639-644	2.1	14
22	Highly efficient phosphorescent bis-cyclometalated iridium complexes based on quinoline ligands. <i>Synthetic Metals</i> , 2005 , 155, 539-548	3.6	64
21	Novel Polyphenylenes Containing Phenol-Substituted Oxadiazole Moieties as Fluorescent Chemosensors for Fluoride Ion. <i>Macromolecules</i> , 2005 , 38, 2148-2153	5.5	91
20	Novel thiophene-aryl co-oligomers for organic thin film transistors. <i>Journal of Materials Chemistry</i> , 2005 , 15, 3026		65
19	White electroluminescence from polyfluorene chemically doped with 1,8-naphthalimide moieties. <i>Applied Physics Letters</i> , 2004 , 85, 2172-2174	3.4	136
18	Crosslinkable poly(p-phenylenevinylene) derivative. <i>Journal of Polymer Science Part A</i> , 2004 , 42, 2124-2129		17
17	Soluble, saturated-red-light-emitting poly(p-phenylenevinylene) containing triphenylamine units and cyano groups. <i>Journal of Polymer Science Part A</i> , 2004 , 42, 3947-3953	2.5	20
16	Novel Soluble N-Phenyl-Carbazole-Containing PPVs for Light-Emitting Devices: Synthesis, Electrochemical, Optical, and Electroluminescent Properties. <i>Macromolecular Chemistry and Physics</i> , 2004 , 205, 247-255	2.6	35
15	Novel hole-transporting materials based on 1,4-bis(carbazolyl)benzene for organic light-emitting devices. <i>Journal of Materials Chemistry</i> , 2004 , 14, 895		148

14	Oxadiazole-Functionalized Europium(III) β -Diketonate Complex for Efficient Red Electroluminescence. <i>Chemistry of Materials</i> , 2003 , 15, 1935-1937	9.6	153
13	Synthesis, characterization, photoluminescent and electroluminescent properties of new conjugated 2,2'-(arylene-divinylene)bis-8-substituted quinolines. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1392-1399		25
12	A hydroxyphenyloxadiazole lithium complex as a highly efficient blue emitter and interface material in organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2003 , 13, 2922		20
11	Polymer light-emitting diodes based on a bipolar transporting luminescent polymer. <i>Journal of Materials Chemistry</i> , 2003 , 13, 773-777		30
10	Novel bipolar light-emitting copolymer containing triazole and triphenylamine moieties. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 1122-1126	2.5	17
9	Synthesis of novel nitrogen- and sulfur-containing conjugated polymers used as hole-transporting materials for organic light-emitting diodes. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 1321-1333	2.5	4
8	Oxadiazole-containing material with intense blue phosphorescence emission for organic light-emitting diodes. <i>Applied Physics Letters</i> , 2002 , 81, 4-6	3.4	62
7	Design, synthesis and characterization of novel nitrogen- and sulfur-containing polymers with well-defined conjugated length. <i>Journal of Materials Chemistry</i> , 2002 , 12, 181-187		5
6	Synthesis and characterization of alternating copolymers containing triphenylamine as hole-transporting units. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 3278-3286	2.5	21
5	Poly(phenylene sulfide)-tetraaniline: The Soluble Conducting Polyaniline Analogue with Well-Defined Structures. <i>Macromolecules</i> , 2001 , 34, 8453-8455	5.5	27
4	Effect of configuration and conformation on the spin multiplicity in xylylene type biradicals. <i>Science in China Series B: Chemistry</i> , 2000 , 43, 524-530		9
3	Highly efficient solution-processed thermally activated delayed fluorescence emitter based on a fused difluoroboron ketoiminate acceptor: C/N switch to realize the effective modulation of luminescence behavior. <i>Journal of Materials Chemistry C</i> ,	7.1	2
2	An n-Type All-Fused-Ring Molecule with Narrow Bandgap. <i>CCS Chemistry</i> , 1-11	7.2	1
1	Modulation of triplet-mediated emission from selenoxanthene-9-one-based DAD type emitters through tuning the twist angle to realize electroluminescence efficiency over 25%. <i>Journal of Materials Chemistry C</i> ,	7.1	2