Lixiang Wang

List of Publications by Citations

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	High-efficiency single emissive layer white organic light-emitting diodes based on solution-processed dendritic host and new orange-emitting iridium complex. *Advanced Materials*, **2012**, 24, 1873-7	24	321
300	Polymer Acceptor Based on Double B<-N Bridged Bipyridine (BNBP) Unit for High-Efficiency All-Polymer Solar Cells. *Advanced Materials*, **2016**, 28, 6504-8	24	252
299	Blue Thermally Activated Delayed Fluorescence Polymers with Nonconjugated Backbone and Through-Space Charge Transfer Effect. *Journal of the American Chemical Society*, **2017**, 139, 17739-17742	16.4	223
298	Metallophosphors of platinum with distinct main-group elements: a versatile approach towards color tuning and white-light emission with superior efficiency/color quality/brightness trade-offs. *Journal of Materials Chemistry*, **2010**, 20, 7472		199
297	Polymer Acceptor Based on B<-N Units with Enhanced Electron Mobility for Efficient All-Polymer Solar Cells. *Angewandte Chemie - International Edition*, **2016**, 55, 5313-7	16.4	189
296	An Electron-Deficient Building Block Based on the B<-N Unit: An Electron Acceptor for All-Polymer Solar Cells. *Angewandte Chemie - International Edition*, **2016**, 55, 1436-40	16.4	186
295	Developing conjugated polymers with high electron affinity by replacing a C-C unit with a B<-N unit. *Angewandte Chemie - International Edition*, **2015**, 54, 3648-52	16.4	174
294	Self-host blue-emitting iridium dendrimer with carbazole dendrons: nondoped phosphorescent organic light-emitting diodes. *Angewandte Chemie - International Edition*, **2014**, 53, 1048-52	16.4	171
293	Oxadiazole-Functionalized Europium(III) Diketonate Complex for Efficient Red Electroluminescence. *Chemistry of Materials*, **2003**, 15, 1935-1937	9.6	153
292	Novel hole-transporting materials based on 1,4-bis(carbazolyl)benzene for organic light-emitting devices. *Journal of Materials Chemistry*, **2004**, 14, 895		148
291	A divergent synthesis of very large polyphenylene dendrimers with iridium(III) cores: molecular size effect on the performance of phosphorescent organic light-emitting diodes. *Journal of the American Chemical Society*, **2009**, 131, 14329-36	16.4	136
290	White electroluminescence from polyfluorene chemically doped with 1,8-napthalimide moieties. *Applied Physics Letters*, **2004**, 85, 2172-2174	3.4	136
289	Solution-Processible Red Iridium Dendrimers based on Oligocarbazole Host Dendrons: Synthesis, Properties, and their Applications in Organic Light-Emitting Diodes. *Advanced Functional Materials*, **2008**, 18, 2754-2762	15.6	135
288	Solution-processable carbazole-based conjugated dendritic hosts for power-efficient blue-electrophosphorescent devices. *Advanced Materials*, **2009**, 21, 4983-4986	24	133
287	White electroluminescence from all-phosphorescent single polymers on a fluorinated poly(arylene ether phosphine oxide) backbone simultaneously grafted with blue and yellow phosphors. *Journal of the American Chemical Society*, **2012**, 134, 20290-3	16.4	128
286	Bifunctional green iridium dendrimers with a "self-host" feature for highly efficient nondoped electrophosphorescent devices. *Angewandte Chemie - International Edition*, **2009**, 48, 6664-6	16.4	127
285	Design of star-shaped molecular architectures based on carbazole and phosphine oxide moieties: towards amorphous bipolar hosts with high triplet energy for efficient blue electrophosphorescent devices. *Journal of Materials Chemistry*, **2010**, 20, 8126		121

284	Developing Through-Space Charge Transfer Polymers as a General Approach to Realize Full-Color and White Emission with Thermally Activated Delayed Fluorescence. *Angewandte Chemie - International Edition*, **2019**, 58, 8405-8409	16.4	119
283	Replacing Alkyl with Oligo(ethylene glycol) as Side Chains of Conjugated Polymers for Close Stacking. *Macromolecules*, **2015**, 48, 4357-4363	5.5	119
282	White Electroluminescence from a Star-like Polymer with an Orange Emissive Core and Four Blue Emissive Arms. *Advanced Materials*, **2008**, 20, 1357-1362	24	113
281	Multifunctional metallophosphors with anti-triplet triplet annihilation properties for solution-processable electroluminescent devices. *Journal of Materials Chemistry*, **2008**, 18, 1799		106
280	A novel, bipolar polymeric host for highly efficient blue electrophosphorescence: a non-conjugated poly(aryl ether) containing triphenylphosphine oxide units in the electron-transporting main chain and carbazole units in hole-transporting side chains. *Advanced Materials*, **2011**, 23, 3570-4	24	102
279	Fluorescent Conjugated Polymer-Stabilized Gold Nanoparticles for Sensitive and Selective Detection of Cysteine. *Journal of Physical Chemistry C*, **2007**, 111, 13414-13417	3.8	98
278	Solution-Processed Phosphorescent Organic Light-Emitting Diodes with Ultralow Driving Voltage and Very High Power Efficiency. *Scientific Reports*, **2015**, 5, 12487	4.9	97
277	Conjugated polymers containing B<-N unit as electron acceptors for all-polymer solar cells. *Science China Chemistry*, **2017**, 60, 450-459	7.9	96
276	Highly Selective and Sensitive Detection of Cyanide by a Reaction-Based Conjugated Polymer Chemosensor. *Macromolecules*, **2011**, 44, 4241-4248	5.5	95
275	Diketopyrrolopyrrole-based Conjugated Polymers Bearing Branched Oligo(Ethylene Glycol) Side Chains for Photovoltaic Devices. *Angewandte Chemie - International Edition*, **2016**, 55, 10376-80	16.4	95
274	Novel Polyphenylenes Containing Phenol-Substituted Oxadiazole Moieties as Fluorescent Chemosensors for Fluoride Ion. *Macromolecules*, **2005**, 38, 2148-2153	5.5	91
273	Polymer Acceptors Containing B<-N Units for Organic Photovoltaics. *Accounts of Chemical Research*, **2020**, 53, 1557-1567	24.3	91
272	Through-space charge transfer hexaarylbenzene dendrimers with thermally activated delayed fluorescence and aggregation-induced emission for efficient solution-processed OLEDs. *Chemical Science*, **2019**, 10, 2915-2923	9.4	85
271	Platinum(II)-bis(aryleneethynylene) complexes for solution-processible molecular bulk heterojunction solar cells. *Chemistry - A European Journal*, **2012**, 18, 1502-11	4.8	85
270	Highly efficient blue electrophosphorescent polymers with fluorinated poly(arylene ether phosphine oxide) as Backbone. *Journal of the American Chemical Society*, **2012**, 134, 15189-92	16.4	85
269	High-Performance All-Polymer White-Light-Emitting Diodes Using Polyfluorene Containing Phosphonate Groups as an Efficient Electron-Injection Layer. *Advanced Functional Materials*, **2010**, 20, 2951-2957	15.6	83
268	p- Conjugated Polymers Based on Stable Triarylborane with n-Type Behavior in Optoelectronic Devices. *Angewandte Chemie - International Edition*, **2018**, 57, 2183-2187	16.4	79
267	A polymer acceptor with an optimal LUMO energy level for all-polymer solar cells. *Chemical Science*, **2016**, 7, 6197-6202	9.4	78

266	A versatile color tuning strategy for iridium(III) and platinum(II) electrophosphors by shifting the charge-transfer states with an electron-deficient core. *Journal of Materials Chemistry*, **2009**, 19, 1872		76
265	High power efficiency tandem organic light-emitting diodes based on bulk heterojunction organic bipolar charge generation layer. *Applied Physics Letters*, **2011**, 98, 243309	3.4	71
264	Advanced functional polymer materials. *Materials Chemistry Frontiers*, **2020**, 4, 1803-1915	7.8	70
263	Solution-dispersed porous hyperbranched conjugated polymer nanoparticles for fluorescent sensing of TNT with enhanced sensitivity. *Polymer Chemistry*, **2014**, 5, 4521	4.9	67
262	Highly efficient single-emitting-layer white organic light-emitting diodes with reduced efficiency roll-off. *Applied Physics Letters*, **2009**, 94, 103503	3.4	67
261	Constructing the nanointerpenetrating structure of PCDTBT:PC70BM bulk heterojunction solar cells induced by aggregation of PC70BM via mixed-solvent vapor annealing. *Journal of Materials Chemistry A*, **2013**, 1, 6216	13	66
260	Novel thiophene-aryl co-oligomers for organic thin film transistors. *Journal of Materials Chemistry*, **2005**, 15, 3026		65
259	Efficient and thermally stable organic solar cells based on small molecule donor and polymer acceptor. *Nature Communications*, **2019**, 10, 3271	17.4	64
258	Highly efficient phosphorescent bis-cyclometalated iridium complexes based on quinoline ligands. *Synthetic Metals*, **2005**, 155, 539-548	3.6	64
257	Highly efficient green light emitting polyfluorene incorporated with 4-diphenylamino-1,8-naphthalimide as green dopant. *Journal of Materials Chemistry*, **2006**, 16, 1431		64
256	Controlling charge balance and exciton recombination by bipolar host in single-layer organic light-emitting diodes. *Journal of Applied Physics*, **2010**, 108, 034508	2.5	63
255	Solution-Processible 2,2?-Dimethyl-biphenyl Cored Carbazole Dendrimers as Universal Hosts for Efficient Blue, Green, and Red Phosphorescent OLEDs. *Advanced Functional Materials*, **2014**, 24, 3413-3421	15.6	62
254	Oxadiazole-containing material with intense blue phosphorescence emission for organic light-emitting diodes. *Applied Physics Letters*, **2002**, 81, 4-6	3.4	62
253	Thiazole-based metallophosphors of iridium with balanced carrier injection/transporting features and their two-colour WOLEDs fabricated by both vacuum deposition and solution processing-vacuum deposition hybrid strategy. *Journal of Materials Chemistry*, **2012**, 22, 7136		61
252	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
251	n-Type Azaacenes Containing B<-N Units. *Angewandte Chemie - International Edition*, **2018**, 57, 2000-2004	16.4	60
250	Red-Emitting Polyfluorenes Grafted with Quinoline-Based Iridium Complex: Simple Polymeric Chain, Unexpected High Efficiency *Advanced Functional Materials*, **2010**, 20, 138-146	15.6	60
249	Synthesis, Light-Emitting, and Two-Photon Absorption Properties of Platinum-Containing Poly(arylene-ethynylene)s Linked by 1,3,4-Oxadiazole Units. *Macromolecules*, **2010**, 43, 7936-7949	5.5	56

248	Efficient Electrophosphorescence from a Platinum Metallopolyyne Featuring a 2,7-Carbazole Chromophore. *Macromolecular Chemistry and Physics*, **2009**, 210, 1786-1798	2.6	55
247	Synthesis and characterization of white-light-emitting polyfluorenes containing orange phosphorescent moieties in the side chain. *Journal of Polymer Science Part A*, **2007**, 45, 1746-1757	2.5	55
246	Pure and Saturated Red Electroluminescent Polyfluorenes with Dopant/Host System and PLED Efficiency/Color Purity Trade-Offs. *Advanced Functional Materials*, **2010**, 20, 3143-3153	15.6	53
245	Enhancement of inverted polymer solar cells with solution-processed ZnO-TiOX composite as cathode buffer layer. *Applied Physics Letters*, **2012**, 100, 213906	3.4	51
244	An Electron-Deficient Building Block Based on the B<-N Unit: An Electron Acceptor for All-Polymer Solar Cells. *Angewandte Chemie*, **2016**, 128, 1458-1462	3.6	49
243	Starburst 4,4?,4??-tris(carbazol-9-yl)-triphenylamine-based deep-blue fluorescent emitters with tunable oligophenyl length for solution-processed undoped organic light-emitting diodes. *Journal of Materials Chemistry C*, **2015**, 3, 861-869	7.1	48
242	Green light-emitting polyfluorenes with improved color purity incorporated with 4,7-diphenyl-2,1,3-benzothiadiazole moieties. *Journal of Materials Chemistry*, **2007**, 17, 2832		48
241	Through-Space Charge-Transfer Polynorbornenes with Fixed and Controllable Spatial Alignment of Donor and Acceptor for High-Efficiency Blue Thermally Activated Delayed Fluorescence. *Angewandte Chemie - International Edition*, **2020**, 59, 20174-20182	16.4	48
240	Dendron engineering in self-host blue iridium dendrimers towards low-voltage-driving and power-efficient nondoped electrophosphorescent devices. *Chemical Communications*, **2016**, 53, 180-183	5.8	47
239	Detection of explosives with porous xerogel film from conjugated carbazole-based dendrimers. *Journal of Materials Chemistry C*, **2013**, 1, 786-792	7.1	47
238	Self-host heteroleptic green iridium dendrimers: achieving efficient non-doped device performance based on a simple molecular structure. *Chemical Communications*, **2011**, 47, 9519-21	5.8	47
237	Polymer Acceptor Based on B<-N Units with Enhanced Electron Mobility for Efficient All-Polymer Solar Cells. *Angewandte Chemie*, **2016**, 128, 5399-5403	3.6	46
236	Facile synthesis of self-host functional iridium dendrimers up to the fourth generation with N-phenylcarbazole-based polyether dendrons for non-doped phosphorescent organic light-emitting diodes. *Polymer Chemistry*, **2015**, 6, 1180-1191	4.9	44
235	Polymer solar cells with open-circuit voltage of 1.3 V using polymer electron acceptor with high LUMO level. *Nano Energy*, **2017**, 32, 216-224	17.1	43
234	Oligo(ethylene glycol) as side chains of conjugated polymers for optoelectronic applications. *Polymer Chemistry*, **2020**, 11, 1261-1270	4.9	43
233	Poly(spirobifluorene)s Containing Nonconjugated Diphenylsulfone Moiety: Toward Blue Emission Through a Weak Charge Transfer Effect. *Macromolecules*, **2014**, 47, 2907-2914	5.5	42
232	Bridging Small Molecules to Conjugated Polymers: Efficient Thermally Activated Delayed Fluorescence with a Methyl-Substituted Phenylene Linker. *Angewandte Chemie - International Edition*, **2020**, 59, 1320-1326	16.4	42
231	Triazatruxene-based small molecules with thermally activated delayed fluorescence, aggregation-induced emission and mechanochromic luminescence properties for solution-processable nondoped OLEDs. *Journal of Materials Chemistry C*, **2018**, 6, 12503-12508	7.1	41

230	Self-Host Blue-Emitting Iridium Dendrimer Containing Bipolar Dendrons for Nondoped Electrophosphorescent Devices with Superior High-Brightness Performance. *ACS Applied Materials & Interfaces*, **2016**, 8, 29600-29607	9.5	39
229	Green electrophosphorescent polymers with poly(3,6-carbazole) as the backbone: a linear structure does realize high efficiency. *Advanced Materials*, **2011**, 23, 3726-9	24	39
228	An A-D-A'-D-A type small molecule acceptor with a broad absorption spectrum for organic solar cells. *Chemical Communications*, **2018**, 54, 303-306	5.8	39
227	Phosphonate-Functionalized Donor Polymer as an Underlying Interlayer To Improve Active Layer Morphology in Polymer Solar Cells. *Macromolecules*, **2014**, 47, 6246-6251	5.5	38
226	Low-bandgap polymer electron acceptors based on double B <- N bridged bipyridine (BNBP) and diketopyrrolopyrrole (DPP) units for all-polymer solar cells. *Journal of Materials Chemistry C*, **2016**, 4, 9961-9967	7.1	38
225	An organoboron compound with a wide absorption spectrum for solar cell applications. *Chemical Communications*, **2017**, 53, 12213-12216	5.8	37
224	Stable and efficient deep-blue terfluorenes functionalized with carbazole dendrons for solution-processed organic light-emitting diodes. *Journal of Materials Chemistry C*, **2015**, 3, 8895-8903	7.1	37
223	Phosphorescent Cuprous Complexes with N,O Ligands Synthesis, Photoluminescence, and Electroluminescence. *European Journal of Inorganic Chemistry*, **2010**, 2010, 4009-4017	2.3	37
222	Fine-Tuning LUMO Energy Levels of Conjugated Polymers Containing a B<-N Unit. *Macromolecules*, **2017**, 50, 8521-8528	5.5	36
221	Highly Efficient Phosphorescent Furo[3,2-c]pyridine Based Iridium Complexes with Tunable Emission Colors over the Whole Visible Range. *ACS Applied Materials & Interfaces*, **2018**, 10, 1888-1896	8.5	36
220	Improving Active Layer Morphology of All-Polymer Solar Cells by Dissolving the Two Polymers Individually. *Macromolecules*, **2019**, 52, 2402-2410	5.5	35
219	Developing Conjugated Polymers with High Electron Affinity by Replacing a C?C Unit with a B<-N Unit. *Angewandte Chemie*, **2015**, 127, 3719-3723	3.6	35
218	Efficient Blue, Green, and Red Electroluminescence from Carbazole-Functionalized Poly(spirobifluorene)s. *Macromolecules*, **2017**, 50, 6945-6953	5.5	35
217	Organic heterojunctions as a charge generation layer in tandem organic light-emitting diodes: the effect of interfacial energy level and charge carrier mobility. *Journal of Materials Chemistry*, **2011**, 21, 15332		35
216	Solvent vapor-induced self assembly and its influence on optoelectronic conversion of poly(3-hexylthiophene): Methanofullerene bulk heterojunction photovoltaic cells. *Journal of Applied Polymer Science*, **2009**, 111, 1799-1804	2.9	35
215	Novel Soluble N-Phenyl-Carbazole-Containing PPVs for Light-Emitting Devices: Synthesis, Electrochemical, Optical, and Electroluminescent Properties. *Macromolecular Chemistry and Physics*, **2004**, 205, 247-255	2.6	35
214	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. *Chemical Communications*, **2017**, 53, 5128-5131	5.8	34
213	High-Energy-Level Blue Phosphor for Solution-Processed White Organic Light-Emitting Diodes with Efficiency Comparable to Fluorescent Tubes. *IScience*, **2018**, 6, 128-137	6.1	34

212	A Cross-Linkable Donor Polymer as the Underlying Layer to Tune the Active Layer Morphology of Polymer Solar Cells. *Advanced Functional Materials*, **2016**, 26, 226-232	15.6	34
211	Polymer Electron Acceptors with Conjugated Side Chains for Improved Photovoltaic Performance. *Macromolecules*, **2017**, 50, 3171-3178	5.5	33
210	p□Conjugated Polymers Based on Stable Triarylborane with n-Type Behavior in Optoelectronic Devices. *Angewandte Chemie*, **2018**, 130, 2205-2209	3.6	33
209	Solution processable red iridium dendrimers containing oligocarbazole dendrons for efficient nondoped and doped phosphorescent OLEDs. *Journal of Materials Chemistry C*, **2017**, 5, 9753-9760	7.1	33
208	White electroluminescent single-polymer achieved by incorporating three polyfluorene blue arms into a star-shaped orange core. *Journal of Polymer Science Part A*, **2012**, 50, 2854-2862	2.5	33
207	Single molecular tuning of the charge balance in blue-emitting iridium dendrimers for efficient nondoped solution-processed phosphorescent OLEDs. *Chemical Communications*, **2016**, 52, 11508-11511	5.8	32
206	Fullerene Adducts Bearing Cyano Moiety for Both High Dielectric Constant and Good Active Layer Morphology of Organic Photovoltaics. *Advanced Functional Materials*, **2016**, 26, 6107-6113	15.6	32
205	Interfacial triplet confinement for achieving efficient solution-processed deep-blue and white electrophosphorescent devices with underestimated poly(N-vinylcarbazole) as the host. *Journal of Materials Chemistry C*, **2013**, 1, 4933	7.1	32
204	Blue electroluminescent polymers with dopant□host systems and molecular dispersion features: polyfluorene as the deep blue host and 1,8-naphthalimide derivative units as the light blue dopants. *Journal of Materials Chemistry*, **2008**, 18, 1659		32
203	Electron-transporting polymers based on a double B<-N bridged bipyridine (BNBP) unit. *Chemical Communications*, **2017**, 53, 1649-1652	5.8	31
202	An oligocarbazole-encapsulated heteroleptic red iridium complex for solution-processed nondoped phosphorescent organic light-emitting diodes with over 10% external quantum efficiency. *Journal of Materials Chemistry C*, **2017**, 5, 5749-5756	7.1	31
201	Improving Active Layer Morphology of All-Polymer Solar Cells by Solution Temperature. *Macromolecules*, **2020**, 53, 3325-3331	5.5	31
200	Small molecules based on 2,7-carbazole for efficient solution-processed organic solar cells. *Journal of Materials Chemistry A*, **2013**, 1, 8805	13	31
199	Amorphous Polymer Acceptor Containing B <- N Units Matches Various Polymer Donors for All-Polymer Solar Cells. *Macromolecules*, **2019**, 52, 7081-7088	5.5	30
198	Enhanced stability of zinc oxide-based hybrid polymer solar cells by manipulating ultraviolet light distribution in the active layer. *Applied Physics Letters*, **2011**, 98, 203304	3.4	30
197	Highly efficient red electroluminescent polymers with dopant/host system and molecular dispersion feature: polyfluorene as the host and 2,1,3-benzothiadiazole derivatives as the red dopant. *Journal of Materials Chemistry*, **2008**, 18, 319-327		30
196	Polymer light-emitting diodes based on a bipolar transporting luminescent polymer. *Journal of Materials Chemistry*, **2003**, 13, 773-777		30
195	Through-space charge transfer polymers for solution-processed organic light-emitting diodes. *Aggregate*, **2020**, 1, 45-56	22.9	30

194	A p-π conjugated triarylborane as an alcohol-processable n-type semiconductor for organic optoelectronic devices. *Journal of Materials Chemistry C*, **2019**, 7, 7427-7432	7.1	29
193	High-Performance Solution-Processed Red Thermally Activated Delayed Fluorescence OLEDs Employing Aggregation-Induced Emission-Active Triazatruxene-Based Emitters. *ACS Applied Materials & Interfaces*, **2020**, 12, 30652-30658	9.5	29
192	Teaching an Old Poly(arylene ether) New Tricks: Efficient Blue Thermally Activated Delayed Fluorescence. *IScience*, **2019**, 15, 147-155	6.1	28
191	A chlorinated phenazine-based donor–acceptor copolymer with enhanced photovoltaic performance. *Polymer Chemistry*, **2014**, 5, 1848	4.9	28
190	Ultrahigh Color-Stable, Solution-Processed, White OLEDs Using a Dendritic Binary Host and Long-Wavelength Dopants with Different Charge Trapping Depths. *Advanced Optical Materials*, **2015**, 3, 1349-1354	8.1	28
189	Red-Emitting Thermally Activated Delayed Fluorescence Polymers with Poly(fluorene-co-3,3?-dimethyl diphenyl ether) as the Backbone. *Macromolecules*, **2018**, 51, 9933-9942	5.5	28
188	Development of a donor polymer using a B <- N unit for suitable LUMO/HOMO energy levels and improved photovoltaic performance. *Polymer Chemistry*, **2015**, 6, 8029-8035	4.9	27
187	Porous films based on a conjugated polymer gelator for fluorescent detection of explosive vapors. *Polymer Chemistry*, **2013**, 4, 5056	4.9	27
186	Highly efficient tandem white organic light-emitting diodes based upon C60/NaT4 organic heterojunction as charge generation layer. *Journal of Materials Chemistry*, **2012**, 22, 8492		27
185	Red-emitting dendritic iridium(III) complexes for solution processable phosphorescent organic light-emitting diodes. *Macromolecular Rapid Communications*, **2012**, 33, 1036-41	4.8	27
184	Color tuning of Novel 2,1,3-Naphthothiadiazole and 2,1,3-Benzoselenadiazole based D-A-D? Type dopants to realize highly efficient saturated red emission in non-polar solvents. *Journal of Materials Chemistry*, **2011**, 21, 10265		27
183	Poly(phenylene sulfide–tetraaniline): The Soluble Conducting Polyaniline Analogue with Well-Defined Structures. *Macromolecules*, **2001**, 34, 8453-8455	5.5	27
182	B <- N Unit Enables n-Doping of Conjugated Polymers for Thermoelectric Application. *ACS Applied Materials & Interfaces*, **2020**, 12, 10428-10433	9.5	25
181	Synthesis, characterization, photoluminescent and electroluminescent properties of new conjugated 2,2?-(arylenedivinylene)bis-8-substituted quinolines. *Journal of Materials Chemistry*, **2003**, 13, 1392-1399		25
180	Through-space charge transfer blue polymers containing acridan donor and oxygen-bridged triphenylboron acceptor for highly efficient solution-processed organic light-emitting diodes. *Science China Chemistry*, **2020**, 63, 1112-1120	7.9	25
179	A double B<-N bridged bipyridine (BNBP)-based polymer electron acceptor: all-polymer solar cells with a high donor : acceptor blend ratio. *Materials Chemistry Frontiers*, **2017**, 1, 852-858	7.8	24
178	Intramolecular charge-transfer emission from conjugated polymer nanoparticles: the terminal group effect on electronic and optical properties. *Polymer Chemistry*, **2015**, 6, 2305-2311	4.9	24
177	Synthesis and characterization of red light-emitting electrophosphorescent polymers with different triplet energy main chain. *Polymer*, **2011**, 52, 2189-2197	3.9	24

176	Synthesis, characterization, and electroluminescence of PPV copolymers containing electron and hole-transporting units. *Journal of Polymer Science Part A*, **2008**, 46, 1566-1576	2.5	24
175	Meta Junction Promoting Efficient Thermally Activated Delayed Fluorescence in Donor-Acceptor Conjugated Polymers. *Angewandte Chemie - International Edition*, **2020**, 59, 17903-17909	16.4	24
174	Highly emissive carbazole-functionalized homopoly(spirobifluorene) for deep-blue polymer light-emitting diodes. *Polymer Chemistry*, **2017**, 8, 2182-2188	4.9	23
173	Simple Tuning of the Optoelectronic Properties of IrIII and PtII Electrophosphors Based on Linkage Isomer Formation with a Naphthylthiazolyl Moiety. *European Journal of Inorganic Chemistry*, **2012**, 2012, 2278-2288	2.3	23
172	Effect of organic bulk heterojunction as charge generation layer on the performance of tandem organic light-emitting diodes. *Journal of Applied Physics*, **2011**, 110, 074504	2.5	23
171	An Electroactive Pure Organic Room-Temperature Phosphorescence Polymer Based on a Donor-Oxygen-Acceptor Geometry. *Angewandte Chemie - International Edition*, **2021**, 60, 2455-2463	16.4	23
170	Achieving Deep-Blue Thermally Activated Delayed Fluorescence in Nondoped Organic Light-Emitting Diodes through a Spiro-Blocking Strategy. *ACS Omega*, **2019**, 4, 1861-1867	3.9	22
169	Phosphonated conjugated polymers for polymer solar cells with a non-halogenated solvent process. *Polymer Chemistry*, **2015**, 6, 805-812	4.9	22
168	A Distannylated Monomer of a Strong Electron-Accepting Organoboron Building Block: Enabling Acceptor-Acceptor-Type Conjugated Polymers for n-Type Thermoelectric Applications. *Angewandte Chemie - International Edition*, **2021**, 60, 16184-16190	16.4	22
167	Realization of high-power-efficiency white electroluminescence from a single polymer by energy-level engineering. *Chemical Science*, **2018**, 9, 8656-8664	9.4	22
166	A New Electron-Rich Unit for Polymer Electron Acceptors: 4,4-Difluoro-4H-cyclopenta[2,1-b:3,4-b']dithiophene. *Chemistry - A European Journal*, **2017**, 23, 9486-9490	4.8	21
165	Small Molecular Donor/Polymer Acceptor Type Organic Solar Cells: Effect of Molecular Weight on Active Layer Morphology. *Macromolecules*, **2019**, 52, 8682-8689	5.5	21
164	Solution-processible hyperbranched conjugated polymer nanoparticles with tunable particle sizes by Suzuki polymerization in miniemulsion. *RSC Advances*, **2013**, 3, 8645	3.7	21
163	High solubility and photoluminescence quantum yield water-soluble polyfluorenes with dendronized amino acid side chains: synthesis, photophysical, and metal ion sensing properties. *Journal of Materials Chemistry*, **2010**, 20, 7957		21
162	Efficient inverted top-emitting organic light-emitting diodes using ultrathin MoO3/C60 bilayer structure to enhance hole injection. *Applied Physics Letters*, **2009**, 95, 203508	3.4	21
161	Synthesis and characterization of alternating copolymers containing triphenylamine as hole-transporting units. *Journal of Polymer Science Part A*, **2001**, 39, 3278-3286	2.5	21
160	Domain Controlling by Compound Additive toward Highly Efficient Quasi-2D Perovskite Light-Emitting Diodes. *Advanced Functional Materials*, **2021**, 31, 2103890	15.6	21
159	Organic solar cells based on a polymer acceptor and a small molecule donor with a high open-circuit voltage. *Journal of Materials Chemistry C*, **2017**, 5, 6812-6819	7.1	20

158	Self-Host Blue-Emitting Iridium Dendrimer with Carbazole Dendrons: Nondoped Phosphorescent Organic Light-Emitting Diodes. *Angewandte Chemie*, **2014**, 126, 1066-1070	3.6	20
157	A polymer electron donor based on isoindigo units bearing branched oligo(ethylene glycol) side chains for polymer solar cells. *Polymer Chemistry*, **2017**, 8, 5496-5503	4.9	20
156	On the origin of efficient electron injection at phosphonate-functionalized polyfluorene/aluminum interface in efficient polymer light-emitting diodes. *Applied Physics Letters*, **2010**, 97, 043506	3.4	20
155	Soluble, saturated-red-light-emitting poly(p-phenylenevinylene) containing triphenylamine units and cyano groups. *Journal of Polymer Science Part A*, **2004**, 42, 3947-3953	2.5	20
154	A hydroxyphenyloxadiazole lithium complex as a highly efficient blue emitter and interface material in organic light-emitting diodes. *Journal of Materials Chemistry*, **2003**, 13, 2922		20
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