Guohua Xie

List of Publications by Year in Descending Order

207 papers	6,383 citations	42 h-index	71 g-index
223 ext. papers	7,570 ext. citations	7.2 avg, IF	6.2 L-index

#	Paper	IF	Citations
207	Ester-substituted thiophene-fused benzothiadiazole as a strong electron acceptor to build D-A red emitters for highly efficient solution-processed OLEDs. *Journal of Materials Chemistry C*, **2022**, 10, 1127-1135	7.1	2
206	Converting thermally activated delayed fluorescence into hybridized local and charge-transfer via an addition acceptor moiety. *Organic Electronics*, **2022**, 100, 106365	3.5	1
205	Molecular engineering by π-linkers enables delayed fluorescence emitters for high-efficiency sky-blue solution-processed OLEDs. *Chemical Engineering Journal*, **2022**, 430, 133078	14.7	2
204	High Performance Circularly Polarized Electroluminescence with Simultaneous Narrowband Emission, High Efficiency and Large Dissymmetry Factor.. *Advanced Materials*, **2022**, e2109147	24	2
203	A Discrete Platinum(II) Metallacycle Harvesting Triplet Excitons for Solution-Processed Deep-Red Organic Light-Emitting Diodes. *Advanced Optical Materials*, **2022**, 10, 2101925	8.1	2
202	Exploiting new feasibility of a phenylquinoline unit for establishing efficient green thermally activated delayed fluorescent emitter with short delayed fluorescent lifetime. *Organic Electronics*, **2022**, 106, 106518	3.5	0
201	Post-synthesis of Lewis acid-base adducts as thermally activated delayed fluorescence radical emitters for color-tunable displays and encryption via inkjet printing. *Chemical Engineering Journal*, **2022**, 444, 136642	14.7	1
200	Exciton Management of Thermally Activated Delayed Fluorescence Materials for Organic Light-Emitting Devices **2022**, 79-142		
199	Blue light-emitting diodes based on halide perovskites: Recent advances and strategies. *Materials Today*, **2021**, 51, 222-222	21.8	14
198	Perovskite Light-Emitting Devices with Doped Hole Transporting Layer. *Molecules*, **2021**, 26,	4.8	2
197	Thermally Activated Delayed Fluorescence beyond Through-Bond Charge Transfer for High-Performance OLEDs. *Advanced Optical Materials*, **2021**, 9, 2002204	8.1	28
196	Simple-Structured Blue Thermally Activated Delayed Fluorescence Emitter for Solution-Processed Organic Light-Emitting Diodes with External Quantum Efficiency of over 20. *ACS Applied Materials & Interfaces*, **2021**, 13, 12305-12312	9.5	7
195	Highly efficient blue TADF emitters incorporating bulky acridine moieties and their application in solution-processed OLEDs. *Dyes and Pigments*, **2021**, 188, 109157	4.6	5
194	Solution-Processed Pure Blue Thermally Activated Delayed Fluorescence Emitter Organic Light-Emitting Diodes With Narrowband Emission. *Frontiers in Chemistry*, **2021**, 9, 691172	5	5
193	π-Stacked Thermally Activated Delayed Fluorescence Emitters with Alkyl Chain Modulation. *CCS Chemistry*, **2021**, 3, 1757-1763	7.2	5
192	Solution-processed multi-resonance organic light-emitting diodes with high efficiency and narrowband emission. *Chinese Chemical Letters*, **2021**, 32, 1372-1376	8.1	12
191	A solution-processable wholly-aromatic bipolar host material for highly efficient blue electroluminescent devices. *Journal of Materials Chemistry C*, **2021**, 9, 687-692	7.1	7

190	Constructing Donor-Resonance-Donor Molecules for Acceptor-Free Bipolar Organic Semiconductors. *Research*, **2021**, 2021, 1-10	7.8	0
189	Remove the water-induced traps toward improved performance in organic solar cells. *Science China Materials*, **2021**, 64, 2629-2644	7.1	7
188	FA/MA Cation Exchange for Efficient and Reproducible Tin-Based Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2021**, 13, 40656-40663	9.5	7
187	Difluoroboron locking tactic enhances photo- and electroluminescence of TADF emitter. *Dyes and Pigments*, **2021**, 192, 109392	4.6	3
186	Solution-Processable Chiral Boron Complexes for Circularly Polarized Red Thermally Activated Delayed Fluorescent Devices. *ACS Applied Materials & Interfaces*, **2021**, 13, 47826-47834	9.5	6
185	Solution-processed multiple exciplexes via spirofluorene and S-triazine moieties for red thermally activated delayed fluorescence emissive layer OLEDs. *Organic Electronics*, **2021**, 96, 106184	3.5	5
184	Novel aggregation-induced delayed fluorescence luminogens for vacuum-deposited and solution-processed OLEDs with very small efficiency roll-offs. *Organic Electronics*, **2021**, 99, 106339	3.5	1
183	Sky-blue thermally activated delayed fluorescence polymers by using a conjugation-confined poly(aryl ether) main chain. *Polymer Chemistry*, **2021**, 12, 2490-2497	4.9	2
182	Intermolecular locking design of red thermally activated delayed fluorescence molecules for high-performance solution-processed organic light-emitting diodes. *Journal of Materials Chemistry C*, **2021**, 9, 2291-2297	7.1	8
181	Triazatruxene based star-shaped thermally activated delayed fluorescence emitters: modulating the performance of solution-processed non-doped OLEDs via side-group engineering. *Journal of Materials Chemistry C*, **2021**, 9, 7363-7373	7.1	4
180	Superacid-catalyzed Friedel□Crafts polyhydroxyalkylation: a straightforward method to construct sky-blue thermally activated delayed fluorescence polymers. *Polymer Chemistry*, **2020**, 11, 3481-3487	4.9	4
179	Unravelling Electroplex Emission from Long-Range Charge Transfer Based on a Phosphorescent Dendrimer as the Electron Donor. *Journal of Physical Chemistry Letters*, **2020**, 11, 5255-5262	6.4	9
178	Sky-blue thermally activated delayed fluorescence polymers with □nterrupted polymer mainchain via Friedel-Crafts polycondensation. *Polymer*, **2020**, 204, 122722	3.9	3
177	Highly Emissive Dinuclear Platinum(III) Complexes. *Journal of the American Chemical Society*, **2020**, 142, 7469-7479	16.4	36
176	Regulating the photophysical properties of highly twisted TADF emitters by concurrent through-space/-bond charge transfer. *Chemical Engineering Journal*, **2020**, 402, 126173	14.7	26
175	Triplet manipulation for strong luminescence. *Science Bulletin*, **2020**, 65, 1780-1782	10.6	10
174	Achieving 21% External Quantum Efficiency for Nondoped Solution-Processed Sky-Blue Thermally Activated Delayed Fluorescence OLEDs by Means of Multi-(Donor/Acceptor) Emitter with Through-Space/-Bond Charge Transfer. *Advanced Science*, **2020**, 7, 1902087	13.6	74
173	Star-shaped thermally activated delayed fluorescence emitters with a tri-armed arylsulfonic acceptor for efficient solution processed organic light emitting diodes. *Journal of Materials Chemistry C*, **2020**, 8, 5580-5586	7.1	8

172	Molecular engineering by □Bond spacer enables solution-processable host materials for TADF emitter towards high-performance OLEDs. *Chemical Engineering Journal*, **2020**, 396, 125276	14.7	9
171	Organic and quantum-dot hybrid white LEDs using a narrow bandwidth blue TADF emitter. *Journal of Materials Chemistry C*, **2020**, 8, 10831-10836	7.1	4
170	Saturated Red Electroluminescence From Thermally Activated Delayed Fluorescence Conjugated Polymers. *Frontiers in Chemistry*, **2020**, 8, 332	5	8
169	Optical properties of organic neodymium complex doped optical waveguides based on the intramolecular energy transfer effect. *Optical Materials Express*, **2020**, 10, 2624	2.6	5
168	Bis(benzothiophene-S,S-dioxide) fused small molecules realize solution-processible, high-performance and non-doped blue organic light-emitting diodes. *Journal of Materials Chemistry C*, **2020**, 8, 1002-1009	7.1	3
167	Benzoylpyridine-based TADF emitters with AIE feature for efficient non-doped OLEDs by both evaporation and solution process. *Dyes and Pigments*, **2020**, 176, 108179	4.6	15
166	Protonation-induced dual fluorescence of a blue fluorescent material with twisted AD□A configuration. *Journal of Materials Chemistry C*, **2020**, 8, 2442-2450	7.1	9
165	High-Efficiency White Organic Light-Emitting Diodes Based on All Nondoped Thermally Activated Delayed Fluorescence Emitters. *Advanced Materials Interfaces*, **2020**, 7, 1901758	4.6	9
164	Emerging circularly polarized thermally activated delayed fluorescence materials and devices. *Applied Physics Letters*, **2020**, 117, 130502	3.4	20
163	Easily reproducible top-emitting organic light-emitting devices for microdisplays adapted to aluminum contact from the standard CMOS processes. *Journal of Information Display*, **2020**, 21, 131-137	4.1	3
162	Atomic Precision Graphene Model Compound for Bright Electrochemiluminescence and Organic Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2020**, 12, 51736-51743	9.5	10
161	Thermally activated delayed fluorescent polymer- assisted morphological control on perfluorinated ionomer enriched surface and exciton harvesting for phosphorescent organic light-emitting devices. *Dyes and Pigments*, **2020**, 183, 108718	4.6	3
160	Monoradically luminescent polymers by a super acid-catalyzed polymerization and deep-red electroluminescence. *Science China Chemistry*, **2020**, 63, 1214-1220	7.9	5
159	Pyrido[2,3-b]pyrazine-based full-color fluoresent materials for high-performance OLEDs. *Journal of Materials Chemistry C*, **2020**, 8, 12445-12449	7.1	7
158	Highly Efficient Thermally Activated Delayed Fluorescence via an Unconjugated Donor-Acceptor System Realizing EQE of Over 30. *Advanced Materials*, **2020**, 32, e2003885	24	76
157	Blue-Phosphorescent Pt(II) Complexes of Tetradentate Pyridyl-Carbolinyl Ligands: Synthesis, Structure, Photophysics, and Electroluminescence. *Inorganic Chemistry*, **2020**, 59, 14493-14500	5.1	10
156	Resonance hosts for high efficiency solution-processed blue and white electrophosphorescent devices. *Science China Chemistry*, **2020**, 63, 1645-1651	7.9	6
155	Rigidity and Polymerization Amplified Red Thermally Activated Delayed Fluorescence Polymers for Constructing Red and Single-Emissive-Layer White OLEDs. *Advanced Functional Materials*, **2020**, 30, 2002493	15.6	15

154	Manipulating the doping level via host-dopant synergism towards high performance n-type thermoelectric composites. *Chemical Engineering Journal*, **2020**, 382, 122817	14.7	15
153	Electroluminescence of intra-molecular exciplexes based on novel Lewis acid borane acceptors and a high triplet level donor. *Chemical Engineering Journal*, **2020**, 380, 122527	14.7	7
152	Transfer printing of polymer light-emitting devices with a small molecular seeding layer featuring thermally activated delayed fluorescence for triplet harvesting. *Nanoscale Horizons*, **2020**, 5, 144-149	10.8	8
151	Fused tetracyclic tris[1,2,4]triazolo[1,3,5]triazine as a novel rigid electron acceptor for efficient thermally activated delayed fluorescence emitters.. *RSC Advances*, **2020**, 10, 15523-15529	3.7	10
150	High-color-purity and efficient solution-processable blue phosphorescent light-emitting diodes with Pt(II) complexes featuring 3 transitions. *Materials Chemistry Frontiers*, **2019**, 3, 2448-2454	7.8	21
149	Highly efficient electroluminescence from evaporation- and solution-processable orange ed thermally activated delayed fluorescence emitters. *Journal of Materials Chemistry C*, **2019**, 7, 12321-12327	7.1	17
148	Small-Molecule-Doped Organic Crystals with Long-Persistent Luminescence. *Advanced Functional Materials*, **2019**, 29, 1902503	15.6	50
147	Realizing 22.5% External Quantum Efficiency for Solution-Processed Thermally Activated Delayed-Fluorescence OLEDs with Red Emission at 622 nm via a Synergistic Strategy of Molecular Engineering and Host Selection. *Advanced Materials*, **2019**, 31, e1901404	24	122
146	Combining the qualities of carbazole and tetraphenyl silane in a desirable main chain for thermally activated delayed fluorescence polymers. *Polymer Chemistry*, **2019**, 10, 4201-4208	4.9	11
145	Highly efficient sky blue electroluminescence from ligand-activated copper iodide clusters: Overcoming the limitations of cluster light-emitting diodes. *Science Advances*, **2019**, 5, eaav9857	14.3	41
144	Solution-Processed Highly Efficient Bluish-Green Thermally Activated Delayed Fluorescence Emitter Bearing an Asymmetric Oxadiazole-Difluoroboron Double Acceptor. *ACS Applied Materials & Interfaces*, **2019**, 11, 24339-24348	9.5	26
143	Enhancing Spin-Orbit Coupling by Introducing a Lone Pair Electron with p Orbital Character in a Thermally Activated Delayed Fluorescence Emitter: Photophysics and Devices. *Journal of Physical Chemistry Letters*, **2019**, 10, 2669-2675	6.4	22
142	Boosting photoluminescence quantum yields of triarylboron/phenoxazine hybrids via incorporation of cyano groups and their applications as TADF emitters for high-performance solution-processed OLEDs. *Journal of Materials Chemistry C*, **2019**, 7, 4778-4783	7.1	16
141	Solution-processible 1,3,4-oxadiazole/spiro[fluorene-9,9?- xanthene] hybrid as efficient host for green thermally activated delayed fluorescence devices. *Dyes and Pigments*, **2019**, 166, 168-173	4.6	12
140	Realizing an efficient warm white organic light-emitting device possessing excellent color-stability and color rendering index. *Organic Electronics*, **2019**, 68, 129-134	3.5	5
139	Feasible Modification of PEDOT:PSS by Poly(4-styrenesulfonic acid): A Universal Method to Double the Efficiencies for Solution-Processed Organic Light-Emitting Devices. *ACS Applied Materials & Interfaces*, **2019**, 11, 29105-29112	9.5	21
138	Thermally Activated Delayed Fluorescence Polymer Emitters with Tunable Emission from Yellow to Warm White Regulated by Triphenylamine Derivatives. *ACS Applied Polymer Materials*, **2019**, 1, 2204-2212	4.3	7
137	Multiple Conjugated Molecules with Selectively Enhanced Electrical Performance for Efficient Solution-Processed Blue Electrophosphorescence. *Advanced Optical Materials*, **2019**, 7, 1901124	8.1	4

136	A Simple Organic Molecule Realizing Simultaneous TADF, RTP, AIE, and Mechanoluminescence: Understanding the Mechanism Behind the Multifunctional Emitter. *Angewandte Chemie*, **2019**, 131, 17815-17819	3.6	19
135	A Simple Organic Molecule Realizing Simultaneous TADF, RTP, AIE, and Mechanoluminescence: Understanding the Mechanism Behind the Multifunctional Emitter. *Angewandte Chemie - International Edition*, **2019**, 58, 17651-17655	16.4	75
134	Design and synthesis of host materials based on spirofluorene and s-triazine moieties and the applications in organic light-emitting devices. *Chinese Science Bulletin*, **2019**, 64, 1149-1158	2.9	2
133	Self-Assembly of a Highly Emissive Pure Organic Imine-Based Stack for Electroluminescence and Cell Imaging. *Journal of the American Chemical Society*, **2019**, 141, 4704-4710	16.4	61
132	Photophysics and electroluminescence of red quantum dots diluted in a thermally activated delayed fluorescence host. *Journal of Materials Chemistry C*, **2019**, 7, 13218-13223	7.1	4
131	Fine-tuning the photophysical properties of thermally activated delayed fluorescent emitters using torsion angles: high performance sky-blue OLEDs. *Journal of Materials Chemistry C*, **2019**, 7, 13953-13959	7.1	10
130	Simple construction of deep-red hexaazatrinaphthylene-based thermally activated delayed fluorescence emitters for efficient solution-processed OLEDs with a peak at 692 nm. *Chemical Communications*, **2019**, 55, 14190-14193	5.8	18
129	Thermally activated delayed fluorescence enantiomers for solution-processed circularly polarized electroluminescence. *Journal of Materials Chemistry C*, **2019**, 7, 14511-14516	7.1	31
128	Simply Structured Near-Infrared Emitters with a Multicyano Linear Acceptor for Solution-Processed Organic Light-Emitting Diodes. *Chemistry - A European Journal*, **2019**, 25, 1010-1017	4.8	27
127	Simply Structured Near-Infrared Emitters with a Multicyano Linear Acceptor for Solution-Processed Organic Light-Emitting Diodes. *Chemistry - A European Journal*, **2019**, 25, 895-895	4.8	
126	Tetraphenylcyclopentadiene-Based Hyperbranched Polymers: Convenient Syntheses from One Pot A4 + B2 Polymerization and High External Quantum Yields up to 9.74% in OLED Devices. *Macromolecules*, **2019**, 52, 896-903	5.5	14
125	Hexa-substituted benzene derivatives as hole transporting materials for efficient perovskite solar cells. *Dyes and Pigments*, **2019**, 163, 267-273	4.6	6
124	Multichannel Strategies to Produce Stabilized Azaphenalene Diradicals: A Predictable Model to Generate Self-Doped Cathode Interfacial Layers for Organic Photovoltaics. *Advanced Functional Materials*, **2019**, 29, 1806125	15.6	15
123	Linearly polarized electroluminescence from ionic iridium complex-based metallomesogens: the effect of aliphatic-chain on their photophysical properties. *Journal of Materials Chemistry C*, **2018**, 6, 3298-3309	7.1	23
122	Boosting the Efficiency of Near-Infrared Fluorescent OLEDs with an Electroluminescent Peak of Nearly 800 nm by Sensitizer-Based Cascade Energy Transfer. *Advanced Functional Materials*, **2018**, 28, 1706088	15.6	40
121	Realizing Highly Efficient Solution-Processed Homojunction-Like Sky-Blue OLEDs by Using Thermally Activated Delayed Fluorescent Emitters Featuring an Aggregation-Induced Emission Property. *Journal of Physical Chemistry Letters*, **2018**, 9, 1547-1553	6.4	83
120	Using Ring-Opening Metathesis Polymerization of Norbornene To Construct Thermally Activated Delayed Fluorescence Polymers: High-Efficiency Blue Polymer Light-Emitting Diodes. *Macromolecules*, **2018**, 51, 1598-1604	5.5	64
119	Carbazole-dendronized thermally activated delayed fluorescent molecules with small singlet-triplet gaps for solution-processed organic light-emitting diodes. *Dyes and Pigments*, **2018**, 153, 92-98	4.6	11

118	Organic Light-Emitting Diodes: Achieving Nearly 30% External Quantum Efficiency for Orange-Red Organic Light Emitting Diodes by Employing Thermally Activated Delayed Fluorescence Emitters Composed of 1,8-Naphthalimide-Acridine Hybrids (Adv. Mater. 5/2018). *Advanced Materials*, **2018**, 30, 1870033	24	6
117	Highly Efficient Solution-Processable Nanophosphor with Ambipolar Shell. *Chemistry - A European Journal*, **2018**, 24, 2971-2979	4.8	5
116	High-efficiency blue OLEDs based on dendritic dinuclear iridium (III) complexes grafted with fluorene core and blue fluorescence chromospheres. *Tetrahedron*, **2018**, 74, 425-432	2.4	2
115	An efficient exciton harvest route for high-performance OLEDs based on aggregation-induced delayed fluorescence. *Chemical Communications*, **2018**, 54, 1379-1382	5.8	66
114	New perylene diimide derivatives: stable red emission, adjustable property from ACQ to AIE, and good device performance with an EQE value of 4.93%. *Science Bulletin*, **2018**, 63, 108-116	10.6	24
113	Near-infrared emission of dinuclear iridium complexes with hole/electron transporting bridging and their monomer in solution-processed organic light-emitting diodes. *Dyes and Pigments*, **2018**, 149, 315-322	4.6	29
112	Boosting the electroluminescence efficiency of solution-processed thermally activated delayed fluorescence OLEDs with a versatile hole-transporting layer of organic–inorganic hybrid perovskite. *Journal of Materials Chemistry C*, **2018**, 6, 6305-6311	7.1	3
111	Enhancing Optical Gain Stability for a Deep-Blue Emitter Enabled by a Low-Loss Transparent Matrix. *Journal of Physical Chemistry C*, **2018**, 122, 21569-21578	3.8	5
110	Design Strategy for Solution-Processable Thermally Activated Delayed Fluorescence Emitters and Their Applications in Organic Light-Emitting Diodes. *Advanced Optical Materials*, **2018**, 6, 1800568	8.1	129
109	Revealing the new potential of an indandione unit for constructing efficient yellow thermally activated delayed fluorescence emitters with short emissive lifetimes. *Journal of Materials Chemistry C*, **2018**, 6, 7111-7118	7.1	14
108	Molecular design to regulate the photophysical properties of multifunctional TADF emitters towards high-performance TADF-based OLEDs with EQEs up to 22.4% and small efficiency roll-offs. *Chemical Science*, **2018**, 9, 1385-1391	9.4	96
107	Achieving Nearly 30% External Quantum Efficiency for Orange-Red Organic Light Emitting Diodes by Employing Thermally Activated Delayed Fluorescence Emitters Composed of 1,8-Naphthalimide-Acridine Hybrids. *Advanced Materials*, **2018**, 30, 1704961	24	385
106	A Cu-NHC based phosphorescent binuclear iridium(iii)/copper(i) complex with an unpredictable near-linear two-coordination mode. *Dalton Transactions*, **2018**, 47, 17299-17303	4.3	8
105	An AIEgen-based 3D covalent organic framework for white light-emitting diodes. *Nature Communications*, **2018**, 9, 5234	17.4	182
104	Incorporating Thermally Activated Delayed Fluorescence into Mechanochromic Luminescent Emitters: High-Performance Solution-Processed Yellow Organic Light Emitting Diodes. *Advanced Optical Materials*, **2018**, 6, 1801071	8.1	28
103	Platinum-based metallomesogens bearing a Pt(4,6-dfppy)(acac) skeleton: synthesis, photophysical properties and polarised phosphorescence application. *Dalton Transactions*, **2018**, 47, 13368-13377	4.3	15
102	Star-Shaped Boron-Containing Asymmetric Host Materials for Solution-Processable Phosphorescent Organic Light-Emitting Diodes. *Advanced Science*, **2018**, 5, 1800292	13.6	17
101	Red thermally activated delayed fluorescence polymers containing 9H-thioxanthen-9-one-10,10-dioxide acceptor group as pendant or incorporated in backbone. *Organic Electronics*, **2018**, 59, 406-413	3.5	17

100	Phenylquinoline fused cyclic derivatives as electron acceptors of exciplex forming hosts for solution-processable red phosphorescent OLEDs. *Journal of Materials Chemistry C*, **2018**, 6, 8035-8041	7.1	10
99	Inheriting the Characteristics of TADF Small Molecule by Side-Chain Engineering Strategy to Enable Bluish-Green Polymers with High PLQYs up to 74% and External Quantum Efficiency over 16% in Light-Emitting Diodes. *Advanced Materials*, **2017**, 29, 1604223	24	177
98	Iridium-based emitters containing pendant triphenylene moieties for bluish-green OLEDs with improved efficiency upon thermal annealing. *New Journal of Chemistry*, **2017**, 41, 1773-1780	3.6	10
97	Tuning the emission from local excited-state to charge-transfer state transition in quinoxaline-based butterfly-shaped molecules: Efficient orange OLEDs based on thermally activated delayed fluorescence emitter. *Dyes and Pigments*, **2017**, 141, 325-332	4.6	25
96	Tuning the twist angle of thermally activated delayed fluorescence molecules via a dendronization strategy: high-efficiency solution-processed non-doped OLEDs. *Journal of Materials Chemistry C*, **2017**, 5, 3480-3487	7.1	38
95	Naphthothiadiazole-Based Near-Infrared Emitter with a Photoluminescence Quantum Yield of 60% in Neat Film and External Quantum Efficiencies of up to 3.9% in Nondoped OLEDs. *Advanced Functional Materials*, **2017**, 27, 1606384	15.6	136
94	Spirotriphenylamine based star-shaped D-A molecules meeting AIE chromophore for both efficient solution-processed doped and nondoped blue organic light-emitting diodes. *Dyes and Pigments*, **2017**, 143, 173-182	4.6	12
93	Self-Doping Cathode Interfacial Material Simultaneously Enabling High Electron Mobility and Powerful Work Function Tunability for High-Efficiency All-Solution-Processed Polymer Light-Emitting Diodes. *Advanced Functional Materials*, **2017**, 27, 1700695	15.6	18
92	A Red Fluorescent Emitter with a Simultaneous Hybrid Local and Charge Transfer Excited State and Aggregation-Induced Emission for High-Efficiency, Low Efficiency Roll-Off OLEDs. *Advanced Optical Materials*, **2017**, 5, 1700145	8.1	39
91	Carbazole/oligofluorene end-capped hexanes: solution-processable host materials for phosphorescent organic light-emitting diodes. *Journal of Materials Chemistry C*, **2017**, 5, 4442-4447	7.1	12
90	Highly efficient blueish-green fluorescent OLEDs based on AIE liquid crystal molecules: from ingenious molecular design to multifunction materials. *Journal of Materials Chemistry C*, **2017**, 5, 3999-4008	7.1	60
89	Tuning emissive characteristics and singlet-triplet energy splitting of fluorescent emitters by encapsulation group modification: Yellow TADF emitter for solution-processed OLEDs with high luminance and ultraslow efficiency roll-off. *Dyes and Pigments*, **2017**, 139, 593-600	4.6	16
88	Highly Efficient Solution-Processed Deep-Red Organic Light-Emitting Diodes Based on an Exciplex Host Composed of a Hole Transporter and a Bipolar Host. *Journal of Physical Chemistry Letters*, **2017**, 8, 4967-4973	6.4	38
87	Bright white electroluminescence from a single polymer containing a thermally activated delayed fluorescence unit and a solution-processed orange OLED approaching 20% external quantum efficiency. *Journal of Materials Chemistry C*, **2017**, 5, 10715-10720	7.1	74
86	Rational design of isophthalonitrile-based thermally activated delayed fluorescence emitters for OLEDs with high efficiency and slow efficiency roll-off. *Dyes and Pigments*, **2017**, 147, 350-356	4.6	9
85	Simple InCl Doped PEDOT:PSS and UV-Ozone Treatment Strategy: External Quantum Efficiency up to 21% for Solution-Processed Organic Light-Emitting Devices with a Thermally Activated Delayed Fluorescence Emitter. *ACS Applied Materials & Interfaces*, **2017**, 9, 34139-34145	9.5	17
84	White Electroluminescent Phosphine-Chelated Copper Iodide Nanoclusters. *Chemistry of Materials*, **2017**, 29, 6606-6610	9.6	55
83	Pure Organic Emitter with Simultaneous Thermally Activated Delayed Fluorescence and Room-Temperature Phosphorescence: Thermal-Controlled Triplet Recycling Channels. *Advanced Optical Materials*, **2017**, 5, 1700588	8.1	39

82	Halogen-induced internal heavy-atom effect shortening the emissive lifetime and improving the fluorescence efficiency of thermally activated delayed fluorescence emitters. *Journal of Materials Chemistry C*, **2017**, 5, 12204-12210	7.1	51
81	Pyrene-Based Blue AIEgen: Enhanced Hole Mobility and Good EL Performance in Solution-Processed OLEDs. *Molecules*, **2017**, 22,	4.8	16
80	Controlling the emission efficiency of blue-green iridium(III) phosphorescent emitters and applications in solution-processed organic light-emitting diodes. *Journal of Materials Chemistry C*, **2016**, 4, 8939-8946	7.1	16
79	Achieving a balance between small singlet-triplet energy splitting and high fluorescence radiative rate in a quinoxaline-based orange-red thermally activated delayed fluorescence emitter. *Chemical Communications*, **2016**, 52, 11012-5	5.8	88
78	Engineering the Interconnecting Position of Star-Shaped Donor-Acceptor Molecules Based on Triazine, Spirofluorene, and Triphenylamine Moieties for Color Tuning from Deep Blue to Green. *Chemistry - an Asian Journal*, **2016**, 11, 2555-63	4.5	16
77	Triazine-core-containing star-shaped compounds as cathode interlayers for efficient inverted polymer solar cells. *Journal of Materials Chemistry C*, **2016**, 4, 11278-11283	7.1	6
76	Influence of integrated alkyl-chain length on the mesogenic and photophysical properties of platinum-based metallomesogens and their application for polarized white OLEDs. *Dyes and Pigments*, **2016**, 133, 238-247	4.6	24
75	Simple pyridine hydrochlorides as bifunctional electron injection and transport materials for high-performance all-solution-processed organic light emitting diodes. *Journal of Materials Chemistry C*, **2016**, 4, 6224-6229	7.1	12
74	Rational utilization of intramolecular and intermolecular hydrogen bonds to achieve desirable electron transporting materials with high mobility and high triplet energy. *Journal of Materials Chemistry C*, **2016**, 4, 1482-1489	7.1	22
73	Solution-Processable Silicon Phthalocyanines in Electroluminescent and Photovoltaic Devices. *ACS Applied Materials & Interfaces*, **2016**, 8, 9247-53	9.5	48
72	Deep-red iridium(III) complexes cyclometalated by phenanthridine derivatives for highly efficient solution-processed organic light-emitting diodes. *Journal of Materials Chemistry C*, **2016**, 4, 3492-3498	7.1	47
71	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
70	Multi-carbazole encapsulation as a simple strategy for the construction of solution-processed, non-doped thermally activated delayed fluorescence emitters. *Journal of Materials Chemistry C*, **2016**, 4, 2442-2446	7.1	126
69	Creating a thermally activated delayed fluorescence channel in a single polymer system to enhance exciton utilization efficiency for bluish-green electroluminescence. *Chemical Communications*, **2016**, 52, 2292-5	5.8	140
68	Improved performance of inverted polymer solar cells by utilizing alcohol-soluble oligofluorenes as efficient cathode interlayers. *Organic Electronics*, **2016**, 30, 182-190	3.5	8
67	Synthesis of Solution Processable Blue AIEgens and the Device Performance. *Acta Chimica Sinica*, **2016**, 74, 865	3.3	14
66	Boosting reverse intersystem crossing by increasing donors in triarylboron/phenoxazine hybrids: TADF emitters for high-performance solution-processed OLEDs. *Journal of Materials Chemistry C*, **2016**, 4, 4402-4407	7.1	120
65	Dendronized delayed fluorescence emitters for non-doped, solution-processed organic light-emitting diodes with high efficiency and low efficiency roll-off simultaneously: two parallel emissive channels. *Chemical Science*, **2016**, 7, 5441-5447	9.4	154

64	Measuring and structuring the spatial coherence length of organic light-emitting diodes. *Laser and Photonics Reviews*, **2016**, 10, 82-90	8.3	7
63	Formylated chloro-bridged iridium(III) dimers as OLED materials: opening up new possibilities. *Dalton Transactions*, **2015**, 44, 8419-32	4.3	35
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