Lian Duan

List of Publications by Year in Descending Order

225 papers	10,105 citations	56 h-index	93 g-index
241 ext. papers	12,471 ext. citations	8.7 avg, IF	6.81 L-index

#	Paper	IF	Citations
225	Accelerating Radiative Decay in Blue Through-space Charge Transfer Emitters by Minimizing the Face-to-face Donor-acceptor Distances.. *Angewandte Chemie - International Edition*, **2022**,	16.4	7
224	Self-assembly monomolecular engineering towards efficient and stable inverted perovskite solar cells. *Chemical Engineering Journal*, **2022**, 430, 132986	14.7	2
223	Highly Efficient and Stable Blue Organic Light-Emitting Diodes based on Thermally Activated Delayed Fluorophor with Donor-Void-Acceptor Motif.. *Advanced Science*, **2022**, e2106018	13.6	5
222	Tough, stable and self-healing luminescent perovskite-polymer matrix applicable to all harsh aquatic environments.. *Nature Communications*, **2022**, 13, 1338	17.4	7
221	Direct optical patterning of perovskite nanocrystals with ligand cross-linkers.. *Science Advances*, **2022**, 8, eabm8433	14.3	10
220	In situ-formed tetrahedrally coordinated double-helical metal complexes for improved coordination-activated n-doping.. *Nature Communications*, **2022**, 13, 1215	17.4	2
219	White Organic Light-Emitting Diodes **2022**, 277-357		
218	Approaching Ohmic hole contact via a synergetic effect of a thin insulating layer and strong electron acceptors. *Science China Materials*, **2021**, 64, 3124	7.1	3
217	Sterically Wrapped Multiple Resonance Fluorophors for Suppression of Concentration Quenching and Spectrum Broadening. *Angewandte Chemie - International Edition*, **2021**,	16.4	23
216	Adjusting the photophysical properties of AIE-active TADF emitters from through-bond to through-space charge transfer for high-performance solution-processed OLEDs. *Dyes and Pigments*, **2021**, 188, 109208	4.6	8
215	Indolo[3,2,1-jk]carbazole Embedded Multiple-Resonance Fluorophors for Narrowband Deep-blue Electroluminescence with EQE□4.7 % and CIEy□0.085. *Angewandte Chemie*, **2021**, 133, 12377-12381	3.6	6
214	Green Electrospun Silk Fibroin Nanofibers Loaded with Cationic Ethosomes for Transdermal Drug Delivery. *Chemical Research in Chinese Universities*, **2021**, 37, 488-495	2.2	2
213	Transfer-printed, tandem microscale light-emitting diodes for full-color displays. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	7
212	Indolo[3,2,1-jk]carbazole Embedded Multiple-Resonance Fluorophors for Narrowband Deep-blue Electroluminescence with EQE□4.7 % and CIE □0.085. *Angewandte Chemie - International Edition*, **2021**, 60, 12269-12273	16.4	26
211	26-2: Invited Paper: Efficient and Stable Deep-Blue OLEDs Based on TADF Sensitized Fluorescence (TSF). *Digest of Technical Papers SID International Symposium*, **2021**, 52, 324-327	0.5	
210	Bee-shaped host with ideal polarity and energy levels for high-efficiency blue and white fluorescent organic light-emitting diodes. *Chemical Engineering Journal*, **2021**, 411, 128457	14.7	4
209	High-Brightness Perovskite Light-Emitting Diodes Based on FAPbBr3 Nanocrystals with Rationally Designed Aromatic Ligands. *ACS Energy Letters*, **2021**, 6, 2395-2403	20.1	20

208	Multi-Resonance Deep-Red Emitters with Shallow Potential-Energy Surfaces to Surpass Energy-Gap Law*. *Angewandte Chemie - International Edition*, **2021**, 60, 20498-20503	16.4	58
207	Enhancing spin-orbital coupling in deep-blue/blue TADF emitters by minimizing the distance from the heteroatoms in donors to acceptors. *Chemical Engineering Journal*, **2021**, 420, 127591	14.7	13
206	Thermally activated delayed fluorescence material-sensitized helicene enantiomer-based OLEDs: a new strategy for improving the efficiency of circularly polarized electroluminescence. *Science China Materials*, **2021**, 64, 899-908	7.1	17
205	Highly efficient inverted polymer solar cells by using solution processed MgO/ZnO composite interfacial layers. *Journal of Colloid and Interface Science*, **2021**, 583, 178-187	9.3	8
204	Triazolotriazine-based thermally activated delayed fluorescence materials for highly efficient fluorescent organic light-emitting diodes (TSF-OLEDs). *Science Bulletin*, **2021**, 66, 441-448	10.6	21
203	Mixed halide perovskites for spectrally stable and high-efficiency blue light-emitting diodes. *Nature Communications*, **2021**, 12, 361	17.4	119
202	45.1: High-Performance Deep Blue OLEDs with EQE up to 31%. *Digest of Technical Papers SID International Symposium*, **2021**, 52, 296-297	0.5	
201	Multi-Resonance Deep-Red Emitters with Shallow Potential-Energy Surfaces to Surpass Energy-Gap Law**. *Angewandte Chemie*, **2021**, 133, 20661-20666	3.6	12
200	Color-Tunable All-Fluorescent White Organic Light-Emitting Diodes with a High External Quantum Efficiency Over 30% and Extended Device Lifetime. *Advanced Materials*, **2021**, e2103102	24	15
199	38.2: Invited Paper: A sensitized way towards stable blue OLEDs. *Digest of Technical Papers SID International Symposium*, **2021**, 52, 484-485	0.5	
198	12.1: Invited Paper: Efficiency enhancement in dual emission OLEDs. *Digest of Technical Papers SID International Symposium*, **2021**, 52, 176-178	0.5	
197	Lanthanide Cerium(III) Tris(pyrazolyl)borate Complexes: Efficient Blue Emitters for Doublet Organic Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2021**, 13, 45686-45695	9.5	9
196	Approaching Nearly 40% External Quantum Efficiency in Organic Light Emitting Diodes Utilizing a Green Thermally Activated Delayed Fluorescence Emitter with an Extended Linear Donor-Acceptor-Donor Structure. *Advanced Materials*, **2021**, 33, e2103293	24	33
195	Simultaneously Enhanced Reverse Intersystem Crossing and Radiative Decay in Thermally Activated Delayed Fluorophors with Multiple Through-space Charge Transfers. *Angewandte Chemie - International Edition*, **2021**, 60, 23771-23776	16.4	25
194	Strategically Modulating Carriers and Excitons for Efficient and Stable Ultrapure-Green Fluorescent OLEDs with a Sterically Hindered BODIPY Dopant. *Advanced Optical Materials*, **2020**, 8, 2000483	8.1	27
193	One-Dimensional All-Inorganic K2CuBr3 with Violet Emission as Efficient X-ray Scintillators. *ACS Applied Electronic Materials*, **2020**, 2, 2242-2249	4	30
192	Efficient and Stable Deep-Blue Fluorescent Organic Light-Emitting Diodes Employing a Sensitizer with Fast Triplet Upconversion. *Advanced Materials*, **2020**, 32, e1908355	24	100
191	Modulation of ligand conjugation for efficient FAPbBr3 based green light-emitting diodes. *Materials Chemistry Frontiers*, **2020**, 4, 1383-1389	7.8	3

190	Achieving Pure Green Electroluminescence with CIEy of 0.69 and EQE of 28.2% from an Aza-Fused Multi-Resonance Emitter. *Angewandte Chemie*, **2020**, 132, 17652-17656	3.6	30
189	Achieving Pure Green Electroluminescence with CIEy of 0.69 and EQE of 28.2% from an Aza-Fused Multi-Resonance Emitter. *Angewandte Chemie - International Edition*, **2020**, 59, 17499-17503	16.4	81
188	Progress on Light-Emitting Electrochemical Cells toward Blue Emission, High Efficiency, and Long Lifetime. *Advanced Functional Materials*, **2020**, 30, 1907156	15.6	27
187	Hydrogen bond modulation in 1,10-phenanthroline derivatives for versatile electron transport materials with high thermal stability, large electron mobility and excellent n-doping ability. *Science Bulletin*, **2020**, 65, 153-160	10.6	13
186	Modulation of Förster and Dexter Interactions in Single-Emissive-Layer All-Fluorescent WOLEDs for Improved Efficiency and Extended Lifetime. *Advanced Functional Materials*, **2020**, 30, 1907083	15.6	35
185	Review on photo- and electrical aging mechanisms for neutral excitons and ions in organic light-emitting diodes. *Journal of Materials Chemistry C*, **2020**, 8, 803-820	7.1	24
184	Axially Chiral TADF-Active Enantiomers Designed for Efficient Blue Circularly Polarized Electroluminescence. *Angewandte Chemie - International Edition*, **2020**, 59, 3500-3504	16.4	93
183	Stabilization of Blue Emitters with Thermally Activated Delayed Fluorescence by the Steric Effect: A Case Study by means of Magnetic Field Effects. *Physical Review Applied*, **2020**, 14,	4.3	7
182	Sublimable cationic iridium(III) complexes for red-emitting diodes with high colour purity. *Journal of Materials Chemistry C*, **2020**, 8, 14766-14772	7.1	6
181	P-1: Development of High-yield Laser Lift-off Process for Micro LED Display. *Digest of Technical Papers SID International Symposium*, **2020**, 51, 1312-1314	0.5	2
180	P-85: Development of High-yield Laser Lift-off Process for Micro LED Display. *Digest of Technical Papers SID International Symposium*, **2020**, 51, 1688-1690	0.5	
179	A Facile Multi-transfer Method by Flexible Tape for Micro-LED Display Applications. *Digest of Technical Papers SID International Symposium*, **2020**, 51, 113-116	0.5	0
178	Development of High-yield Laser Lift-off Process for Micro LED Display. *Digest of Technical Papers SID International Symposium*, **2020**, 51, 55-57	0.5	
177	Synergistic optimization of interfacial energy-level alignment and defect passivation toward efficient annealing-free inverted polymer solar cells. *Journal of Materials Chemistry A*, **2020**, 8, 18792-18801	11	7
176	P-95: A Facile Multi-Transfer Method by Flexible Tape for Micro-LED Display Applications. *Digest of Technical Papers SID International Symposium*, **2020**, 51, 1723-1726	0.5	2
175	A novel anthracene derivative with an asymmetric structure as an electron transport material for stable Rec. 2020 blue organic light-emitting diodes. *Journal of Information Display*, **2020**, 21, 197-201	4.1	3
174	A ED and EA Exciplex-Forming Host for High-Efficiency and Long-Lifetime Single-Emissive-Layer Fluorescent White Organic Light-Emitting Diodes. *Advanced Materials*, **2020**, 32, e2004040	24	35
173	Deep-blue organic light-emitting diodes based on a doublet - transition cerium(III) complex with 100% exciton utilization efficiency. *Light: Science and Applications*, **2020**, 9, 157	16.7	17

172	Emerging Self-Emissive Technologies for Flexible Displays. *Advanced Materials*, **2020**, 32, e1902391	24	55
171	Polyethylenimine and sodium cholate-modified ethosomes complex as multidrug carriers for the treatment of melanoma through transdermal delivery. *Nanomedicine*, **2019**, 14, 2395-2408	5.6	16
170	Cationic Iridium Complexes with 5-Phenyl-1-1,2,4-triazole Type Cyclometalating Ligands: Toward Blue-Shifted Emission. *Inorganic Chemistry*, **2019**, 58, 12132-12145	5.1	18
169	Thermally Activated Delayed Fluorescent Materials Combining Intra- and Intermolecular Charge Transfers. *ACS Applied Materials & Interfaces*, **2019**, 11, 7192-7198	9.5	33
168	Simultaneous enhancement of efficiency and stability of OLEDs with thermally activated delayed fluorescence materials by modifying carbazoles with peripheral groups. *Science China Chemistry*, **2019**, 62, 393-402	7.9	23
167	Exciplex System with Increased Donor-Acceptor Distance as the Sensitizing Host for Conventional Fluorescent OLEDs with High Efficiency and Extremely Low Roll-Off. *ACS Applied Materials & Interfaces*, **2019**, 11, 22595-22602	9.5	27
166	Polycyclic Aromatic Hydrocarbon Derivatives toward Ideal Electron-Transporting Materials for Organic Light-Emitting Diodes. *Journal of Physical Chemistry Letters*, **2019**, 10, 2528-2537	6.4	19
165	Investigation on two triphenylene based electron transport materials. *Science China Chemistry*, **2019**, 62, 775-783	7.9	2
164	LEDs Based on Small Molecules **2019**, 215-304		1
163	Sublimable cationic iridium(iii) complexes with large steric hindrance for high-performance organic light-emitting diodes. *Dalton Transactions*, **2019**, 48, 9669-9675	4.3	1
162	High-efficiency blue–green electroluminescence from sublimable cationic iridium(III) complexes with a pyrazole-type ligand. *Journal of Materials Chemistry C*, **2019**, 7, 3503-3511	7.1	8
161	Understanding the operational lifetime expansion methods of thermally activated delayed fluorescence sensitized OLEDs: a combined study of charge trapping and exciton dynamics. *Materials Chemistry Frontiers*, **2019**, 3, 1181-1191	7.8	18
160	Understanding and Manipulating the Interplay of Wide-Energy-Gap Host and TADF Sensitizer in High-Performance Fluorescence OLEDs. *Advanced Materials*, **2019**, 31, e1901923	24	64
159	Multi-Resonance Induced Thermally Activated Delayed Fluorophores for Narrowband Green OLEDs. *Angewandte Chemie - International Edition*, **2019**, 58, 16912-16917	16.4	156
158	Multi-Resonance Induced Thermally Activated Delayed Fluorophores for Narrowband Green OLEDs. *Angewandte Chemie*, **2019**, 131, 17068-17073	3.6	44
157	Making silver a stronger n-dopant than cesium via in situ coordination reaction for organic electronics. *Nature Communications*, **2019**, 10, 866	17.4	27
156	High Performance Thermally Activated Delayed Fluorescence Sensitized Organic Light-Emitting Diodes. *Chemical Record*, **2019**, 19, 1611-1623	6.6	27
155	Unveiling the Role of Langevin and Trap-Assisted Recombination in Long Lifespan OLEDs Employing Thermally Activated Delayed Fluorophores. *ACS Applied Materials & Interfaces*, **2019**, 11, 1096-1108	9.5	37

154	Recent Progress in Sublimable Cationic Iridium(III) Complexes for Organic Light-Emitting Diodes. *Chemical Record*, **2019**, 19, 1483-1498	6.6	8
153	Recent progress in solution processable TADF materials for organic light-emitting diodes. *Journal of Materials Chemistry C*, **2018**, 6, 5577-5596	7.1	248
152	Cirsium Japonicum DC ingredients-loaded silk fibroin nanofibrous matrices with excellent hemostatic activity. *Biomedical Physics and Engineering Express*, **2018**, 4, 025035	1.5	3
151	Stable Enantiomers Displaying Thermally Activated Delayed Fluorescence: Efficient OLEDs with Circularly Polarized Electroluminescence. *Angewandte Chemie*, **2018**, 130, 2939-2943	3.6	31
150	Toward High-Performance Vacuum-Deposited OLEDs: Sublimable Cationic Iridium(III) Complexes with Yellow and Orange Electroluminescence. *Chemistry - A European Journal*, **2018**, 24, 5574-5583	4.8	16
149	Stable Organic Radicals as Hole Injection Dopants for Efficient Optoelectronics. *ACS Applied Materials & Interfaces*, **2018**, 10, 4882-4886	9.5	12
148	Deep insights into the viscosity of small molecular solutions for organic light-emitting diodes. *RSC Advances*, **2018**, 8, 4153-4161	3.7	4
147	Stable Enantiomers Displaying Thermally Activated Delayed Fluorescence: Efficient OLEDs with Circularly Polarized Electroluminescence. *Angewandte Chemie - International Edition*, **2018**, 57, 2889-2893	16.4	213
146	Blocking Energy-Loss Pathways for Ideal Fluorescent Organic Light-Emitting Diodes with Thermally Activated Delayed Fluorescent Sensitizers. *Advanced Materials*, **2018**, 30, 1705250	24	117
145	Fluorine-free, highly efficient, blue-green and sky-blue-emitting cationic iridium complexes and their use for efficient organic light-emitting diodes. *Journal of Materials Chemistry C*, **2018**, 6, 1509-1520	7.1	14
144	Versatile Indolocarbazole-Isomer Derivatives as Highly Emissive Emitters and Ideal Hosts for Thermally Activated Delayed Fluorescent OLEDs with Alleviated Efficiency Roll-Off. *Advanced Materials*, **2018**, 30, 1705406	24	162
143	Long-Lived and Highly Efficient TADF-PhOLED with [A]n[D][A]n[Structured Terpyridine Electron-Transporting Material. *Advanced Functional Materials*, **2018**, 28, 1800429	15.6	35
142	Heavy Atom Effect of Bromine Significantly Enhances Exciton Utilization of Delayed Fluorescence Luminogens. *ACS Applied Materials & Interfaces*, **2018**, 10, 17327-17334	9.5	50
141	Enhancing the Overall Performances of Blue Light-Emitting Electrochemical Cells by Using an Electron-Injecting/Transporting Ionic Additive. *ACS Applied Materials & Interfaces*, **2018**, 10, 11801-11809	9.5	27
140	Vacuum-Deposited versus Spin-Coated Emissive Layers for Fabricating High-Performance Blue-Green-Emitting Diodes. *ChemPlusChem*, **2018**, 83, 211-216	2.8	7
139	Toward Tunable Electroluminescent Devices by Correlating Function and Submolecular Structure in 3D Crystals, 2D-Confined Monolayers, and Dimers. *ACS Applied Materials & Interfaces*, **2018**, 10, 22460-22473	9.5	11
138	High-Efficiency Organic Light-Emitting Diodes Based on Sublimable Cationic Iridium(III) Complexes with Sterically Hindered Spacers. *ACS Photonics*, **2018**, 5, 3428-3437	6.3	12
137	A novel fluorescence sensing method based on quantum dot-graphene and a molecular imprinting technique for the detection of tyramine in rice wine. *Analytical Methods*, **2018**, 10, 3884-3889	3.2	16

136	Efficient n-Dopants and Their Roles in Organic Electronics. *Advanced Optical Materials*, **2018**, 6, 1800536	8.1	29
135	Efficient red phosphorescent OLEDs based on the energy transfer from interface exciplex: the critical role of constituting molecules. *Science China Chemistry*, **2018**, 61, 836-843	7.9	16
134	Controlling Ion Distribution for High-Performance Organic Light-Emitting Diodes Based on Sublimable Cationic Iridium(III) Complexes. *ACS Applied Materials & Interfaces*, **2018**, 10, 29814-29823	9.5	17
133	A combinational molecular design to achieve highly efficient deep-blue electrofluorescence. *Journal of Materials Chemistry C*, **2018**, 6, 745-753	7.1	32
132	Effects ofortho-Linkages on the Molecular Stability of Organic Light-Emitting Diode Materials. *Chemistry of Materials*, **2018**, 30, 8771-8781	9.6	19
131	Positional isomerism effect of spirobifluorene and terpyridine moieties of □(A)n□□(A)n□type electron transport materials for long-lived and highly efficient TADF-PhOLEDs. *Journal of Materials Chemistry C*, **2018**, 6, 10276-10283	7.1	22
130	High-Performance Fluorescent Organic Light-Emitting Diodes Utilizing an Asymmetric Anthracene Derivative as an Electron-Transporting Material. *Advanced Materials*, **2018**, 30, e1707590	24	50
129	High-performance yellow- and orange-emitting diodes based on novel sublimable cationic iridium(III) complexes by ligand control. *Journal of Materials Chemistry C*, **2018**, 6, 5630-5638	7.1	8
128	Highly Efficient Full-Color Thermally Activated Delayed Fluorescent Organic Light-Emitting Diodes: Extremely Low Efficiency Roll-Off Utilizing a Host with Small Singlet-Triplet Splitting. *ACS Applied Materials & Interfaces*, **2017**, 9, 4769-4777	9.5	86
127	A case-based reasoning approach for task-driven spatial□temporally aware geospatial data discovery through geoportals. *International Journal of Digital Earth*, **2017**, 10, 1146-1165	3.9	6
126	□stacking: a strategy to improve the electron mobilities of bipolar hosts for TADF and phosphorescent devices with low efficiency roll-off. *Journal of Materials Chemistry C*, **2017**, 5, 3372-3381	7.1	25
125	Sterically Shielded Electron Transporting Material with Nearly 100% Internal Quantum Efficiency and Long Lifetime for Thermally Activated Delayed Fluorescent and Phosphorescent OLEDs. *ACS Applied Materials & Interfaces*, **2017**, 9, 19040-19047	9.5	58
124	Multifunctional Materials for High-Performance Double-Layer Organic Light-Emitting Diodes: Comparison of Isomers with and without Thermally Activated Delayed Fluorescence. *ACS Applied Materials & Interfaces*, **2017**, 9, 17279-17289	9.5	14
123	Homoleptic Facial Ir(III) Complexes via Facile Synthesis for High-Efficiency and Low-Roll-Off Near-Infrared Organic Light-Emitting Diodes over 750 nm. *Chemistry of Materials*, **2017**, 29, 4775-4782	9.6	97
122	Multifunctional emitters for efficient simplified non-doped blueish green organic light emitting devices with extremely low efficiency roll-off. *Journal of Materials Chemistry C*, **2017**, 5, 6527-6536	7.1	16
121	High-Efficiency Near-Infrared Fluorescent Organic Light-Emitting Diodes with Small Efficiency Roll-Off: A Combined Design from Emitters to Devices. *Advanced Functional Materials*, **2017**, 27, 1703283	15.6	37
120	Persistent Luminescence Nanophosphor Involved Near-Infrared Optical Bioimaging for Investigation of Foodborne Probiotics Biodistribution in Vivo: A Proof-of-Concept Study. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 8229-8240	5.7	19
119	Organic Radicals Outperform LiF as Efficient Electron-Injection Materials for Organic Light-Emitting Diodes. *Journal of Physical Chemistry Letters*, **2017**, 8, 4769-4773	6.4	14

118	Ultrahigh-Efficiency Green PHOLEDs with a Voltage under 3 V and a Power Efficiency of Nearly 110 lm W at Luminance of 10 000 cd m. *Advanced Materials*, **2017**, 29, 1702847	24	92
117	Non-Doped Sky-Blue OLEDs Based on Simple Structured AIE Emitters with High Efficiencies at Low Driven Voltages. *Chemistry - an Asian Journal*, **2017**, 12, 2189-2196	4.5	19
116	Paddy rice field mapping using GF-1 images with SVM method **2017**,		2
115	Recent Progress in Ionic Iridium(III) Complexes for Organic Electronic Devices. *Advanced Materials*, **2017**, 29, 1603253	24	180
114	Exploiting p-Type Delayed Fluorescence in Hybrid White OLEDs: Breaking the Trade-off between High Device Efficiency and Long Lifetime. *ACS Applied Materials & Interfaces*, **2016**, 8, 23197-203	9.5	34
113	A cationic iridium complex meets an electron-transporting counter-anion: enhanced performances of solution-processed phosphorescent light-emitting diodes. *Chemical Communications*, **2016**, 52, 14466-14469	5.8	11
112	Sublimable Cationic Iridium(III) Complexes with 1,10-Phenanthroline Derivatives as Ancillary Ligands for Highly Efficient and Polychromic Electroluminescence. *Chemistry - A European Journal*, **2016**, 22, 15888-15895	4.8	16
111	New Insights into Tunable Volatility of Ionic Materials through Counter-Ion Control. *Advanced Functional Materials*, **2016**, 26, 3438-3445	15.6	40
110	Phosphorescent cationic iridium complexes with phenyl-imidazole type cyclometalating ligands: A combined experimental and theoretical study on photophysical, electrochemical and electroluminescent properties. *Dyes and Pigments*, **2016**, 131, 76-83	4.6	14
109	High-stability organic red-light photodetector for narrowband applications. *Laser and Photonics Reviews*, **2016**, 10, 473-480	8.3	55
108	Using an organic radical precursor as an electron injection material for efficient and stable organic light-emitting diodes. *Nanotechnology*, **2016**, 27, 174001	3.4	15
107	High-efficiency and low efficiency roll-off near-infrared fluorescent OLEDs through triplet fusion. *Chemical Science*, **2016**, 7, 2888-2895	9.4	74
106	Simultaneous Enhancement of Efficiency and Stability of Phosphorescent OLEDs Based on Efficient Förster Energy Transfer from Interface Exciplex. *ACS Applied Materials & Interfaces*, **2016**, 8, 3825-32	9.5	92
105	Flexible Organic Tribotronic Transistor Memory for a Visible and Wearable Touch Monitoring System. *Advanced Materials*, **2016**, 28, 106-10	24	84
104	Toward fluorine-free blue-emitting cationic iridium complexes: to generate emission from the cyclometalating ligands with enhanced triplet energy. *Dalton Transactions*, **2016**, 45, 5604-13	4.3	21
103	Highly efficient blue thermally activated delayed fluorescent OLEDs with record-low driving voltages utilizing high triplet energy hosts with small singlet-triplet splittings. *Chemical Science*, **2016**, 7, 3355-3363	9.4	163
102	Sterically shielded blue thermally activated delayed fluorescence emitters with improved efficiency and stability. *Materials Horizons*, **2016**, 3, 145-151	14.4	323
101	Estimating leaf area index of winter oilseed rape using high spatial resolution satellite data **2016**,		1

100	Monitoring the impacts of waterlogging on winter wheat using high spatial resolution satellite data **2016**,		1
99	Highly efficient blue-green organic light-emitting diodes achieved by controlling the anionic migration of cationic iridium(III) complexes. *Journal of Materials Chemistry C*, **2016**, 4, 5731-5738	7.1	31
98	Colour-tunable asymmetric cyclometalated Pt(II) complexes and STM-assisted stability assessment of ancillary ligands for OLEDs. *Journal of Materials Chemistry C*, **2016**, 4, 2560-2565	7.1	36
97	Highly efficient green phosphorescent organic light-emitting diodes with low efficiency roll-off based on iridium(III) complexes bearing oxadiazol-substituted amide ligands. *Journal of Materials Chemistry C*, **2016**, 4, 5469-5475	7.1	22
96	Orange-red- and white-emitting diodes fabricated by vacuum evaporation deposition of sublimable cationic iridium complexes. *Journal of Materials Chemistry C*, **2016**, 4, 5051-5058	7.1	21
95	Efficient n-type dopants with extremely low doping ratios for high performance inverted perovskite solar cells. *Energy and Environmental Science*, **2016**, 9, 3424-3428	35.4	75
94	[Ir(ppy)2pyim]PF6 dielectric mixed with PMMA for area emission transistors. *RSC Advances*, **2016**, 6, 94010-94013	3.7	
93	Cationic iridium(III) complexes with different-sized negative counter-ions for solution-processed deep-blue-emitting diodes. *Organic Electronics*, **2016**, 39, 16-24	3.5	12
92	Full-solution-processed high mobility zinc-tin-oxide thin-film-transistors. *Science China Technological Sciences*, **2016**, 59, 1407-1412	3.5	9
91	IbSIMT1, a novel salt-induced methyltransferase gene from Ipomoea batatas, is involved in salt tolerance. *Plant Cell, Tissue and Organ Culture*, **2015**, 120, 701-715	2.7	42
90	Blue-green emitting cationic iridium complexes with 1,3,4-oxadiazole cyclometallating ligands: synthesis, photophysical and electrochemical properties, theoretical investigation and electroluminescent devices. *Dalton Transactions*, **2015**, 44, 15914-23	4.3	29
89	Bipolar host with multielectron transport benzimidazole units for low operating voltage and high power efficiency solution-processed phosphorescent OLEDs. *ACS Applied Materials & Interfaces*, **2015**, 7, 7303-14	9.5	53
88	Air stable organic salt as an n-type dopant for efficient and stable organic light-emitting diodes. *ACS Applied Materials & Interfaces*, **2015**, 7, 6444-50	9.5	39
87	Systematically tuning the EST and charge balance property of bipolar hosts for low operating voltage and high power efficiency solution-processed electrophosphorescent devices. *Journal of Materials Chemistry C*, **2015**, 3, 5004-5016	7.1	12
86	Characteristics of Plasmids Coharboring 16S rRNA Methylases, CTX-M, and Virulence Factors in Escherichia coli and Klebsiella pneumoniae Isolates from Chickens in China. *Foodborne Pathogens and Disease*, **2015**, 12, 873-80	3.8	15
85	Decolorization of Acid Orange II dye by peroxymonosulfate activated with magnetic Fe3O4@C/Co nanocomposites. *RSC Advances*, **2015**, 5, 76862-76874	3.7	44
84	Deep-blue electroluminescence from nondoped and doped organic light-emitting diodes (OLEDs) based on a new monoaza[6]helicene. *RSC Advances*, **2015**, 5, 75-84	3.7	65
83	Highly Integrable Organic Optocouplers on a Patterned Double-Side Indium Tin Oxide Substrate With High Isolation Voltage. *IEEE Electron Device Letters*, **2015**, 36, 171-173	4.4	3

82	A high triplet energy small molecule based thermally cross-linkable hole-transporting material for solution-processed multilayer blue electrophosphorescent devices. *Journal of Materials Chemistry C* , **2015**, 3, 243-246	7.1	27
81	Highly Efficient Hybrid White Tandem Organic Light-Emitting Diodes with MoO3 Layer. *Chinese Journal of Chemistry*, **2015**, 33, 859-864	4.9	10
80	Highly Efficient Simplified Single-Emitting-Layer Hybrid WOLEDs with Low Roll-off and Good Color Stability through Enhanced F□ster Energy Transfer. *ACS Applied Materials & Interfaces*, **2015**, 7, 28693-700	9.5	110
79	Highly efficient hybrid warm white organic light-emitting diodes using a blue thermally activated delayed fluorescence emitter: exploiting the external heavy-atom effect. *Light: Science and Applications*, **2015**, 4, e232-e232	16.7	156
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