

Lian Duan

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225
papers

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241
ext. papers

12,471
ext. citations

8.7
avg, IF

6.81
L-index

#	Paper	IF	Citations
225	Solution processable small molecules for organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6392		506
224	High-efficiency fluorescent organic light-emitting devices using sensitizing hosts with a small singlet-triplet exchange energy. <i>Advanced Materials</i> , 2014 , 26, 5050-5	24	385
223	Strategies to design bipolar small molecules for OLEDs: donor-acceptor structure and non-donor-acceptor structure. <i>Advanced Materials</i> , 2011 , 23, 1137-44	24	360
222	Sterically shielded blue thermally activated delayed fluorescence emitters with improved efficiency and stability. <i>Materials Horizons</i> , 2016 , 3, 145-151	14.4	323
221	Toward Highly Efficient Solid-State White Light-Emitting Electrochemical Cells: Blue-Green to Red Emitting Cationic Iridium Complexes with Imidazole-Type Ancillary Ligands. <i>Advanced Functional Materials</i> , 2009 , 19, 2950-2960	15.6	278
220	Solid-state light-emitting electrochemical cells based on ionic iridium(III) complexes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4206		273
219	Blue-Emitting Cationic Iridium Complexes with 2-(1H-Pyrazol-1-yl)pyridine as the Ancillary Ligand for Efficient Light-Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2008 , 18, 2123-2131	15.6	252
218	Recent progress in solution processable TADF materials for organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 5577-5596	7.1	248
217	Stable Enantiomers Displaying Thermally Activated Delayed Fluorescence: Efficient OLEDs with Circularly Polarized Electroluminescence. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2889-2893	16.4	213
216	Recent Progress in Ionic Iridium(III) Complexes for Organic Electronic Devices. <i>Advanced Materials</i> , 2017 , 29, 1603253	24	180
215	Highly efficient blue thermally activated delayed fluorescent OLEDs with record-low driving voltages utilizing high triplet energy hosts with small singlet-triplet splittings. <i>Chemical Science</i> , 2016 , 7, 3355-3363	9.4	163
214	Versatile Indolocarbazole-Isomer Derivatives as Highly Emissive Emitters and Ideal Hosts for Thermally Activated Delayed Fluorescent OLEDs with Alleviated Efficiency Roll-Off. <i>Advanced Materials</i> , 2018 , 30, 1705406	24	162
213	Multi-Resonance Induced Thermally Activated Delayed Fluorophores for Narrowband Green OLEDs. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16912-16917	16.4	156
212	Highly efficient hybrid warm white organic light-emitting diodes using a blue thermally activated delayed fluorescence emitter: exploiting the external heavy-atom effect. <i>Light: Science and Applications</i> , 2015 , 4, e232-e232	16.7	156
211	Highly Efficient Blue-Green and White Light-Emitting Electrochemical Cells Based on a Cationic Iridium Complex with a Bulky Side Group. <i>Chemistry of Materials</i> , 2010 , 22, 3535-3542	9.6	153
210	Highly efficient and color-stable hybrid warm white organic light-emitting diodes using a blue material with thermally activated delayed fluorescence. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8191-8197	7.1	121
209	Mixed halide perovskites for spectrally stable and high-efficiency blue light-emitting diodes. <i>Nature Communications</i> , 2021 , 12, 361	17.4	119

208	Blocking Energy-Loss Pathways for Ideal Fluorescent Organic Light-Emitting Diodes with Thermally Activated Delayed Fluorescent Sensitizers. <i>Advanced Materials</i> , 2018 , 30, 1705250	24	117
207	Molecular Understanding of the Chemical Stability of Organic Materials for OLEDs: A Comparative Study on Sulfonyl, Phosphine-Oxide, and Carbonyl-Containing Host Materials. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 7569-7578	3.8	114
206	High-triplet-energy tri-carbazole derivatives as host materials for efficient solution-processed blue phosphorescent devices. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4918		114
205	Highly Efficient Simplified Single-Emitting-Layer Hybrid WOLEDs with Low Roll-off and Good Color Stability through Enhanced Förster Energy Transfer. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28693-700	9.5	110
204	Label-free electrochemical DNA biosensor array for simultaneous detection of the HIV-1 and HIV-2 oligonucleotides incorporating different hairpin-DNA probes and redox indicator. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1088-94	11.8	110
203	Towards High Efficiency and Low Roll-Off Orange Electrophosphorescent Devices by Fine Tuning Singlet and Triplet Energies of Bipolar Hosts Based on Indolocarbazole/1, 3, 5-Triazine Hybrids. <i>Advanced Functional Materials</i> , 2014 , 24, 3551-3561	15.6	106
202	Efficient and Stable Deep-Blue Fluorescent Organic Light-Emitting Diodes Employing a Sensitizer with Fast Triplet Upconversion. <i>Advanced Materials</i> , 2020 , 32, e1908355	24	100
201	Homoleptic Facial Ir(III) Complexes via Facile Synthesis for High-Efficiency and Low-Roll-Off Near-Infrared Organic Light-Emitting Diodes over 750 nm. <i>Chemistry of Materials</i> , 2017 , 29, 4775-4782	9.6	97
200	Axially Chiral TADF-Active Enantiomers Designed for Efficient Blue Circularly Polarized Electroluminescence. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3500-3504	16.4	93
199	Simultaneous Enhancement of Efficiency and Stability of Phosphorescent OLEDs Based on Efficient Förster Energy Transfer from Interface Exciplex. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 3825-32	9.5	92
198	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. <i>Advanced Materials</i> , 2017 , 29, 1702847	24	92
197	Enhanced stability of blue-green light-emitting electrochemical cells based on a cationic iridium complex with 2-(1-phenyl-1H-pyrazol-3-yl)pyridine as the ancillary ligand. <i>Chemical Communications</i> , 2011 , 47, 6467-9	5.8	92
196	Elucidation of the electron injection mechanism of evaporated cesium carbonate cathode interlayer for organic light-emitting diodes. <i>Applied Physics Letters</i> , 2007 , 90, 012119	3.4	92
195	Controlling the Recombination Zone of White Organic Light-Emitting Diodes with Extremely Long Lifetimes. <i>Advanced Functional Materials</i> , 2011 , 21, 3540-3545	15.6	90
194	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. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4769-4777	9.5	86
193	Flexible Organic Triboelectric Transistor Memory for a Visible and Wearable Touch Monitoring System. <i>Advanced Materials</i> , 2016 , 28, 106-10	24	84
192	A Pyridine-Containing Anthracene Derivative with High Electron and Hole Mobilities for Highly Efficient and Stable Fluorescent Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2011 , 21, 1881-1886	15.6	84
191	Achieving Pure Green Electroluminescence with CIEy of 0.69 and EQE of 28.2% from an Aza-Fused Multi-Resonance Emitter. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17499-17503	16.4	81

190	Towards ideal electrophosphorescent devices with low dopant concentrations: the key role of triplet up-conversion. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8983-8989	7.1	81
189	Efficient single layer solution-processed blue-emitting electrophosphorescent devices based on a small-molecule host. <i>Applied Physics Letters</i> , 2008 , 92, 263301	3.4	76
188	Extremely low driving voltage electrophosphorescent green organic light-emitting diodes based on a host material with small singlet-triplet exchange energy without p- or n-doping layer. <i>Organic Electronics</i> , 2013 , 14, 260-266	3.5	75
187	Highly-efficient blue electroluminescence based on two emitter isomers. <i>Applied Physics Letters</i> , 2004 , 84, 1513-1515	3.4	75
186	Efficient n-type dopants with extremely low doping ratios for high performance inverted perovskite solar cells. <i>Energy and Environmental Science</i> , 2016 , 9, 3424-3428	35.4	75
185	High-efficiency and low efficiency roll-off near-infrared fluorescent OLEDs through triplet fusion. <i>Chemical Science</i> , 2016 , 7, 2888-2895	9.4	74
184	High Throughput Sequencing Identifies MicroRNAs Mediating β -Synuclein Toxicity by Targeting Neuroactive-Ligand Receptor Interaction Pathway in Early Stage of Drosophila Parkinson's Disease Model. <i>PLoS ONE</i> , 2015 , 10, e0137432	3.7	73
183	High-efficiency near-infrared organic light-emitting devices based on an iridium complex with negligible efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 6446	7.1	71
182	Highly efficient solution-processed blue-green to red and white light-emitting diodes using cationic iridium complexes as dopants. <i>Organic Electronics</i> , 2010 , 11, 1185-1191	3.5	70
181	High performance low-voltage organic phototransistors: interface modification and the tuning of electrical, photosensitive and memory properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 11836		69
180	Novel star-shaped host materials for highly efficient solution-processed phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6131		68
179	Achilles Heels of Phosphine Oxide Materials for OLEDs: Chemical Stability and Degradation Mechanism of a Bipolar Phosphine Oxide/Carbazole Hybrid Host Material. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 19451-19457	3.8	67
178	Deep-blue electroluminescence from nondoped and doped organic light-emitting diodes (OLEDs) based on a new monoaza[6]helicene. <i>RSC Advances</i> , 2015 , 5, 75-84	3.7	65
177	Understanding and Manipulating the Interplay of Wide-Energy-Gap Host and TADF Sensitizer in High-Performance Fluorescence OLEDs. <i>Advanced Materials</i> , 2019 , 31, e1901923	24	64
176	High-efficiency orange to near-infrared emissions from bis-cyclometalated iridium complexes with phenyl-benzoquinoline isomers as ligands. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6573		62
175	Universal Trap Effect in Carrier Transport of Disordered Organic Semiconductors: Transition from Shallow Trapping to Deep Trapping. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 10651-10660	3.8	59
174	Synthesis, characterization, and photophysical and electroluminescent properties of blue-emitting cationic iridium(III) complexes bearing nonconjugated ligands. <i>Inorganic Chemistry</i> , 2014 , 53, 6596-606	5.1	59
173	Sterically Shielded Electron Transporting Material with Nearly 100% Internal Quantum Efficiency and Long Lifetime for Thermally Activated Delayed Fluorescent and Phosphorescent OLEDs. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19040-19047	9.5	58

172	Impacts of Sn precursors on solution-processed amorphous zinc oxide films and their transistors. <i>RSC Advances</i> , 2012 , 2, 5307	3.7	58
171	Multi-Resonance Deep-Red Emitters with Shallow Potential-Energy Surfaces to Surpass Energy-Gap Law*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20498-20503	16.4	58
170	Efficient solution-processed electrophosphorescent devices using ionic iridium complexes as the dopants. <i>Organic Electronics</i> , 2009 , 10, 152-157	3.5	56
169	High-stability organic red-light photodetector for narrowband applications. <i>Laser and Photonics Reviews</i> , 2016 , 10, 473-480	8.3	55
168	Emerging Self-Emissive Technologies for Flexible Displays. <i>Advanced Materials</i> , 2020 , 32, e1902391	24	55
167	Bipolar host with multielectron transport benzimidazole units for low operating voltage and high power efficiency solution-processed phosphorescent OLEDs. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 7303-14	9.5	53
166	Bright single-active layer small-molecular organic light-emitting diodes with a polytetrafluoroethylene barrier. <i>Applied Physics Letters</i> , 2003 , 82, 155-157	3.4	53
165	Star-shaped dendritic hosts based on carbazole moieties for highly efficient blue phosphorescent OLEDs. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12016		52
164	Heavy Atom Effect of Bromine Significantly Enhances Exciton Utilization of Delayed Fluorescence Luminogens. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17327-17334	9.5	50
163	High-Performance Fluorescent Organic Light-Emitting Diodes Utilizing an Asymmetric Anthracene Derivative as an Electron-Transporting Material. <i>Advanced Materials</i> , 2018 , 30, e1707590	24	50
162	Increased phosphorescent quantum yields of cationic iridium(III) complexes by wisely controlling the counter anions. <i>Chemical Communications</i> , 2014 , 50, 530-2	5.8	46
161	Decolorization of Acid Orange II dye by peroxymonosulfate activated with magnetic Fe ₃ O ₄ @C/Co nanocomposites. <i>RSC Advances</i> , 2015 , 5, 76862-76874	3.7	44
160	Multi-Resonance Induced Thermally Activated Delayed Fluorophores for Narrowband Green OLEDs. <i>Angewandte Chemie</i> , 2019 , 131, 17068-17073	3.6	44
159	IbSMT1, a novel salt-induced methyltransferase gene from <i>Ipomoea batatas</i> , is involved in salt tolerance. <i>Plant Cell, Tissue and Organ Culture</i> , 2015 , 120, 701-715	2.7	42
158	A Comparison Study of the Organic Small Molecular Thin Films Prepared by Solution Process and Vacuum Deposition: Roughness, Hydrophilicity, Absorption, Photoluminescence, Density, Mobility, and Electroluminescence. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14278-14284	3.8	41
157	New Insights into Tunable Volatility of Ionic Materials through Counter-Ion Control. <i>Advanced Functional Materials</i> , 2016 , 26, 3438-3445	15.6	40
156	Air stable organic salt as an n-type dopant for efficient and stable organic light-emitting diodes. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6444-50	9.5	39
155	Charge Transport in Mixed Organic Disorder Semiconductors: Trapping, Scattering, and Effective Energetic Disorder. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 19748-19754	3.8	39

154	Pure red electroluminescence from a host material of binuclear gallium complex. <i>Applied Physics Letters</i> , 2002 , 81, 4913-4915	3.4	38
153	High-Efficiency Near-Infrared Fluorescent Organic Light-Emitting Diodes with Small Efficiency Roll-Off: A Combined Design from Emitters to Devices. <i>Advanced Functional Materials</i> , 2017 , 27, 1703283	15.6	37
152	Unveiling the Role of Langevin and Trap-Assisted Recombination in Long Lifespan OLEDs Employing Thermally Activated Delayed Fluorophores. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 1096-1108	9.5	37
151	Colour-tunable asymmetric cyclometalated Pt(II) complexes and STM-assisted stability assessment of ancillary ligands for OLEDs. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 2560-2565	7.1	36
150	Long-Lived and Highly Efficient TADF-PhOLED with (A)ND(A)n Structured Terpyridine Electron-Transporting Material. <i>Advanced Functional Materials</i> , 2018 , 28, 1800429	15.6	35
149	A new type of light-emitting naphtho[2,3-c][1,2,5]thiadiazole derivatives: synthesis, photophysical characterization and transporting properties. <i>Journal of Materials Chemistry</i> , 2008 , 18, 806		35
148	Modulation of Förster and Dexter Interactions in Single-Emissive-Layer All-Fluorescent WOLEDs for Improved Efficiency and Extended Lifetime. <i>Advanced Functional Materials</i> , 2020 , 30, 1907083	15.6	35
147	A ED and EA Exciplex-Forming Host for High-Efficiency and Long-Lifetime Single-Emissive-Layer Fluorescent White Organic Light-Emitting Diodes. <i>Advanced Materials</i> , 2020 , 32, e2004040	24	35
146	Exploiting p-Type Delayed Fluorescence in Hybrid White OLEDs: Breaking the Trade-off between High Device Efficiency and Long Lifetime. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 23197-203	9.5	34
145	Thermally Activated Delayed Fluorescent Materials Combining Intra- and Intermolecular Charge Transfers. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 7192-7198	9.5	33
144	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. <i>Advanced Materials</i> , 2021 , 33, e2103293	24	33
143	A combinational molecular design to achieve highly efficient deep-blue electrofluorescence. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 745-753	7.1	32
142	Stable Enantiomers Displaying Thermally Activated Delayed Fluorescence: Efficient OLEDs with Circularly Polarized Electroluminescence. <i>Angewandte Chemie</i> , 2018 , 130, 2939-2943	3.6	31
141	Highly efficient blue-green organic light-emitting diodes achieved by controlling the anionic migration of cationic iridium(III) complexes. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5731-5738	7.1	31
140	One-Dimensional All-Inorganic K ₂ CuBr ₃ with Violet Emission as Efficient X-ray Scintillators. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 2242-2249	4	30
139	Achieving Pure Green Electroluminescence with CIE _y of 0.69 and EQE of 28.2% from an Aza-Fused Multi-Resonance Emitter. <i>Angewandte Chemie</i> , 2020 , 132, 17652-17656	3.6	30
138	Charge Transport in Amorphous Organic Semiconductors: Effects of Disorder, Carrier Density, Traps, and Scatters. <i>Israel Journal of Chemistry</i> , 2014 , 54, 918-926	3.4	30
137	Blue-green emitting cationic iridium complexes with 1,3,4-oxadiazole cyclometallating ligands: synthesis, photophysical and electrochemical properties, theoretical investigation and electroluminescent devices. <i>Dalton Transactions</i> , 2015 , 44, 15914-23	4.3	29

136	Efficient n-Dopants and Their Roles in Organic Electronics. <i>Advanced Optical Materials</i> , 2018 , 6, 18005368.1	29
135	Exciplex System with Increased Donor-Acceptor Distance as the Sensitizing Host for Conventional Fluorescent OLEDs with High Efficiency and Extremely Low Roll-Off. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22595-22602	9.5 27
134	A high triplet energy small molecule based thermally cross-linkable hole-transporting material for solution-processed multilayer blue electrophosphorescent devices. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 243-246	7.1 27
133	Strategically Modulating Carriers and Excitons for Efficient and Stable Ultrapure-Green Fluorescent OLEDs with a Sterically Hindered BODIPY Dopant. <i>Advanced Optical Materials</i> , 2020 , 8, 2000483	8.1 27
132	Progress on Light-Emitting Electrochemical Cells toward Blue Emission, High Efficiency, and Long Lifetime. <i>Advanced Functional Materials</i> , 2020 , 30, 1907156	15.6 27
131	Enhancing the Overall Performances of Blue Light-Emitting Electrochemical Cells by Using an Electron-Injecting/Transporting Ionic Additive. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11801-11809	19.5 27
130	Making silver a stronger n-dopant than cesium via in situ coordination reaction for organic electronics. <i>Nature Communications</i> , 2019 , 10, 866	17.4 27
129	High Performance Thermally Activated Delayed Fluorescence Sensitized Organic Light-Emitting Diodes. <i>Chemical Record</i> , 2019 , 19, 1611-1623	6.6 27
128	Tandem organic light-emitting diodes with KBH4 doped 9,10-bis(3-(pyridin-3-yl)phenyl) anthracene connected to the charge generation layer. <i>Optics Express</i> , 2012 , 20, 14564-72	3.3 26
127	Indolo[3,2,1-jk]carbazole Embedded Multiple-Resonance Fluorophors for Narrowband Deep-blue Electroluminescence with EQEB4.7 % and CIE D.085. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 12269-12273	16.4 26
126	Stacking: a strategy to improve the electron mobilities of bipolar hosts for TADF and phosphorescent devices with low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3372-3381	7.1 25
125	Trifluoromethylation of tetraphenylborate counterions in cationic iridium(III) complexes: enhanced electrochemical stabilities, charge-transport abilities, and device performance. <i>Chemistry - A European Journal</i> , 2014 , 20, 15903-12	4.8 25
124	Simultaneously Enhanced Reverse Intersystem Crossing and Radiative Decay in Thermally Activated Delayed Fluorophors with Multiple Through-space Charge Transfers. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23771-23776	16.4 25
123	Rational Design of Chelated Aluminum Complexes toward Highly Efficient and Thermally Stable Electron-Transporting Materials. <i>Chemistry of Materials</i> , 2014 , 26, 3693-3700	9.6 24
122	White light emission from an exciplex based on a phosphine oxide type electron transport compound in a bilayer device structure. <i>RSC Advances</i> , 2013 , 3, 21453	3.7 24
121	High-Performance Organic Optocouplers Based on a Photosensitive Interfacial C60/NPB Heterojunction. <i>Advanced Materials</i> , 2009 , 21, 2501-2504	24 24
120	Review on photo- and electrical aging mechanisms for neutral excitons and ions in organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 803-820	7.1 24
119	Simultaneous enhancement of efficiency and stability of OLEDs with thermally activated delayed fluorescence materials by modifying carbazoles with peripheral groups. <i>Science China Chemistry</i> , 2019 , 62, 393-402	7.9 23

118	Sterically Wrapped Multiple Resonance Fluorophors for Suppression of Concentration Quenching and Spectrum Broadening. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	23
117	Electric Field inside a Hole-Only Device and Insights into Space-Charge-Limited Current Measurement for Organic Semiconductors. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 9990-9995	3.8	22
116	Highly efficient green phosphorescent organic light-emitting diodes with low efficiency roll-off based on iridium(III) complexes bearing oxadiazol-substituted amide ligands. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5469-5475	7.1	22
115	Positional isomerism effect of spirobifluorene and terpyridine moieties of (A)nD(A)n type electron transport materials for long-lived and highly efficient TADF-PhOLEDs. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 10276-10283	7.1	22
114	Toward fluorine-free blue-emitting cationic iridium complexes: to generate emission from the cyclometalating ligands with enhanced triplet energy. <i>Dalton Transactions</i> , 2016 , 45, 5604-13	4.3	21
113	Orange-red- and white-emitting diodes fabricated by vacuum evaporation deposition of sublimable cationic iridium complexes. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5051-5058	7.1	21
112	Triazolotriazine-based thermally activated delayed fluorescence materials for highly efficient fluorescent organic light-emitting diodes (TSF-OLEDs). <i>Science Bulletin</i> , 2021 , 66, 441-448	10.6	21
111	Efficient solution-processed phosphor-sensitized single-emitting-layer white organic light-emitting devices: fabrication, characteristics, and transient analysis of energy transfer. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5312		20
110	High-Brightness Perovskite Light-Emitting Diodes Based on FAPbBr ₃ Nanocrystals with Rationally Designed Aromatic Ligands. <i>ACS Energy Letters</i> , 2021 , 6, 2395-2403	20.1	20
109	Polycyclic Aromatic Hydrocarbon Derivatives toward Ideal Electron-Transporting Materials for Organic Light-Emitting Diodes. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 2528-2537	6.4	19
108	A flexible blue light sensitive organic photodiode with high properties for the applications in low-voltage-control circuit and flexion sensors. <i>Laser and Photonics Reviews</i> , 2014 , 8, 316-323	8.3	19
107	Persistent Luminescence Nanophosphor Involved Near-Infrared Optical Bioimaging for Investigation of Foodborne Probiotics Biodistribution in Vivo: A Proof-of-Concept Study. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 8229-8240	5.7	19
106	Non-Doped Sky-Blue OLEDs Based on Simple Structured AIE Emitters with High Efficiencies at Low Driven Voltages. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2189-2196	4.5	19
105	Thermally Decomposable Lithium Nitride as an Electron Injection Material for Highly Efficient and Stable OLEDs. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 13386-13390	3.8	19
104	Effects of ortho-Linkages on the Molecular Stability of Organic Light-Emitting Diode Materials. <i>Chemistry of Materials</i> , 2018 , 30, 8771-8781	9.6	19
103	Cationic Iridium Complexes with 5-Phenyl-1,2,4-triazole Type Cyclometalating Ligands: Toward Blue-Shifted Emission. <i>Inorganic Chemistry</i> , 2019 , 58, 12132-12145	5.1	18
102	Understanding the operational lifetime expansion methods of thermally activated delayed fluorescence sensitized OLEDs: a combined study of charge trapping and exciton dynamics. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1181-1191	7.8	18
101	Efficient blue-green and white organic light-emitting diodes with a small-molecule host and cationic iridium complexes as dopants. <i>Applied Physics A: Materials Science and Processing</i> , 2010 , 100, 1035-1040	2.6	18

100	Controlling Ion Distribution for High-Performance Organic Light-Emitting Diodes Based on Sublimable Cationic Iridium(III) Complexes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29814-29823	9.5	17
99	Low-Temperature Evaporable Re2O7: An Efficient p-Dopant for OLEDs. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 13763-13769	3.8	17
98	Deep-blue organic light-emitting diodes based on a doublet - transition cerium(III) complex with 100% exciton utilization efficiency. <i>Light: Science and Applications</i> , 2020 , 9, 157	16.7	17
97	Thermally activated delayed fluorescence material-sensitized helicene enantiomer-based OLEDs: a new strategy for improving the efficiency of circularly polarized electroluminescence. <i>Science China Materials</i> , 2021 , 64, 899-908	7.1	17
96	Multifunctional emitters for efficient simplified non-doped blueish green organic light emitting devices with extremely low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6527-6536	7.1	16
95	Polyethylenimine and sodium cholate-modified ethosomes complex as multidrug carriers for the treatment of melanoma through transdermal delivery. <i>Nanomedicine</i> , 2019 , 14, 2395-2408	5.6	16
94	Toward High-Performance Vacuum-Deposited OLEDs: Sublimable Cationic Iridium(III) Complexes with Yellow and Orange Electroluminescence. <i>Chemistry - A European Journal</i> , 2018 , 24, 5574-5583	4.8	16
93	Sublimable Cationic Iridium(III) Complexes with 1,10-Phenanthroline Derivatives as Ancillary Ligands for Highly Efficient and Polychromic Electroluminescence. <i>Chemistry - A European Journal</i> , 2016 , 22, 15888-15895	4.8	16
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91	Efficient red phosphorescent OLEDs based on the energy transfer from interface exciplex: the critical role of constituting molecules. <i>Science China Chemistry</i> , 2018 , 61, 836-843	7.9	16
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