

Lian Duan

List of Publications by Year in descending order

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238
papers

14,605
citations

15504

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all docs

241
docs citations

241
times ranked

8839
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution processable small molecules for organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2010, 20, 6392.	6.7	555
2	High-efficiency Fluorescent Organic Light-emitting Devices Using Sensitizing Hosts with a Small Singlet-Triplet Exchange Energy. <i>Advanced Materials</i> , 2014, 26, 5050-5055.	21.0	496
3	Sterically shielded blue thermally activated delayed fluorescence emitters with improved efficiency and stability. <i>Materials Horizons</i> , 2016, 3, 145-151.	12.2	430
4	Strategies to Design Bipolar Small Molecules for OLEDs: Donor-Acceptor Structure and Non-Donor-Acceptor Structure. <i>Advanced Materials</i> , 2011, 23, 1137-1144.	21.0	399
5	Recent progress in solution processable TADF materials for organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5577-5596.	5.5	370
6	Multi-Resonance Induced Thermally Activated Delayed Fluorophores for Narrowband Green OLEDs. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16912-16917.	13.8	356
7	Stable Enantiomers Displaying Thermally Activated Delayed Fluorescence: Efficient OLEDs with Circularly Polarized Electroluminescence. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2889-2893.	13.8	350
8	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.	14.9	298
9	Solid-state light-emitting electrochemical cells based on ionic iridium(III) complexes. <i>Journal of Materials Chemistry</i> , 2012, 22, 4206.	6.7	284
10	Blue-emitting Cationic Iridium Complexes with 2-(1 <i>H</i> -pyrazol-1-yl)pyridine as the Ancillary Ligand for Efficient Light-emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2008, 18, 2123-2131.	14.9	276
11	Mixed halide perovskites for spectrally stable and high-efficiency blue light-emitting diodes. <i>Nature Communications</i> , 2021, 12, 361.	12.8	268
12	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.	13.8	259
13	Efficient and Stable Deep-Blue Fluorescent Organic Light-emitting Diodes Employing a Sensitizer with Fast Triplet Upconversion. <i>Advanced Materials</i> , 2020, 32, e1908355.	21.0	242
14	Recent Progress in Ionic Iridium(III) Complexes for Organic Electronic Devices. <i>Advanced Materials</i> , 2017, 29, 1603253.	21.0	224
15	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.	21.0	217
16	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 - International Edition</i> , 2020, 59, 17499-17503.	13.8	211
17	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.	7.4	195
18	Axially Chiral TADF-Active Enantiomers Designed for Efficient Blue Circularly Polarized Electroluminescence. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3500-3504.	13.8	181

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19	Blocking Energy Loss Pathways for Ideal Fluorescent Organic Light-Emitting Diodes with Thermally Activated Delayed Fluorescent Sensitizers. <i>Advanced Materials</i> , 2018, 30, 1705250.	21.0	177
20	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.	16.6	171
21	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.	6.7	166
22	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.	21.0	143
23	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.	3.1	142
24	Sterically Wrapped Multiple Resonance Fluorophors for Suppression of Concentration Quenching and Spectrum Broadening. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	140
25	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.	6.7	138
26	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.	5.5	131
27	Emerging Self-Emissive Technologies for Flexible Displays. <i>Advanced Materials</i> , 2020, 32, e1902391.	21.0	131
28	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, 28693-28700.	8.0	128
29	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, 1088-1094.	10.1	124
30	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.	6.7	122
31	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.	14.9	117
32	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.	21.0	116
33	High Throughput Sequencing Identifies MicroRNAs Mediating α -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.	2.5	113
34	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, 3825-3832.	8.0	112
35	Ultrahigh-Efficiency Green PHOLEDs with a Voltage under 3 V and a Power Efficiency of Nearly 110 lm W ⁻¹ at Luminance of 10 000 cd m ⁻² . <i>Advanced Materials</i> , 2017, 29, 1702847.	21.0	112
36	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.	8.0	107

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37	Indolo[3,2,1 <i>jk</i>]carbazole Embedded Multiple-Resonance Fluorophors for Narrowband Deep-Blue Electroluminescence with EQE ^{int} 34.7% and CIE _y 0.085. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12269-12273.	3.8	106
38	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.	3.3	101
39	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.	13.8	100
40	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.	6.7	99
41	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.	4.1	98
42	Flexible Organic Triboelectric Transistor Memory for a Visible and Wearable Touch Monitoring System. <i>Advanced Materials</i> , 2016, 28, 106-110.	21.0	98
43	Fusion of Multi-Resonance Fragment with Conventional Polycyclic Aromatic Hydrocarbon for Nearly BT.2020 Green Emission. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	95
44	Controlling the Recombination Zone of White Organic Light-Emitting Diodes with Extremely Long Lifetimes. <i>Advanced Functional Materials</i> , 2011, 21, 3540-3545.	14.9	94
45	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.	30.8	94
46	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.	14.9	93
47	Heavy Atom Effect of Bromine Significantly Enhances Exciton Utilization of Delayed Fluorescence Luminogens. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17327-17334.	8.0	91
48	Multi-Resonance Induced Thermally Activated Delayed Fluorophores for Narrowband Green OLEDs. <i>Angewandte Chemie</i> , 2019, 131, 17068-17073.	2.0	91
49	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.	5.5	90
50	High-efficiency and low efficiency roll-off near-infrared fluorescent OLEDs through triplet fusion. <i>Chemical Science</i> , 2016, 7, 2888-2895.	7.4	88
51	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.	5.5	87
52	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.	2.6	85
53	Highly-efficient blue electroluminescence based on two emitter isomers. <i>Applied Physics Letters</i> , 2004, 84, 1513-1515.	3.3	81
54	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.	3.6	81

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55	Efficient single layer solution-processed blue-emitting electrophosphorescent devices based on a small-molecule host. <i>Applied Physics Letters</i> , 2008, 92, 263301.	3.3	79
56	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.	3.1	79
57	One-Dimensional All-Inorganic K_2CuBr_3 with Violet Emission as Efficient X-ray Scintillators. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2242-2249.	4.3	77
58	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.	6.7	76
59	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.	2.6	76
60	A Ir^{III} and Ir^{I} 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.	21.0	76
61	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.	8.0	75
62	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.	3.1	74
63	Tough, stable and self-healing luminescent perovskite-polymer matrix applicable to all harsh aquatic environments. <i>Nature Communications</i> , 2022, 13, 1338.	12.8	73
64	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.	2.0	72
65	Novel star-shaped host materials for highly efficient solution-processed phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2010, 20, 6131.	6.7	71
66	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.	14.9	70
67	High-stability organic red-light photodetector for narrowband applications. <i>Laser and Photonics Reviews</i> , 2016, 10, 473-480.	8.7	69
68	High-Performance Fluorescent Organic Light-Emitting Diodes Utilizing an Asymmetric Anthracene Derivative as an Electron-Transporting Material. <i>Advanced Materials</i> , 2018, 30, e1707590.	21.0	68
69	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.	17.4	67
70	Impacts of Sn precursors on solution-processed amorphous zinc-tin oxide films and their transistors. <i>RSC Advances</i> , 2012, 2, 5307.	3.6	66
71	Synthesis, Characterization, and Photophysical and Electroluminescent Properties of Blue-Emitting Cationic Iridium(III) Complexes Bearing Nonconjugated Ligands. <i>Inorganic Chemistry</i> , 2014, 53, 6596-6606.	4.0	66
72	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, 7303-7314.	8.0	60

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73	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.	7.3	60
74	Efficient solution-processed electrophosphorescent devices using ionic iridium complexes as the dopants. <i>Organic Electronics</i> , 2009, 10, 152-157.	2.6	59
75	Bright single-active layer small-molecular organic light-emitting diodes with a polytetrafluoroethylene barrier. <i>Applied Physics Letters</i> , 2003, 82, 155-157.	3.3	58
76	Multi-Resonance Deep-Red Emitters with Shallow Potential Energy Surfaces to Surpass Energy Gap Law**. <i>Angewandte Chemie</i> , 2021, 133, 20661-20666.	2.0	58
77	Stable Enantiomers Displaying Thermally Activated Delayed Fluorescence: Efficient OLEDs with Circularly Polarized Electroluminescence. <i>Angewandte Chemie</i> , 2018, 130, 2939-2943.	2.0	57
78	Star-shaped dendritic hosts based on carbazole moieties for highly efficient blue phosphorescent OLEDs. <i>Journal of Materials Chemistry</i> , 2012, 22, 12016.	6.7	56
79	Accelerating Radiative Decay in Blue Through-Space Charge Transfer Emitters by Minimizing the Face-to-Face Donor-Acceptor Distances. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	56
80	Direct optical patterning of perovskite nanocrystals with ligand cross-linkers. <i>Science Advances</i> , 2022, 8, eabm8433.	10.3	54
81	Increased phosphorescent quantum yields of cationic iridium(III) complexes by wisely controlling the counter anions. <i>Chemical Communications</i> , 2014, 50, 530-532.	4.1	51
82	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.	5.5	51
83	New Insights into Tunable Volatility of Ionic Materials through Counter-Ion Control. <i>Advanced Functional Materials</i> , 2016, 26, 3438-3445.	14.9	51
84	lSMT1, 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.	2.3	50
85	Long-Lived and Highly Efficient TADF-PhOLED with $\alpha(A)_n\beta(A)_n$ -Structured Terpyridine Electron-Transporting Material. <i>Advanced Functional Materials</i> , 2018, 28, 1800429.	14.9	49
86	High Performance Thermally Activated Delayed Fluorescence Sensitized Organic Light-Emitting Diodes. <i>Chemical Record</i> , 2019, 19, 1611-1623.	5.8	49
87	Progress on Light-Emitting Electrochemical Cells toward Blue Emission, High Efficiency, and Long Lifetime. <i>Advanced Functional Materials</i> , 2020, 30, 1907156.	14.9	49
88	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.	14.9	48
89	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.	5.5	48
90	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.	3.1	47

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91	Decolorization of Acid Orange II dye by peroxymonosulfate activated with magnetic Fe ₃ O ₄ @C/Co nanocomposites. RSC Advances, 2015, 5, 76862-76874.	3.6	47
92	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.	8.0	47
93	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.	12.7	47
94	TADF sensitization targets deep-blue. Nature Photonics, 2021, 15, 173-174.	31.4	47
95	Air Stable Organic Salt As an n-Type Dopant for Efficient and Stable Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2015, 7, 6444-6450.	8.0	46
96	A combinational molecular design to achieve highly efficient deep-blue electrofluorescence. Journal of Materials Chemistry C, 2018, 6, 745-753.	5.5	45
97	Charge Transport in Mixed Organic Disorder Semiconductors: Trapping, Scattering, and Effective Energetic Disorder. Journal of Physical Chemistry C, 2012, 116, 19748-19754.	3.1	44
98	Thermally Activated Delayed Fluorescent Materials Combining Intra- and Intermolecular Charge Transfers. ACS Applied Materials & Interfaces, 2019, 11, 7192-7198.	8.0	44
99	Deep-blue organic light-emitting diodes based on a doublet $d\text{--}f$ transition cerium(III) complex with 100% exciton utilization efficiency. Light: Science and Applications, 2020, 9, 157.	16.6	43
100	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, 23197-23203.	8.0	42
101	Making silver a stronger n-dopant than cesium via in situ coordination reaction for organic electronics. Nature Communications, 2019, 10, 866.	12.8	42
102	A new type of light-emitting naphtho[2,3-c][1,2,5]thiadiazole derivatives: synthesis, photophysical characterization and transporting properties. Journal of Materials Chemistry, 2008, 18, 806.	6.7	41
103	Efficient $n\text{--}p$ Dopants and Their Roles in Organic Electronics. Advanced Optical Materials, 2018, 6, 1800536.	7.3	41
104	Pure red electroluminescence from a host material of binuclear gallium complex. Applied Physics Letters, 2002, 81, 4913-4915.	3.3	40
105	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.	8.0	40
106	Triazolotriazine-based thermally activated delayed fluorescence materials for highly efficient fluorescent organic light-emitting diodes (TSF-OLEDs). Science Bulletin, 2021, 66, 441-448.	9.0	40
107	Nitrogen-Embedded Multi-Resonance Heteroaromatics with Prolonged Homogeneous Hexatomic Rings. Angewandte Chemie - International Edition, 2022, 61, .	13.8	40
108	Highly Efficient and Stable Blue Organic Light-Emitting Diodes based on Thermally Activated Delayed Fluorophor with Donor-Void-Acceptor Motif. Advanced Science, 2022, 9, e2106018.	11.2	40

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109	Highly efficient and stable deep-blue OLEDs based on narrowband emitters featuring an orthogonal spiro-configured indolo[3,2,1- <i>de</i>]acridine structure. <i>Chemical Science</i> , 2022, 13, 5622-5630.	7.4	39
110	Highly efficient blue-green organic light-emitting diodes achieved by controlling the anionic migration of cationic iridium complexes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5731-5738.	5.5	36
111	Effects of <i>ortho</i> -Linkages on the Molecular Stability of Organic Light-Emitting Diode Materials. <i>Chemistry of Materials</i> , 2018, 30, 8771-8781.	6.7	36
112	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.	6.3	36
113	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.	8.0	35
114	Color-Tunable All-Fluorescent White Organic Light-Emitting Diodes with a High External Quantum Efficiency Over 30% and Extended Device Lifetime. <i>Advanced Materials</i> , 2022, 34, e2103102.	21.0	35
115	Blue-green emitting cationic iridium complexes with 1,3,4-oxadiazole cyclometalating ligands: synthesis, photophysical and electrochemical properties, theoretical investigation and electroluminescent devices. <i>Dalton Transactions</i> , 2015, 44, 15914-15923.	3.3	34
116	Charge Transport in Amorphous Organic Semiconductors: Effects of Disorder, Carrier Density, Traps, and Scatters. <i>Israel Journal of Chemistry</i> , 2014, 54, 918-926.	2.3	33
117	Transfer-printed, tandem microscale light-emitting diodes for full-color displays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	33
118	Lanthanide Cerium(III) Tris(pyrazolyl)borate Complexes: Efficient Blue Emitters for Doublet Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45686-45695.	8.0	33
119	Sterically Wrapped Multiple Resonance Fluorophors for Suppression of Concentration Quenching and Spectrum Broadening. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	32
120	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.	5.5	31
121	High-Performance Organic Optocouplers Based on a Photosensitive Interfacial C ₆₀ /NPB Heterojunction. <i>Advanced Materials</i> , 2009, 21, 2501-2504.	21.0	29
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.	3.6	29
123	Cationic Iridium Complexes with 5-Phenyl-1H-1,2,4-triazole Type Cyclometalating Ligands: Toward Blue-Shifted Emission. <i>Inorganic Chemistry</i> , 2019, 58, 12132-12145.	4.0	29
124	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.	8.2	29
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, 15903-15912.	3.3	28
126	Rational Design of Chelated Aluminum Complexes toward Highly Efficient and Thermally Stable Electron-Transporting Materials. <i>Chemistry of Materials</i> , 2014, 26, 3693-3700.	6.7	28

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127	π-π 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.	5.5	28
128	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.	5.9	28
129	Tandem organic light-emitting diodes with KBH ₄ doped 9,10-bis(3-(pyridin-3-yl)phenyl) anthracene connected to the charge generation layer. <i>Optics Express</i> , 2012, 20, 14564.	3.4	27
130	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.	4.6	27
131	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.	3.3	26
132	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.	3.1	25
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