

Lian Duan

List of Publications by Year in descending order

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222
papers

11,837
citations

22099

59
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32761

100
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224
all docs

224
docs citations

224
times ranked

8195
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	Highly Efficient Fluorescent Organic Light-Emitting Devices Using Sensitizing Hosts with a Small Singlet-Triplet Exchange Energy. <i>Advanced Materials</i> , 2014, 26, 5050-5055.	11.1	496
3	Sterically shielded blue thermally activated delayed fluorescence emitters with improved efficiency and stability. <i>Materials Horizons</i> , 2016, 3, 145-151.	6.4	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.	11.1	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.	2.7	370
6	Stable Enantiomers Displaying Thermally Activated Delayed Fluorescence: Efficient OLEDs with Circularly Polarized Electroluminescence. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2889-2893.	7.2	350
7	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.	7.8	298
8	Solid-state light-emitting electrochemical cells based on ionic iridium(III) complexes. <i>Journal of Materials Chemistry</i> , 2012, 22, 4206.	6.7	284
9	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.	7.8	276
10	Recent Progress in Ionic Iridium(III) Complexes for Organic Electronic Devices. <i>Advanced Materials</i> , 2017, 29, 1603253.	11.1	224
11	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.	11.1	217
12	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.	3.7	195
13	Blocking Energy-Loss Pathways for Ideal Fluorescent Organic Light-Emitting Diodes with Thermally Activated Delayed Fluorescent Sensitizers. <i>Advanced Materials</i> , 2018, 30, 1705250.	11.1	177
14	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.	7.7	171
15	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.	3.2	166
16	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.	1.5	142
17	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.	3.2	138
18	Synthesis, Structure, Properties, and Application of a Carbazole-Based Diaza[7]helicene in a Deep-Blue-Emitting OLED. <i>Chemistry - A European Journal</i> , 2012, 18, 8092-8099.	1.7	133

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19	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.	2.7	131
20	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.	4.0	128
21	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
22	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.	7.8	117
23	High-Mobility Solution-Processed Tin Oxide Thin-Film Transistors with High- ϵ Alumina Dielectric Working in Enhancement Mode. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 20786-20794.	4.0	113
24	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.	4.0	112
25	Ultra-high 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.	11.1	112
26	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.	4.0	107
27	Tuning of Charge Balance in Bipolar Host Materials for Highly Efficient Solution-Processed Phosphorescent Devices. <i>Organic Letters</i> , 2011, 13, 3146-3149.	2.4	102
28	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.	1.5	101
29	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.	2.2	98
30	Flexible Organic Triboelectric Transistor Memory for a Visible and Wearable Touch Monitoring System. <i>Advanced Materials</i> , 2016, 28, 106-110.	11.1	98
31	Controlling the Recombination Zone of White Organic Light-Emitting Diodes with Extremely Long Lifetimes. <i>Advanced Functional Materials</i> , 2011, 21, 3540-3545.	7.8	94
32	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.	15.6	94
33	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.	7.8	93
34	Heavy Atom Effect of Bromine Significantly Enhances Exciton Utilization of Delayed Fluorescence Luminogens. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17327-17334.	4.0	91
35	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.	2.7	90
36	Efficient Near-Infrared-Emitting Cationic Iridium Complexes as Dopants for OLEDs with Small Efficiency Roll-off. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11658-11664.	1.5	89

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37	High-efficiency and low efficiency roll-off near-infrared fluorescent OLEDs through triplet fusion. <i>Chemical Science</i> , 2016, 7, 2888-2895.	3.7	88
38	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.	2.7	87
39	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.	1.4	85
40	Thermally Activated Delayed Fluorescence Sensitized Phosphorescence: A Strategy To Break the Trade-Off between Efficiency and Efficiency Roll-Off. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15154-15159.	4.0	85
41	Highly-efficient blue electroluminescence based on two emitter isomers. <i>Applied Physics Letters</i> , 2004, 84, 1513-1515.	1.5	81
42	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.	1.7	81
43	Efficient single layer solution-processed blue-emitting electrophosphorescent devices based on a small-molecule host. <i>Applied Physics Letters</i> , 2008, 92, 263301.	1.5	79
44	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.	1.5	79
45	High-efficiency organic light-emitting diodes with tunable light emission by using aromatic diamine/5,6,11,12-tetraphenylanthracene multiple quantum wells. <i>Applied Physics Letters</i> , 2002, 81, 3540-3542.	1.5	77
46	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
47	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.	1.4	76
48	A D and A 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.	11.1	76
49	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.	4.0	75
50	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.	1.5	74
51	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
52	Efficient solution-processed small-molecule single emitting layer electrophosphorescent white light-emitting diodes. <i>Organic Electronics</i> , 2010, 11, 1344-1350.	1.4	70
53	High-stability organic red-light photodetector for narrowband applications. <i>Laser and Photonics Reviews</i> , 2016, 10, 473-480.	4.4	69
54	High-Performance Fluorescent Organic Light-Emitting Diodes Utilizing an Asymmetric Anthracene Derivative as an Electron-Transporting Material. <i>Advanced Materials</i> , 2018, 30, e1707590.	11.1	68

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55	Impacts of Sn precursors on solution-processed amorphous zinc tin oxide films and their transistors. <i>RSC Advances</i> , 2012, 2, 5307.	1.7	66
56	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.	1.9	66
57	Synthesis, Crystal Structure, and Luminescent Properties of a Binuclear Gallium Complex with Mixed Ligands. <i>Inorganic Chemistry</i> , 2004, 43, 5096-5102.	1.9	65
58	Control of Intramolecular π - π Stacking Interaction in Cationic Iridium Complexes via Fluorination of Pendant Phenyl Rings. <i>Inorganic Chemistry</i> , 2012, 51, 4502-4510.	1.9	63
59	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.	4.0	60
60	Efficient solution-processed electrophosphorescent devices using ionic iridium complexes as the dopants. <i>Organic Electronics</i> , 2009, 10, 152-157.	1.4	59
61	Bright single-active layer small-molecular organic light-emitting diodes with a polytetrafluoroethylene barrier. <i>Applied Physics Letters</i> , 2003, 82, 155-157.	1.5	58
62	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
63	Novel fluorene/carbazole hybrids with steric bulk as host materials for blue organic electrophosphorescent devices. <i>Tetrahedron</i> , 2007, 63, 10161-10168.	1.0	55
64	High-Efficiency Narrow-Band Electro-Fluorescent Devices with Thermally Activated Delayed Fluorescence Sensitizers Combined Through-Bond and Through-Space Charge Transfers. <i>CCS Chemistry</i> , 2020, 2, 1268-1277.	4.6	55
65	Increased phosphorescent quantum yields of cationic iridium(III) complexes by wisely controlling the counter anions. <i>Chemical Communications</i> , 2014, 50, 530-532.	2.2	51
66	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.	2.7	51
67	New Insights into Tunable Volatility of Ionic Materials through Counterion Control. <i>Advanced Functional Materials</i> , 2016, 26, 3438-3445.	7.8	51
68	Towards highly efficient red thermally activated delayed fluorescence materials by the control of intra-molecular π - π stacking interactions. <i>Nanotechnology</i> , 2016, 27, 094001.	1.3	51
69	Ethynylphenyl-Linked Carbazoles as a Single-Emitting Component for White Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2009, 21, 4638-4644.	3.2	49
70	Morphology and fluorescence spectra of rubrene single crystals grown by physical vapor transport. <i>Applied Surface Science</i> , 2007, 253, 6047-6051.	3.1	48
71	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.	1.5	47
72	Solution-processed blue-green organic light-emitting diodes based on cationic iridium complexes with 1-pyridyl-3-methylimidazolin-2-ylidene-C ₂ as the ancillary ligand. <i>Organic Electronics</i> , 2012, 13, 1277-1288.	1.4	46

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73	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, 6444-6450.	4.0	46
74	Fabrication of highly oriented large-scale TIPS pentacene crystals and transistors by the Marangoni effect-controlled growth method. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 6274-6279.	1.3	45
75	A combinational molecular design to achieve highly efficient deep-blue electrofluorescence. <i>Journal of Materials Chemistry C</i> , 2018, 6, 745-753.	2.7	45
76	Charge Transport in Mixed Organic Disorder Semiconductors: Trapping, Scattering, and Effective Energetic Disorder. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19748-19754.	1.5	44
77	Alcohol-Soluble Electron-Transport Small Molecule for Fully Solution-Processed Multilayer White Electrophosphorescent Devices. <i>Organic Letters</i> , 2014, 16, 1140-1143.	2.4	42
78	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, 23197-23203.	4.0	42
79	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.	6.7	41
80	Pure red electroluminescence from a host material of binuclear gallium complex. <i>Applied Physics Letters</i> , 2002, 81, 4913-4915.	1.5	40
81	Substituted azomethine π -zinc complexes: Thermal stability, photophysical, electrochemical and electron transport properties. <i>Inorganica Chimica Acta</i> , 2009, 362, 2327-2333.	1.2	38
82	Squarylium and rubrene based filterless narrowband photodetectors for an all-organic two-channel visible light communication system. <i>Organic Electronics</i> , 2016, 37, 346-351.	1.4	38
83	Homoepitaxy Growth of Well-Ordered Rubrene Thin Films. <i>Crystal Growth and Design</i> , 2008, 8, 1617-1622.	1.4	37
84	Highly efficient blue-green organic light-emitting diodes achieved by controlling the anionic migration of cationic iridium(π) complexes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5731-5738.	2.7	36
85	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.	4.0	35
86	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, 15914-15923.	1.6	34
87	Simplified single-emitting-layer hybrid white organic light-emitting diodes with high efficiency, low efficiency roll-off, high color rendering index and superior color stability. <i>Organic Electronics</i> , 2017, 49, 242-248.	1.4	34
88	TADF molecules with π -extended acceptors for simplified high-efficiency blue and white organic light-emitting diodes. <i>CheM</i> , 2022, 8, 1705-1719.	5.8	34
89	Charge Transport in Amorphous Organic Semiconductors: Effects of Disorder, Carrier Density, Traps, and Scatters. <i>Israel Journal of Chemistry</i> , 2014, 54, 918-926.	1.0	33
90	High-Performance Transistors Based on Zinc Tin Oxides by Single Spin-Coating Process. <i>Langmuir</i> , 2013, 29, 151-157.	1.6	32

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91	Influence of Molecular Packing on Intramolecular Reorganization Energy: A Case Study of Small Molecules. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14848-14852.	1.5	31
92	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.	2.7	31
93	High-Performance Organic Optocouplers Based on a Photosensitive Interfacial C ₆₀ /NPB Heterojunction. <i>Advanced Materials</i> , 2009, 21, 2501-2504.	11.1	29
94	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.	1.7	29
95	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.	4.2	29
96	A perspective on blue TADF materials based on carbazole-benzonitrile derivatives for efficient and stable OLEDs. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	29
97	Amine-Directed Formation of B-N Bonds for BN-Fused Polycyclic Aromatic Multiple Resonance Emitters with Narrowband Emission. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	29
98	Highly efficient blue electroluminescence based on a new anthracene derivative. <i>Synthetic Metals</i> , 2004, 141, 245-249.	2.1	28
99	Ideal Bipolar Host Materials with Bis-benzimidazole Unit for Highly Efficient Solution-Processed Green Electrophosphorescent Devices. <i>Organic Letters</i> , 2014, 16, 5346-5349.	2.4	28
100	Rational Design of Chelated Aluminum Complexes toward Highly Efficient and Thermally Stable Electron-Transporting Materials. <i>Chemistry of Materials</i> , 2014, 26, 3693-3700.	3.2	28
101	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.	2.7	28
102	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.	1.7	27
103	The intramolecular π-π stacking interaction does not always work for improving the stabilities of light-emitting electrochemical cells. <i>Organic Electronics</i> , 2012, 13, 2442-2449.	1.4	27
104	Relationship between Mobilities from Time-of-Flight and Dark-Injection Space-Charge-Limited Current Measurements for Organic Semiconductors: A Monte Carlo Study. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6052-6058.	1.5	26
105	Electroluminescence enhancement by blending PVK with an alternating copolymer containing triphenylamine and phenylene units. <i>Synthetic Metals</i> , 2001, 123, 39-42.	2.1	25
106	Facile Fabrication of Metallic Nanostructures by Tunable Cracking and Transfer Printing. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12478-12482.	7.2	25
107	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.	1.5	25
108	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.	2.7	25

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109	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.	2.7	25
110	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, 5604-5613.	1.6	25
111	Novel carbazole/pyridine-based host material for solution-processed blue phosphorescent organic light-emitting devices. <i>Dyes and Pigments</i> , 2012, 92, 891-896.	2.0	24
112	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.	1.7	24
113	Multilayer blue polymer light-emitting devices with spin-coated interlayers. <i>Synthetic Metals</i> , 2007, 157, 343-346.	2.1	23
114	Stable blue-green light-emitting electrochemical cells based on a cationic iridium complex with phenylpyrazole as the cyclometalated ligands. <i>Organic Electronics</i> , 2012, 13, 1948-1955.	1.4	23
115	Morphological Structure and Optical Property of Anthracene Single Crystals Grown from Solution. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 7789.	0.8	22
116	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.	1.5	22
117	An Ambipolar Transporting Naphtho[2,3-c][1,2,5]thiadiazole Derivative with High Electron and Hole Mobilities. <i>Organic Letters</i> , 2009, 11, 2069-2072.	2.4	22
118	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.	4.4	22
119	Multifunctional Organic Phototransistor-based Nonvolatile Memory Achieved by UV/Ozone Treatment of the Ta ₂ O ₅ Gate Dielectric. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8337-8344.	4.0	22
120	High efficiency red phosphorescent organic light-emitting diodes with low dopant concentration, low roll-off and long lifetime based on a novel host material with thermally activated delayed fluorescent properties. <i>Organic Electronics</i> , 2018, 57, 53-59.	1.4	22
121	A novel hyperbranched conjugated polymer for electroluminescence application. <i>Synthetic Metals</i> , 2001, 124, 373-377.	2.1	21
122	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.	1.1	21
123	Tetraphenylborate versus tetraimidazolylborate as counterions for cationic iridium(III) complexes: enhanced electrochemical stabilities and electroluminescence. <i>Dalton Transactions</i> , 2015, 44, 8521-8528.	1.6	21
124	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.	2.7	21
125	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.	1.7	21
126	Fluorine-free, highly efficient, blue-green and sky-blue-emitting cationic iridium complexes and their use for efficient organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1509-1520.	2.7	21

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127	Synthesis, Structures, and Optical Properties of Cadmium Iodide/Phenethylamine Hybrid Materials with Controlled Structures and Emissions. <i>Inorganic Chemistry</i> , 2007, 46, 10252-10260.	1.9	20
128	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.	6.7	20
129	<i>Review Paper</i> : Progress on efficient cathodes for organic light-emitting diodes. <i>Journal of the Society for Information Display</i> , 2011, 19, 453-461.	0.8	20
130	Stable and efficient blue fluorescent organic light-emitting diode by blade coating with or without electron-transport layer. <i>Organic Electronics</i> , 2017, 51, 6-15.	1.4	20
131	Effects of cathode thickness and thermal treatment on the design of balanced blue light-emitting polymer device. <i>Applied Physics Letters</i> , 2004, 85, 4496.	1.5	19
132	Small molecular phosphorescent organic light-emitting diodes using a spin-coated hole blocking layer. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	19
133	Organic cesium salt as an efficient electron injection material for organic light-emitting diodes. <i>Applied Physics Letters</i> , 2008, 93, 183302.	1.5	18
134	Low-Temperature Evaporable Re ₂ O ₇ : An Efficient p-Dopant for OLEDs. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13763-13769.	1.5	18
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