Lian Duan

List of Publications by Year
in descending order

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222	11,837	22153	31849
papers	citations	59 h-index	101 g-index

224	224	224	8195
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	OLEDs using molecular TADF materials as hosts. , 2022, , 289-352.		0
2	TADF molecules with Ï€-extended acceptors for simplified high-efficiency blue and white organic light-emitting diodes. CheM, 2022, 8, 1705-1719.	11.7	34
3	Amineâ€Directed Formation of Bâ^'N Bonds for BNâ€Fused Polycyclic Aromatic Multiple Resonance Emitters with Narrowband Emission. Angewandte Chemie - International Edition, 2022, 61, .	13.8	29
4	Suppressing Competitive Coordination Reaction for Ohmic Cathode Contact Using Amino-Substituted Organic Ligands and Air-Stable Metals. CCS Chemistry, 2021, 3, 367-376.	7.8	6
5	A Ï€â€“D and Ï€â€“A Exciplexâ€Forming Host for Highâ€Efficiency and Longâ€Lifetime Singleâ€Emissiveâ€Layer Fluorescent White Organic Lightâ€Emitting Diodes. Advanced Materials, 2020, 32, e2004040.	21.0	76
6	A perspective on blue TADF materials based on carbazole-benzonitrile derivatives for efficient and stable OLEDs. Applied Physics Letters, 2020, 116, .	3.3	29
7	High-Efficiency Narrow-Band Electro-Fluorescent Devices with Thermally Activated Delayed Fluorescence Sensitizers Combined Through-Bond and Through-Space Charge Transfers. CCS Chemistry, 2020, 2, 1268-1277.	7.8	55
8	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.	8.2	29
9	Recent progress in solution processable TADF materials for organic light-emitting diodes. Journal of Materials Chemistry C, 2018, 6, 5577-5596.	5.5	370
10	Efficient deep blue emitter based on the integration of phenanthroimidazole, triphenylamine and tetraphenylethene for organic light emitting devices. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 359, 87-92.	3.9	11
11	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. Organic Electronics, 2018, 57, 53-59.	2.6	22
12	Toward Highâ€Performance Vacuumâ€Deposited OLEDs: Sublimable Cationic Iridium(III) Complexes with Yellow and Orange Electroluminescence. Chemistry - A European Journal, 2018, 24, 5574-5583.	3.3	21
13	Stable Organic Radicals as Hole Injection Dopants for Efficient Optoelectronics. ACS Applied Materials & Interfaces, 2018, 10, 4882-4886.	8.0	14
14	Deep insights into the viscosity of small molecular solutions for organic light-emitting diodes. RSC Advances, 2018, 8, 4153-4161.	3.6	9
15	Stable Enantiomers Displaying Thermally Activated Delayed Fluorescence: Efficient OLEDs with Circularly Polarized Electroluminescence. Angewandte Chemie - International Edition, 2018, 57, 2889-2893.	13.8	350
16	Blocking Energyâ€Loss Pathways for Ideal Fluorescent Organic Lightâ€Emitting Diodes with Thermally Activated Delayed Fluorescent Sensitizers. Advanced Materials, 2018, 30, 1705250.	21.0	177
17	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.	5.5	21
18	Versatile Indolocarbazoleâ€Isomer Derivatives as Highly Emissive Emitters and Ideal Hosts for Thermally Activated Delayed Fluorescent OLEDs with Alleviated Efficiency Rollâ€Off. Advanced Materials, 2018, 30, 1705406.	21.0	217

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19	Heavy Atom Effect of Bromine Significantly Enhances Exciton Utilization of Delayed Fluorescence Luminogens. ACS Applied Materials & Interfaces, 2018, 10, 17327-17334.	8.0	91
20	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.	8.0	35
21	Triphenylvinyl anthracene based emitter for non-doped blue light emitting devices with unusual emission behavior. Optical Materials, 2018, 79, 8-11.	3.6	3
22	Vacuumâ€Deposited versus Spinâ€Coated Emissive Layers for Fabricating Highâ€Performance Blueâ€“Greenâ€Emitting Diodes. ChemPlusChem, 2018, 83, 211-216.	2.8	9
23	A combinational molecular design to achieve highly efficient deep-blue electrofluorescence. Journal of Materials Chemistry C, 2018, 6, 745-753.	5.5	45
24	Highâ€Performance Fluorescent Organic Lightâ€Emitting Diodes Utilizing an Asymmetric Anthracene Derivative as an Electronâ€Transporting Material. Advanced Materials, 2018, 30, e1707590.	21.0	68
25	High-performance yellow- and orange-emitting diodes based on novel sublimable cationic iridium(<scp>iii</scp>) complexes by ligand control. Journal of Materials Chemistry C, 2018, 6, 5630-5638.	5.5	9
26	Highly Efficient Full-Color Thermally Activated Delayed Fluorescent Organic Light-Emitting Diodes: Extremely Low Efficiency Roll-Off Utilizing a Host with Small Singletâ€“Triplet Splitting. ACS Applied Materials & Interfaces, 2017, 9, 4769-4777.	8.0	107
27	Ï€â€“Ï€ 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.	5.5	28
28	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.	8.0	75
29	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.	8.0	16
30	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.	6.7	138
31	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. Organic Electronics, 2017, 49, 242-248.	2.6	34
32	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.	5.5	21
33	Sustainable phosphorescence based on solution-processable and vacuum-sublimable cationic ruthenium(II) complexes achieved by counter-ion control. Organic Electronics, 2017, 42, 194-202.	2.6	15
34	Synthesis and properties of a thiophene-substituted diaza[7]helicene for application as a blue emitter in organic light-emitting diodes. Tetrahedron Letters, 2017, 58, 531-535.	1.4	16
35	Organic Radicals Outperform LiF as Efficient Electron-Injection Materials for Organic Light-Emitting Diodes. Journal of Physical Chemistry Letters, 2017, 8, 4769-4773.	4.6	15
36	Ultrahighâ€Efficiency Green PHOLEDs with a Voltage under 3 V and a Power Efficiency of Nearly 110 lm W^{â^'1} at Luminance of 10 000 cd m^{â^'2}. Advanced Materials, 2017, 29, 1702847.	21.0	112

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37	Nonâ€Doped Skyâ€Blue OLEDs Based on Simple Structured AIE Emitters with High Efficiencies at Low Driven Voltages. Chemistry - an Asian Journal, 2017, 12, 2189-2196.	3.3	24
38	Stable and efficient blue fluorescent organic light-emitting diode by blade coating with or without electron-transport layer. Organic Electronics, 2017, 51, 6-15.	2.6	20
39	Recent Progress in Ionic Iridium(III) Complexes for Organic Electronic Devices. Advanced Materials, 2017, 29, 1603253.	21.0	224
40	Highly efficient blue-green organic light-emitting diodes achieved by controlling the anionic migration of cationic iridium(<scp>iii</scp>) complexes. Journal of Materials Chemistry C, 2016, 4, 5731-5738.	5.5	36
41	Colour-tunable asymmetric cyclometalated Pt(<scp>ii</scp>) complexes and STM-assisted stability assessment of ancillary ligands for OLEDs. Journal of Materials Chemistry C, 2016, 4, 2560-2565.	5.5	51
42	Highly efficient green phosphorescent organic light-emitting diodes with low efficiency roll-off based on iridium(<scp>iii</scp>) complexes bearing oxadiazol-substituted amide ligands. Journal of Materials Chemistry C, 2016, 4, 5469-5475.	5.5	25
43	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.	5.5	25
44	Liâ€‰:â€‰Mg alloy with variable work function as highly efficient cathode for organic light-emitting devices. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 3245-3249.	1.8	4
45	Efficient n-type dopants with extremely low doping ratios for high performance inverted perovskite solar cells. Energy and Environmental Science, 2016, 9, 3424-3428.	30.8	94
46	[Ir(ppy)2pyim]PF6dielectric mixed with PMMA for area emission transistors. RSC Advances, 2016, 6, 94010-94013.	3.6	0
47	Cationic iridium(III) complexes with different-sized negative counter-ions for solution-processed deep-blue-emitting diodes. Organic Electronics, 2016, 39, 16-24.	2.6	12
48	Full-solution-processed high mobility zinc-tin-oxide thin-film-transistors. Science China Technological Sciences, 2016, 59, 1407-1412.	4.0	9
49	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
50	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.	4.1	13
51	Synergistic effects of water addition and step heating on the formation of solution-processed zinc tin oxide thin films: towards high-mobility polycrystalline transistors. Nanotechnology, 2016, 27, 465204.	2.6	3
52	Sublimable Cationic Iridium(III) Complexes with 1,10â€Phenanthroline Derivatives as Ancillary Ligands for Highly Efficient and Polychromic Electroluminescence. Chemistry - A European Journal, 2016, 22, 15888-15895.	3.3	17
53	Squarylium and rubrene based filterless narrowband photodetectors for an all-organic two-channel visible light communication system. Organic Electronics, 2016, 37, 346-351.	2.6	38
54	New Insights into Tunable Volatility of Ionic Materials through Counterâ€Ion Control. Advanced Functional Materials, 2016, 26, 3438-3445.	14.9	51

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55	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.	3.7	18
56	Highâ€stability organic redâ€light photodetector for narrowband applications. Laser and Photonics Reviews, 2016, 10, 473-480.	8.7	69
57	Using an organic radical precursor as an electron injection material for efficient and stable organic light-emitting diodes. Nanotechnology, 2016, 27, 174001.	2.6	18
58	Red phosphorescent organic light-emitting diodes based on a novel host material with thermally activated delayed fluorescent properties. Science China Chemistry, 2016, 59, 684-691.	8.2	11
59	High-efficiency and low efficiency roll-off near-infrared fluorescent OLEDs through triplet fusion. Chemical Science, 2016, 7, 2888-2895.	7.4	88
60	Simultaneous Enhancement of Efficiency and Stability of Phosphorescent OLEDs Based on Efficient FÃ¶rster Energy Transfer from Interface Exciplex. ACS Applied Materials & Interfaces, 2016, 8, 3825-3832.	8.0	112
61	Toward highly efficient blue organic light-emitting diodes: fabricating a good-quality emissive layer cast from suitable solvents. Dalton Transactions, 2016, 45, 6118-6123.	3.3	10
62	Multi-scale calculation of the electric properties of organic-based devices from the molecular structure. Organic Electronics, 2016, 33, 164-171.	2.6	11
63	Flexible Organic Tribotronic Transistor Memory for a Visible and Wearable Touch Monitoring System. Advanced Materials, 2016, 28, 106-110.	21.0	98
64	Toward fluorine-free blue-emitting cationic iridium complexes: to generate emission from the cyclometalating ligands with enhanced triplet energy. Dalton Transactions, 2016, 45, 5604-5613.	3.3	25
65	Highly efficient blue thermally activated delayed fluorescent OLEDs with record-low driving voltages utilizing high triplet energy hosts with small singletâ€“triplet splittings. Chemical Science, 2016, 7, 3355-3363.	7.4	195
66	Towards highly efficient red thermally activated delayed fluorescence materials by the control of intra-molecularÏ€â€“Ï€stacking interactions. Nanotechnology, 2016, 27, 094001.	2.6	51
67	Sterically shielded blue thermally activated delayed fluorescence emitters with improved efficiency and stability. Materials Horizons, 2016, 3, 145-151.	12.2	430
68	Highly Efficient Hybrid White Tandem Organic Lightâ€Emitting Diodes with MoO₃ Layer. Chinese Journal of Chemistry, 2015, 33, 859-864.	4.9	11
69	Tetraphenylborate versus tetraimidazolylborate as counterions for cationic iridium(<scp>iii</scp>) complexes: enhanced electrochemical stabilities and electroluminescence. Dalton Transactions, 2015, 44, 8521-8528.	3.3	21
70	Highly Efficient Simplified Single-Emitting-Layer Hybrid WOLEDs with Low Roll-off and Good Color Stability through Enhanced FÃ¶rster Energy Transfer. ACS Applied Materials & Interfaces, 2015, 7, 28693-28700.	8.0	128
71	Fabrication of highly oriented large-scale TIPS pentacene crystals and transistors by the Marangoni effect-controlled growth method. Physical Chemistry Chemical Physics, 2015, 17, 6274-6279.	2.8	45
72	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.	16.6	171

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73	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, 15914-15923.	3.3	34
74	Thermally Activated Delayed Fluorescence Sensitized Phosphorescence: A Strategy To Break the Trade-Off between Efficiency and Efficiency Roll-Off. ACS Applied Materials & Interfaces, 2015, 7, 15154-15159.	8.0	85
75	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, 7303-7314.	8.0	60
76	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
77	Systematically tuning the Î”E_{ST} 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.	5.5	15
78	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.	3.6	81
79	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.	3.9	6
80	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.	5.5	31
81	Transient space-charge-perturbed currents of N,Nâ€²-diphenyl-N,Nâ€²-bis(1-naphthyl)-1,1â€²-biphenyl-4,4â€²-diamine and N,Nâ€²-diphenyl-N,Nâ€²-bis(3-methylphenyl)-1,1â€²-biphenyl-4,4â€²-diamine in diode structures. Applied Physics Letters, 2014, 104, .	3.3	4
82	Mechanisms of Charge Transport in Transition Metal Oxide Doped Organic Semiconductors. Journal of Physical Chemistry C, 2014, 118, 29636-29642.	3.1	8
83	Towards High Efficiency and Low Rollâ€Off Orange Electrophosphorescent Devices by Fine Tuning Singlet and Triplet Energies of Bipolar Hosts Based on Indolocarbazole/1, 3, 5â€Triazine Hybrids. Advanced Functional Materials, 2014, 24, 3551-3561.	14.9	117
84	High-Mobility Solution-Processed Tin Oxide Thin-Film Transistors with High-Îº Alumina Dielectric Working in Enhancement Mode. ACS Applied Materials & Interfaces, 2014, 6, 20786-20794.	8.0	113
85	A multifunctional ionic iridium complex for field-effect and light-emitting devices. RSC Advances, 2014, 4, 51294-51297.	3.6	4
86	Programmable and Erasable Pentacene/Ta₂O₅ Phototransistor Memory With Improved Retention Time. IEEE Electron Device Letters, 2014, 35, 741-743.	3.9	3
87	Increased phosphorescent quantum yields of cationic iridium(<scp>iii</scp>) complexes by wisely controlling the counter anions. Chemical Communications, 2014, 50, 530-532.	4.1	51
88	Highly efficient and color-stable hybrid warm white organic light-emitting diodes using a blue material with thermally activated delayed fluorescence. Journal of Materials Chemistry C, 2014, 2, 8191-8197.	5.5	131
89	A flexible blue light sensitive organic photodiode with high properties for the applications in lowâ€voltageâ€control circuit and flexion sensors. Laser and Photonics Reviews, 2014, 8, 316-323.	8.7	22
90	Ideal Bipolar Host Materials with Bis-benzimidazole Unit for Highly Efficient Solution-Processed Green Electrophosphorescent Devices. Organic Letters, 2014, 16, 5346-5349.	4.6	28

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91	Predicting photocurrent tendency of organic photodiodes operating at external bias through optical field modeling. Organic Electronics, 2014, 15, 3231-3236.	2.6	5
92	Systematic Investigation of Surface Modification by Organosiloxane Self-Assembled on Indiumâ€“Tin Oxide for Improved Hole Injection in Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2014, 6, 4570-4577.	8.0	15
93	General application of blade coating to small-molecule hosts for organic light-emitting diode. Synthetic Metals, 2014, 196, 99-109.	3.9	15
94	Charge Transport in Amorphous Organic Semiconductors: Effects of Disorder, Carrier Density, Traps, and Scatters. Israel Journal of Chemistry, 2014, 54, 918-926.	2.3	33
95	Universal Trap Effect in Carrier Transport of Disordered Organic Semiconductors: Transition from Shallow Trapping to Deep Trapping. Journal of Physical Chemistry C, 2014, 118, 10651-10660.	3.1	74
96	Bismuth Trifluoride as a low-temperature-evaporable insulating dopant for efficient and stable organic light-emitting diodes. Organic Electronics, 2014, 15, 2439-2447.	2.6	7
97	Towards ideal electrophosphorescent devices with low dopant concentrations: the key role of triplet up-conversion. Journal of Materials Chemistry C, 2014, 2, 8983-8989.	5.5	90
98	Volatilize-Controlled Oriented Growth of the Single-Crystal Layer for Organic Field-Effect Transistors. Langmuir, 2014, 30, 12082-12088.	3.5	13
99	Influence of Molecular Packing on Intramolecular Reorganization Energy: A Case Study of Small Molecules. Journal of Physical Chemistry C, 2014, 118, 14848-14852.	3.1	31
100	Molecular Understanding of the Chemical Stability of Organic Materials for OLEDs: A Comparative Study on Sulfonyl, Phosphine-Oxide, and Carbonyl-Containing Host Materials. Journal of Physical Chemistry C, 2014, 118, 7569-7578.	3.1	142
101	Alcohol-Soluble Electron-Transport Small Molecule for Fully Solution-Processed Multilayer White Electrophosphorescent Devices. Organic Letters, 2014, 16, 1140-1143.	4.6	42
102	Transient space-charge-perturbed currents in organic materials: A Monte Carlo study. Organic Electronics, 2014, 15, 524-530.	2.6	14
103	Enhanced mobility of solution-processed polycrystalline zinc tin oxide thin-film transistors via direct incorporation of water into precursor solution. Applied Physics Letters, 2014, 105, .	3.3	16
104	The effect of oxygen content on the performance of low-voltage organic phototransistor memory. Organic Electronics, 2014, 15, 1664-1671.	2.6	10
105	Rational Design of Chelated Aluminum Complexes toward Highly Efficient and Thermally Stable Electron-Transporting Materials. Chemistry of Materials, 2014, 26, 3693-3700.	6.7	28
106	Synthesis, Characterization, and Photophysical and Electroluminescent Properties of Blue-Emitting Cationic Iridium(III) Complexes Bearing Nonconjugated Ligands. Inorganic Chemistry, 2014, 53, 6596-6606.	4.0	66
107	Electric Field inside a Hole-Only Device and Insights into Space-Charge-Limited Current Measurement for Organic Semiconductors. Journal of Physical Chemistry C, 2014, 118, 9990-9995.	3.1	25
108	Highâ€Efficiency Fluorescent Organic Lightâ€Emitting Devices Using Sensitizing Hosts with a Small Singletâ€“Triplet Exchange Energy. Advanced Materials, 2014, 26, 5050-5055.	21.0	496

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109	Relationship between Mobilities from Time-of-Flight and Dark-Injection Space-Charge-Limited Current Measurements for Organic Semiconductors: A Monte Carlo Study. Journal of Physical Chemistry C, 2014, 118, 6052-6058.	3.1	26
110	Multifunctional Organic Phototransistor-based Nonvolatile Memory Achieved by UV/Ozone Treatment of the Ta₂O₅ Gate Dielectric. ACS Applied Materials & Interfaces, 2014, 6, 8337-8344.	8.0	22
111	Bipolar charge transport property of N,Nâ€²-dicarbazolyl-1,4-dimethene-benzene: A study of the short range order model. Science Bulletin, 2013, 58, 79-83.	1.7	3
112	Performance enhancement of organic light-emitting diodes by chlorinated indium tin oxide in the presence of hydrogen peroxide. Organic Electronics, 2013, 14, 882-887.	2.6	9
113	Percolative charge transport in a co-evaporated organic molecular mixture. Organic Electronics, 2013, 14, 3312-3317.	2.6	8
114	Extremely low driving voltage electrophosphorescent green organic light-emitting diodes based on a host material with small singletâ€“triplet exchange energy without p- or n-doping layer. Organic Electronics, 2013, 14, 260-266.	2.6	85
115	High-efficiency near-infrared organic light-emitting devices based on an iridium complex with negligible efficiency roll-off. Journal of Materials Chemistry C, 2013, 1, 6446.	5.5	87
116	White light emission from an exciplex based on a phosphine oxide type electron transport compound in a bilayer device structure. RSC Advances, 2013, 3, 21453.	3.6	29
117	High-Performance Transistors Based on Zinc Tin Oxides by Single Spin-Coating Process. Langmuir, 2013, 29, 151-157.	3.5	32
118	Efficient doped red light-emitting electrochemical cells based on cationic iridium complexes. Synthetic Metals, 2013, 163, 33-37.	3.9	13
119	Improved organic optocouplers based on a deep blue fluorescent OLED and an optimized bilayer heterojunction photosensor. Sensors and Actuators B: Chemical, 2013, 188, 879-885.	7.8	12
120	Ambipolar Transporting 1,2â€Benzanthracene Derivative with Efficient Green Excimer Emission for Singleâ€Layer Organic Lightâ€Emitting Diodes. Advanced Optical Materials, 2013, 1, 167-172.	7.3	16
121	Electrophosphorescent devices based on cationic iridium complexes: The effect of fluorinating the pendant phenyl ring of the ancillary ligand on the device performances. Synthetic Metals, 2013, 166, 52-56.	3.9	13
122	Low-Temperature Evaporable Re₂O₇: An Efficient p-Dopant for OLEDs. Journal of Physical Chemistry C, 2013, 117, 13763-13769.	3.1	18
123	High-Performance Organic Optocouplers Based on an Organic Photodiode With High Blue Light Sensitivity. IEEE Electron Device Letters, 2013, 34, 1295-1297.	3.9	9
124	Study of the Hole and Electron Transport in Amorphous 9,10-Di-(2â€²-naphthyl)anthracene: The First-Principles Approach. Journal of Physical Chemistry C, 2013, 117, 16336-16342.	3.1	15
125	Co-Actions of Ambient Pressure and Gas Molecular Adsorption on the Carriersâ€™ Transport in Polycrystalline Pentacene Thin-Film Transistors. Journal of Physical Chemistry C, 2013, 117, 58-63.	3.1	4
126	The Interface Modification of Low-Voltage Pentacene-Based Organic Phototransistors. ECS Transactions, 2013, 50, 229-234.	0.5	1

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127	Tandem organic light-emitting diodes with KBH_4 doped 9,10-bis(3-(pyridin-3-yl)phenyl) anthracene connected to the charge generation layer. Optics Express, 2012, 20, 14564.	3.4	27
128	Control of Intramolecular Ï€â€“Ï€ Stacking Interaction in Cationic Iridium Complexes via Fluorination of Pendant Phenyl Rings. Inorganic Chemistry, 2012, 51, 4502-4510.	4.0	63
129	Small molecular phosphorescent organic light-emitting diodes using a spin-coated hole blocking layer. Applied Physics Letters, 2012, 100, .	3.3	19
130	The intramolecular Ï€â€“Ï€ stacking interaction does not always work for improving the stabilities of light-emitting electrochemical cells. Organic Electronics, 2012, 13, 2442-2449.	2.6	27
131	Achilles Heels of Phosphine Oxide Materials for OLEDs: Chemical Stability and Degradation Mechanism of a Bipolar Phosphine Oxide/Carbazole Hybrid Host Material. Journal of Physical Chemistry C, 2012, 116, 19451-19457.	3.1	79
132	Star-shaped dendritic hosts based on carbazole moieties for highly efficient blue phosphorescent OLEDs. Journal of Materials Chemistry, 2012, 22, 12016.	6.7	56
133	Stable blue-green light-emitting electrochemical cells based on a cationic iridium complex with phenylpyrazole as the cyclometalated ligands. Organic Electronics, 2012, 13, 1948-1955.	2.6	23
134	Synthesis of carbazole-based dendrimer: host material for highly efficient solution-processed blue organic electrophosphorescent diodes. Tetrahedron, 2012, 68, 5800-5805.	1.9	13
135	Synthesis of new bipolar materials based on diphenylphosphine oxide and triphenylamine units: efficient host for deep-blue phosphorescent organic light-emitting diodes. Tetrahedron, 2012, 68, 9672-9678.	1.9	11
136	The understanding of the memory nature and mechanism of the Ta2O5-gate-dielectric-based organic phototransistor memory. Organic Electronics, 2012, 13, 2917-2923.	2.6	9
137	Dark current and photovoltage models on the formation of depletion region in C60/NPB organic heterojunctions. Organic Electronics, 2012, 13, 3276-3283.	2.6	10
138	Efficient Near-Infrared-Emitting Cationic Iridium Complexes as Dopants for OLEDs with Small Efficiency Roll-off. Journal of Physical Chemistry C, 2012, 116, 11658-11664.	3.1	89
139	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
140	New Method of Mobility Measurement for Organic Semiconductors by Optoelectronic Coupling. Journal of Physical Chemistry C, 2012, 116, 5235-5239.	3.1	7
141	Experimental and theoretical study of the charge transport property of 4,4â€²-N,Nâ€²-dicarbazole-biphenyl. Science China Chemistry, 2012, 55, 2428-2432.	8.2	12
142	Solid-state light-emitting electrochemical cells based on ionic iridium(iii) complexes. Journal of Materials Chemistry, 2012, 22, 4206.	6.7	284
143	Impacts of Sn precursors on solution-processed amorphous zincâ€“tin oxide films and their transistors. RSC Advances, 2012, 2, 5307.	3.6	66
144	Synthesis, Structure, Properties, and Application of a Carbazoleâ€Based Diaza[7]helicene in a Deepâ€Blueâ€Emitting OLED. Chemistry - A European Journal, 2012, 18, 8092-8099.	3.3	133

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145	Novel carbazole/pyridine-based host material for solution-processed blue phosphorescent organic light-emitting devices. Dyes and Pigments, 2012, 92, 891-896.	3.7	24
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