Lian Duan

List of Publications by Year
in descending order

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238 papers	14,605 citations	15466 65 h-index	23472 111 g-index
241 all docs	241 docs citations	241 times ranked	8839 citing authors

#	Article	IF	Citations
1	Colorâ€Tunable Allâ€Fluorescent White Organic Lightâ€Emitting Diodes with a High External Quantum Efficiency Over 30% and Extended Device Lifetime. Advanced Materials, 2022, 34, e2103102.	11.1	35
2	Sterically Wrapped Multiple Resonance Fluorophors for Suppression of Concentration Quenching and Spectrum Broadening. Angewandte Chemie - International Edition, 2022, 61, .	7.2	140
3	Sterically Wrapped Multiple Resonance Fluorophors for Suppression of Concentration Quenching and Spectrum Broadening. Angewandte Chemie, 2022, 134, .	1.6	32
4	Self-assembly monomolecular engineering towards efficient and stable inverted perovskite solar cells. Chemical Engineering Journal, 2022, 430, 132986.	6.6	12
5	Nitrogenâ€Embedded Multiâ€Resonance Heteroaromatics with Prolonged Homogeneous Hexatomic Rings. Angewandte Chemie - International Edition, 2022, 61, .	7.2	40
6	Accelerating Radiative Decay in Blue Throughâ€Space Charge Transfer Emitters by Minimizing the Faceâ€toâ€Face Donorâ€“Acceptor Distances. Angewandte Chemie - International Edition, 2022, 61, .	7.2	56
7	Indeno-anthraquinone hosts with thermally activated delayed fluorescence for deep-red OLEDs. Journal of Materials Chemistry C, 2022, 10, 4668-4673.	2.7	3
8	Modification of Indium Tin Oxide Surface with HCl for Source/Drain Electrodes in Organic Thin Film Transistors. Advanced Materials Technologies, 2022, 7, .	3.0	6
9	Highly Efficient and Stable Blue Organic Lightâ€Emitting Diodes based on Thermally Activated Delayed Fluorophor with Donorâ€Voidâ€Acceptor Motif. Advanced Science, 2022, 9, e2106018.	5.6	40
10	Tough, stable and self-healing luminescent perovskite-polymer matrix applicable to all harsh aquatic environments. Nature Communications, 2022, 13, 1338.	5.8	73
11	Direct optical patterning of perovskite nanocrystals with ligand cross-linkers. Science Advances, 2022, 8, eabm8433.	4.7	54
12	In situ-formed tetrahedrally coordinated double-helical metal complexes for improved coordination-activated n-doping. Nature Communications, 2022, 13, 1215.	5.8	5
13	Decoration Strategy in Para Boron Position: An Effective Way to Achieve Ideal Multiâ€Resonance Emitters. Chemistry - A European Journal, 2022, 28, .	1.7	14
14	Beyond a Linker: The Role of Photochemistry of Crosslinkers in the Direct Optical Patterning of Colloidal Nanocrystals. Angewandte Chemie - International Edition, 2022, 61, .	7.2	24
15	Beyond a Linker: The Role of Photochemistry of Crosslinkers in the Direct Optical Patterning of Colloidal Nanocrystals. Angewandte Chemie, 2022, 134, .	1.6	1
16	Fusion of Multiâ€Resonance Fragment with Conventional Polycyclic Aromatic Hydrocarbon for Nearly BT.2020 Green Emission. Angewandte Chemie - International Edition, 2022, 61, .	7.2	95
17	Fusion of Multiâ€Resonance Fragment with Conventional Polycyclic Aromatic Hydrocarbon for Nearly BT.2020 Green Emission. Angewandte Chemie, 2022, 134, .	1.6	19
18	Highly efficient and stable deep-blue OLEDs based on narrowband emitters featuring an orthogonal spiro-configured indolo[3,2,1-de]acridine structure. Chemical Science, 2022, 13, 5622-5630.	3.7	39

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19	White Organic Light-Emitting Diodes. , 2022, , 277-357.		0
20	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.	6.6	47
21	Thermally activated delayed fluorescence material-sensitized helicene enantiomer-based OLEDs: a new strategy for improving the efficiency of circularly polarized electroluminescence. Science China Materials, 2021, 64, 899-908.	3.5	36
22	Highly efficient inverted polymer solar cells by using solution processed MgO/ZnO composite interfacial layers. Journal of Colloid and Interface Science, 2021, 583, 178-187.	5.0	20
23	Triazolotriazine-based thermally activated delayed fluorescence materials for highly efficient fluorescent organic light-emitting diodes (TSF-OLEDs). Science Bulletin, 2021, 66, 441-448.	4.3	40
24	Mixed halide perovskites for spectrally stable and high-efficiency blue light-emitting diodes. Nature Communications, 2021, 12, 361.	5.8	268
25	TADF sensitization targets deep-blue. Nature Photonics, 2021, 15, 173-174.	15.6	47
26	45.1: Highâ€Performance Deep Blue OLEDs with EQE up to 31%. Digest of Technical Papers SID International Symposium, 2021, 52, 296-297.	0.1	0
27	Adjusting the photophysical properties of AIE-active TADF emitters from through-bond to through-space charge transfer for high-performance solution-processed OLEDs. Dyes and Pigments, 2021, 188, 109208.	2.0	15
28	Indolo[3,2,1â€jk]carbazole Embedded Multipleâ€Resonance Fluorophors for Narrowband Deepâ€blue Electroluminescence with EQEâ‰ˆ34.7â€‰% and CIE_yâ‰ˆ0.085. Angewandte Chemie, 2021, 133, 12377-12381.	1.6	22
29	Green Electrospun Silk Fibroin Nanofibers Loaded with Cationic Ethosomes for Transdermal Drug Delivery. Chemical Research in Chinese Universities, 2021, 37, 488-495.	1.3	7
30	Transfer-printed, tandem microscale light-emitting diodes for full-color displays. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	33
31	Indolo[3,2,1â€jk]carbazole Embedded Multipleâ€Resonance Fluorophors for Narrowband Deepâ€blue Electroluminescence with EQEâ‰ˆ34.7â€‰% and CIE_yâ‰ˆ0.085. Angewandte Chemie - International Edition, 2021, 60, 12269-12273.	1.2	106
32	26â€2: Invited Paper: Efficient and Stable Deepâ€Blue OLEDs Based on TADF Sensitized Fluorescence (TSF). Digest of Technical Papers SID International Symposium, 2021, 52, 324-327.	0.1	0
33	Bee-shaped host with ideal polarity and energy levels for high-efficiency blue and white fluorescent organic light-emitting diodes. Chemical Engineering Journal, 2021, 411, 128457.	6.6	13
34	High-Brightness Perovskite Light-Emitting Diodes Based on FAPbBr₃ Nanocrystals with Rationally Designed Aromatic Ligands. ACS Energy Letters, 2021, 6, 2395-2403.	8.8	67
35	Multiâ€Resonance Deepâ€Red Emitters with Shallow Potentialâ€Energy Surfaces to Surpass Energyâ€Gap Law**. Angewandte Chemie - International Edition, 2021, 60, 20498-20503.	7.2	259
36	Multiâ€Resonance Deepâ€Red Emitters with Shallow Potentialâ€Energy Surfaces to Surpass Energyâ€Gap Law**. Angewandte Chemie, 2021, 133, 20661-20666.	1.6	58

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37	38.2: Invited Paper: A sensitized way towards stable blue OLEDs. Digest of Technical Papers SID International Symposium, 2021, 52, 484-485.	0.1	0
38	12.1: Invited Paper: Efficiency enhancement in dual emission OLEDs. Digest of Technical Papers SID International Symposium, 2021, 52, 176-178.	0.1	0
39	Simultaneously Enhanced Reverse Intersystem Crossing and Radiative Decay in Thermally Activated Delayed Fluorophors with Multiple Throughâ€space Charge Transfers. Angewandte Chemie, 2021, 133, 23964-23969.	1.6	18
40	Lanthanide Cerium(III) Tris(pyrazolyl)borate Complexes: Efficient Blue Emitters for Doublet Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2021, 13, 45686-45695.	4.0	33
41	Approaching Nearly 40% External Quantum Efficiency in Organic Light Emitting Diodes Utilizing a Green Thermally Activated Delayed Fluorescence Emitter with an Extended Linear Donorâ€“Acceptorâ€“Donor Structure. Advanced Materials, 2021, 33, e2103293.	11.1	143
42	Simultaneously Enhanced Reverse Intersystem Crossing and Radiative Decay in Thermally Activated Delayed Fluorophors with Multiple Throughâ€space Charge Transfers. Angewandte Chemie - International Edition, 2021, 60, 23771-23776.	7.2	100
43	Approaching Ohmic hole contact via a synergetic effect of a thin insulating layer and strong electron acceptors. Science China Materials, 2021, 64, 3124-3130.	3.5	6
44	Emerging Selfâ€Emissive Technologies for Flexible Displays. Advanced Materials, 2020, 32, e1902391.	11.1	131
45	Hydrogen bond modulation in 1,10-phenanthroline derivatives for versatile electron transport materials with high thermal stability, large electron mobility and excellent n-doping ability. Science Bulletin, 2020, 65, 153-160.	4.3	23
46	Modulation of FÃ¶rster and Dexter Interactions in Singleâ€Emissiveâ€Layer Allâ€Fluorescent WOLEDs for Improved Efficiency and Extended Lifetime. Advanced Functional Materials, 2020, 30, 1907083.	7.8	70
47	Review on photo- and electrical aging mechanisms for neutral excitons and ions in organic light-emitting diodes. Journal of Materials Chemistry C, 2020, 8, 803-820.	2.7	48
48	Axially Chiral TADFâ€Active Enantiomers Designed for Efficient Blue Circularly Polarized Electroluminescence. Angewandte Chemie - International Edition, 2020, 59, 3500-3504.	7.2	181
49	Stabilization of Blue Emitters with Thermally Activated Delayed Fluorescence by the Steric Effect: A Case Study by means of Magnetic Field Effects. Physical Review Applied, 2020, 14, .	1.5	16
50	Sublimable cationic iridium(<scp>iii</scp>) complexes for red-emitting diodes with high colour purity. Journal of Materials Chemistry C, 2020, 8, 14766-14772.	2.7	14
51	Pâ€1: Development of Highâ€yield Laser Liftâ€off Process for Micro LED Display. Digest of Technical Papers SID International Symposium, 2020, 51, 1312-1314.	0.1	5
52	Pâ€85: Development of Highâ€yield Laser Liftâ€off Process for Micro LED Display. Digest of Technical Papers SID International Symposium, 2020, 51, 1688-1690.	0.1	0
53	A Facile Multiâ€transfer Method by Flexible Tape for Microâ€LED Display Applications. Digest of Technical Papers SID International Symposium, 2020, 51, 113-116.	0.1	1
54	Development of Highâ€yield Laser Liftâ€off Process for Micro LED Display. Digest of Technical Papers SID International Symposium, 2020, 51, 55-57.	0.1	0

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55	Synergistic optimization of interfacial energy-level alignment and defect passivation toward efficient annealing-free inverted polymer solar cells. Journal of Materials Chemistry A, 2020, 8, 18792-18801.	5.2	15
56	Pâ€95: A Facile Multiâ€Transfer Method by Flexible Tape for Microâ€LED Display Applications. Digest of Technical Papers SID International Symposium, 2020, 51, 1723-1726.	0.1	2
57	A novel anthracene derivative with an asymmetric structure as an electron transport material for stable Rec. 2020 blue organic light-emitting diodes. Journal of Information Display, 2020, 21, 197-201.	2.1	5
58	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.	11.1	76
59	Deep-blue organic light-emitting diodes based on a doublet dâ€"f transition cerium(III) complex with 100% exciton utilization efficiency. Light: Science and Applications, 2020, 9, 157.	7.7	43
60	Strategically Modulating Carriers and Excitons for Efficient and Stable Ultrapureâ€Green Fluorescent OLEDs with a Sterically Hindered BODIPY Dopant. Advanced Optical Materials, 2020, 8, 2000483.	3.6	60
61	One-Dimensional All-Inorganic K₂CuBr₃ with Violet Emission as Efficient X-ray Scintillators. ACS Applied Electronic Materials, 2020, 2, 2242-2249.	2.0	77
62	Efficient and Stable Deepâ€Blue Fluorescent Organic Lightâ€Emitting Diodes Employing a Sensitizer with Fast Triplet Upconversion. Advanced Materials, 2020, 32, e1908355.	11.1	242
63	Modulation of ligand conjugation for efficient FAPbBr₃ based green light-emitting diodes. Materials Chemistry Frontiers, 2020, 4, 1383-1389.	3.2	9
64	Achieving Pure Green Electroluminescence with CIEy of 0.69 and EQE of 28.2% from an Azaâ€Fused Multiâ€Resonance Emitter. Angewandte Chemie, 2020, 132, 17652-17656.	1.6	72
65	Achieving Pure Green Electroluminescence with CIEy of 0.69 and EQE of 28.2% from an Azaâ€Fused Multiâ€Resonance Emitter. Angewandte Chemie - International Edition, 2020, 59, 17499-17503.	7.2	211
66	Progress on Lightâ€Emitting Electrochemical Cells toward Blue Emission, High Efficiency, and Long Lifetime. Advanced Functional Materials, 2020, 30, 1907156.	7.8	49
67	Understanding and Manipulating the Interplay of Wideâ€Energyâ€Gap Host and TADF Sensitizer in Highâ€Performance Fluorescence OLEDs. Advanced Materials, 2019, 31, e1901923.	11.1	116
68	Multiâ€Resonance Induced Thermally Activated Delayed Fluorophores for Narrowband Green OLEDs. Angewandte Chemie - International Edition, 2019, 58, 16912-16917.	7.2	356
69	Multiâ€Resonance Induced Thermally Activated Delayed Fluorophores for Narrowband Green OLEDs. Angewandte Chemie, 2019, 131, 17068-17073.	1.6	91
70	Polyethylenimine and sodium cholate-modified ethosomes complex as multidrug carriers for theÂtreatment of melanoma through transdermal delivery. Nanomedicine, 2019, 14, 2395-2408.	1.7	26
71	Cationic Iridium Complexes with 5-Phenyl-1H-1,2,4-triazole Type Cyclometalating Ligands: Toward Blue-Shifted Emission. Inorganic Chemistry, 2019, 58, 12132-12145.	1.9	29
72	Thermally Activated Delayed Fluorescent Materials Combining Intra- and Intermolecular Charge Transfers. ACS Applied Materials & Interfaces, 2019, 11, 7192-7198.	4.0	44

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73	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.	4.2	29
74	Exciplex System with Increased Donorâ€"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.	4.0	40
75	Polycyclic Aromatic Hydrocarbon Derivatives toward Ideal Electron-Transporting Materials for Organic Light-Emitting Diodes. Journal of Physical Chemistry Letters, 2019, 10, 2528-2537.	2.1	27
76	Investigation on two triphenylene based electron transport materials. Science China Chemistry, 2019, 62, 775-783.	4.2	5
77	LEDs Based on Small Molecules. , 2019, , 215-304.		1
78	Sublimable cationic iridium(<scp>iii</scp>) complexes with large steric hindrance for high-performance organic light-emitting diodes. Dalton Transactions, 2019, 48, 9669-9675.	1.6	4
79	High-efficiency blueâ€"green electroluminescence from sublimable cationic iridium(iii) complexes with a pyrazole-type ligand. Journal of Materials Chemistry C, 2019, 7, 3503-3511.	2.7	9
80	Understanding the operational lifetime expansion methods of thermally activated delayed fluorescence sensitized OLEDs: a combined study of charge trapping and exciton dynamics. Materials Chemistry Frontiers, 2019, 3, 1181-1191.	3.2	28
81	Making silver a stronger n-dopant than cesium via in situ coordination reaction for organic electronics. Nature Communications, 2019, 10, 866.	5.8	42
82	High Performance Thermally Activated Delayed Fluorescence Sensitized Organic Lightâ€Emitting Diodes. Chemical Record, 2019, 19, 1611-1623.	2.9	49
83	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.	4.0	47
84	Recent Progress in Sublimable Cationic Iridium(III) Complexes for Organic Lightâ€Emitting Diodes. Chemical Record, 2019, 19, 1483-1498.	2.9	14
85	Recent progress in solution processable TADF materials for organic light-emitting diodes. Journal of Materials Chemistry C, 2018, 6, 5577-5596.	2.7	370
86	Cirsium Japonicum DC ingredients-loaded silk fibroin nanofibrous matrices with excellent hemostatic activity. Biomedical Physics and Engineering Express, 2018, 4, 025035.	0.6	5
87	Stable Enantiomers Displaying Thermally Activated Delayed Fluorescence: Efficient OLEDs with Circularly Polarized Electroluminescence. Angewandte Chemie, 2018, 130, 2939-2943.	1.6	57
88	Toward Highâ€Performance Vacuumâ€Deposited OLEDs: Sublimable Cationic Iridium(III) Complexes with Yellow and Orange Electroluminescence. Chemistry - A European Journal, 2018, 24, 5574-5583.	1.7	21
89	Stable Organic Radicals as Hole Injection Dopants for Efficient Optoelectronics. ACS Applied Materials & Interfaces, 2018, 10, 4882-4886.	4.0	14
90	Deep insights into the viscosity of small molecular solutions for organic light-emitting diodes. RSC Advances, 2018, 8, 4153-4161.	1.7	9

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91	Stable Enantiomers Displaying Thermally Activated Delayed Fluorescence: Efficient OLEDs with Circularly Polarized Electroluminescence. Angewandte Chemie - International Edition, 2018, 57, 2889-2893.	7.2	350
92	Blocking Energyâ€Loss Pathways for Ideal Fluorescent Organic Lightâ€Emitting Diodes with Thermally Activated Delayed Fluorescent Sensitizers. Advanced Materials, 2018, 30, 1705250.	11.1	177
93	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.	2.7	21
94	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.	11.1	217
95	Longâ€Lived and Highly Efficient TADFâ€PhOLED with â€œ(A)_nâ€“Dâ€“(A)_nâ€•Structured Terpyridine Electronâ€Transporting Material. Advanced Functional Materials, 2018, 28, 1800429.	7.8	49
96	Heavy Atom Effect of Bromine Significantly Enhances Exciton Utilization of Delayed Fluorescence Luminogens. ACS Applied Materials & Interfaces, 2018, 10, 17327-17334.	4.0	91
97	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.	4.0	35
98	Vacuumâ€Deposited versus Spinâ€Coated Emissive Layers for Fabricating Highâ€Performance Blueâ€“Greenâ€Emitting Diodes. ChemPlusChem, 2018, 83, 211-216.	1.3	9
99	A combinational molecular design to achieve highly efficient deep-blue electrofluorescence. Journal of Materials Chemistry C, 2018, 6, 745-753.	2.7	45
100	Effects of ortho-Linkages on the Molecular Stability of Organic Light-Emitting Diode Materials. Chemistry of Materials, 2018, 30, 8771-8781.	3.2	36
101	Positional isomerism effect of spirobifluorene and terpyridine moieties of â€œ(A)_nâ€“Dâ€“(A)_nâ€•type electron transport materials for long-lived and highly efficient TADF-PhOLEDs. Journal of Materials Chemistry C, 2018, 6, 10276-10283.	2.7	25
102	Highâ€Performance Fluorescent Organic Lightâ€Emitting Diodes Utilizing an Asymmetric Anthracene Derivative as an Electronâ€Transporting Material. Advanced Materials, 2018, 30, e1707590.	11.1	68
103	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.	2.7	9
104	Toward Tunable Electroluminescent Devices by Correlating Function and Submolecular Structure in 3D Crystals, 2D-Confined Monolayers, and Dimers. ACS Applied Materials & Interfaces, 2018, 10, 22460-22473.	4.0	24
105	High-Efficiency Organic Light-Emitting Diodes Based on Sublimable Cationic Iridium(III) Complexes with Sterically Hindered Spacers. ACS Photonics, 2018, 5, 3428-3437.	3.2	18
106	A novel fluorescence sensing method based on quantum dot-graphene and a molecular imprinting technique for the detection of tyramine in rice wine. Analytical Methods, 2018, 10, 3884-3889.	1.3	23
107	Efficient nâ€Dopants and Their Roles in Organic Electronics. Advanced Optical Materials, 2018, 6, 1800536.	3.6	41
108	Efficient red phosphorescent OLEDs based on the energy transfer from interface exciplex: the critical role of constituting molecules. Science China Chemistry, 2018, 61, 836-843.	4.2	23

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109	Controlling Ion Distribution for High-Performance Organic Light-Emitting Diodes Based on Sublimable Cationic Iridium(III) Complexes. ACS Applied Materials & Interfaces, 2018, 10, 29814-29823.	4.0	22
110	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.	4.0	107
111	A case-based reasoning approach for task-driven spatialâ€“temporally aware geospatial data discovery through geoportals. International Journal of Digital Earth, 2017, 10, 1146-1165.	1.6	7
112	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.	2.7	28
113	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.	4.0	75
114	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.	4.0	16
115	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.	3.2	138
116	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.	2.7	21
117	Highâ€Efficiency Nearâ€Infrared Fluorescent Organic Lightâ€Emitting Diodes with Small Efficiency Rollâ€Off: A Combined Design from Emitters to Devices. Advanced Functional Materials, 2017, 27, 1703283.	7.8	48
118	Persistent Luminescence Nanophosphor Involved Near-Infrared Optical Bioimaging for Investigation of Foodborne Probiotics Biodistribution in Vivo: A Proof-of-Concept Study. Journal of Agricultural and Food Chemistry, 2017, 65, 8229-8240.	2.4	25
119	Organic Radicals Outperform LiF as Efficient Electron-Injection Materials for Organic Light-Emitting Diodes. Journal of Physical Chemistry Letters, 2017, 8, 4769-4773.	2.1	15
120	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.	11.1	112
121	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.	1.7	24
122	Paddy rice field mapping using GF-1 images with SVM method. , 2017, , .		4
123	Recent Progress in Ionic Iridium(III) Complexes for Organic Electronic Devices. Advanced Materials, 2017, 29, 1603253.	11.1	224
124	Estimating leaf area index of winter oilseed rape using high spatial resolution satellite data. , 2016, , .		2
125	Monitoring the impacts of waterlogging on winter wheat using high spatial resolution satellite data. , 2016, , .		1
126	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.	2.7	36

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127	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.	2.7	51
128	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.	2.7	25
129	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.	2.7	25
130	Efficient n-type dopants with extremely low doping ratios for high performance inverted perovskite solar cells. Energy and Environmental Science, 2016, 9, 3424-3428.	15.6	94
131	[Ir(ppy)2pyim]PF6dielectric mixed with PMMA for area emission transistors. RSC Advances, 2016, 6, 94010-94013.	1.7	0
132	Cationic iridium(III) complexes with different-sized negative counter-ions for solution-processed deep-blue-emitting diodes. Organic Electronics, 2016, 39, 16-24.	1.4	12
133	Full-solution-processed high mobility zinc-tin-oxide thin-film-transistors. Science China Technological Sciences, 2016, 59, 1407-1412.	2.0	9
134	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.	4.0	42
135	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.	2.2	13
136	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.	1.7	17
137	New Insights into Tunable Volatility of Ionic Materials through Counterâ€Ion Control. Advanced Functional Materials, 2016, 26, 3438-3445.	7.8	51
138	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.	2.0	18
139	Highâ€stability organic redâ€light photodetector for narrowband applications. Laser and Photonics Reviews, 2016, 10, 473-480.	4.4	69
140	Using an organic radical precursor as an electron injection material for efficient and stable organic light-emitting diodes. Nanotechnology, 2016, 27, 174001.	1.3	18
141	High-efficiency and low efficiency roll-off near-infrared fluorescent OLEDs through triplet fusion. Chemical Science, 2016, 7, 2888-2895.	3.7	88
142	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.	4.0	112
143	Flexible Organic Tribotronic Transistor Memory for a Visible and Wearable Touch Monitoring System. Advanced Materials, 2016, 28, 106-110.	11.1	98
144	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.	1.6	25

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145	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.	3.7	195
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