Lei Wang

List of Publications by Year
in descending order

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149 papers	6,394 citations	46918 47 h-index	85405 71 g-index
149 all docs	149 docs citations	149 times ranked	6728 citing authors

#	Article	IF	Citations
1	Rearranging Low-Dimensional Phase Distribution of Quasi-2D Perovskites for Efficient Sky-Blue Perovskite Light-Emitting Diodes. ACS Nano, 2020, 14, 11420-11430.	7.3	206
2	Manipulation of Charge and Exciton Distribution Based on Blue Aggregationâ€Induced Emission Fluorophors: A Novel Concept to Achieve Highâ€Performance Hybrid White Organic Lightâ€Emitting Diodes. Advanced Functional Materials, 2016, 26, 776-783.	7.8	194
3	Few-Layer Antimonene: Anisotropic Expansion and Reversible Crystalline-Phase Evolution Enable Large-Capacity and Long-Life Na-Ion Batteries. ACS Nano, 2018, 12, 1887-1893.	7.3	175
4	New tetraphenylethene-based efficient blue luminophors: aggregation induced emission and partially controllable emitting color. Journal of Materials Chemistry, 2012, 22, 2478-2484.	6.7	162
5	Sn-C bonding riveted SnSe nanoplates vertically grown on nitrogen-doped carbon nanobelts for high-performance sodium-ion battery anodes. Nano Energy, 2018, 54, 322-330.	8.2	152
6	Hydrogenated V₂O₅ Nanosheets for Superior Lithium Storage Properties. Advanced Functional Materials, 2016, 26, 784-791.	7.8	149
7	Efficient and Spectrally Stable Blue Perovskite Lightâ€Emitting Diodes Based on Potassium Passivated Nanocrystals. Advanced Functional Materials, 2020, 30, 1908760.	7.8	134
8	Simple Phenanthroimidazole/Carbazole Hybrid Bipolar Host Materials for Highly Efficient Green and Yellow Phosphorescent Organic Light-Emitting Diodes. Journal of Physical Chemistry C, 2012, 116, 19458-19466.	1.5	124
9	High Triplet Energy Hosts for Blue Organic Lightâ€Emitting Diodes. Advanced Functional Materials, 2021, 31, 2008332.	7.8	116
10	Highly Efficient and Colorâ€Stable Deepâ€Blue Organic Lightâ€Emitting Diodes Based on a Solutionâ€Processible Dendrimer. Advanced Materials, 2009, 21, 4854-4858.	11.1	108
11	A simple carbazole-N-benzimidazole bipolar host material for highly efficient blue and single layer white phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2014, 2, 2466-2469.	2.7	105
12	Bamboo leaf derived ultrafine Si nanoparticles and Si/C nanocomposites for high-performance Li-ion battery anodes. Nanoscale, 2015, 7, 13840-13847.	2.8	105
13	Polyethylenimine Insulativity-Dominant Charge-Injection Balance for Highly Efficient Inverted Quantum Dot Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2017, 9, 20231-20238.	4.0	105
14	Synthesis of Hierarchically Structured Hybrid Materials by Controlled Self-Assembly of Metalâ€“Organic Framework with Mesoporous Silica for CO₂ Adsorption. ACS Applied Materials & Interfaces, 2017, 9, 23060-23071.	4.0	105
15	54 cm² Largeâ€Area Flexible Organic Solar Modules with Efficiency Above 13%. Advanced Materials, 2021, 33, e2103017.	11.1	96
16	Manipulation of exciton distribution for high-performance fluorescent/phosphorescent hybrid white organic light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 7668-7683.	2.7	95
17	Electrochemistry, Electrogenerated Chemiluminescence, and Excimer Formation Dynamics of Intramolecular Ï€-Stacked 9-Naphthylanthracene Derivatives and Organic Nanoparticles. Journal of the American Chemical Society, 2011, 133, 14675-14685.	6.6	86
18	Controllably tunable phenanthroimidazoleâ€“carbazole hybrid bipolar host materials for efficient green electrophosphorescent devices. Journal of Materials Chemistry C, 2013, 1, 5899.	2.7	86

#	Article	IF	Citations
19	Synthesis, characterization, physical properties, and blue electroluminescent device applications of phenanthroimidazole derivatives containing anthracene or pyrene moiety. Dyes and Pigments, 2014, 101, 93-102.	2.0	82
20	Bipolar AIE-active luminogens comprised of an oxadiazole core and terminal TPE moieties as a new type of host for doped electroluminescence. Chemical Communications, 2012, 48, 9586.	2.2	80
21	Novel Deep Blue OLED Emitters with 1,3,5-Tri(anthracen-10-yl)benzene-Centered Starburst Oligofluorenes. Journal of Physical Chemistry C, 2011, 115, 4872-4878.	1.5	77
22	Nondoped blue fluorescent organic light-emitting diodes based on benzonitrile-anthracene derivative with 10.06% external quantum efficiency and low efficiency roll-off. Journal of Materials Chemistry C, 2019, 7, 1014-1021.	2.7	74
23	Highâ€Tripletâ€Energy Poly(9,9â€²â€bis(2â€ethylhexyl)â€3,6â€fluorene) as Host for Blue and Green Phosphorescent Complexes. Advanced Materials, 2008, 20, 2359-2364.	11.1	73
24	All-Solution-Processed Quantum Dot Light Emitting Diodes Based on Double Hole Transport Layers by Hot Spin-Coating with Highly Efficient and Low Turn-On Voltage. ACS Applied Materials & Interfaces, 2018, 10, 29076-29082.	4.0	73
25	Modifying organic/metal interface via solvent treatment to improve electron injection in organic light emitting diodes. Organic Electronics, 2011, 12, 1858-1863.	1.4	72
26	Construction of High Tg Bipolar Host Materials with Balanced Electronâ€“Hole Mobility Based on 1,2,4-Thiadiazole for Phosphorescent Organic Light-Emitting Diodes. Chemistry of Materials, 2014, 26, 2388-2395.	3.2	71
27	Bipolar phenanthroimidazoleâ€“diazacarbazole hybrids with appropriate bandgaps for highly efficient and low roll-off red, green and blue electroluminescent devices. Journal of Materials Chemistry C, 2016, 4, 8473-8482.	2.7	69
28	Deep red PhOLED from dimeric salophen Platinum(II) complexes. Dyes and Pigments, 2019, 162, 590-598.	2.0	65
29	Efficient nondoped blue organic light-emitting diodes based on phenanthroimidazole-substituted anthracene derivatives. Organic Electronics, 2012, 13, 3050-3059.	1.4	63
30	Coaxialâ€Structured Weavable and Wearable Electroluminescent Fibers. Advanced Electronic Materials, 2017, 3, 1700401.	2.6	63
31	Architectural Engineering of Nanowire Network Fine Pattern for 30 Î¼m Wide Flexible Quantum Dot Light-Emitting Diode Application. ACS Nano, 2016, 10, 10023-10030.	7.3	62
32	Integrating the Emitter and Host Characteristics of Donorâ€“Acceptor Systems through Edgeâ€Spiro Effect Toward 100% Exciton Harvesting in Blue and White Fluorescence Diodes. Advanced Optical Materials, 2018, 6, 1800165.	3.6	62
33	Dipyrrolylquinoxaline-bridged Schiff bases: a new class of fluorescent sensors for mercury(ii). Dalton Transactions, 2005, , 3235.	1.6	61
34	Scheme for contact angle and its hysteresis in a multiphase lattice Boltzmann method. Physical Review E, 2013, 87, 013301.	0.8	61
35	Novel host materials for single-component white organic light-emitting diodes based on 9-naphthylanthracene derivatives. Journal of Materials Chemistry, 2008, 18, 4529.	6.7	60
36	Improved performance of inverted quantum dots light emitting devices by introducing double hole transport layers. Organic Electronics, 2016, 31, 82-89.	1.4	59

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37	Highly efficient non-doped OLEDs using aggregation-induced delayed fluorescence materials based on 10-phenyl-10H-phenothiazine 5,5-dioxide derivatives. Journal of Materials Chemistry C, 2018, 6, 11436-11443.	2.7	59
38	Sodium Ion Modifying In Situ Fabricated CsPbBr₃ Nanoparticles for Efficient Perovskite Light Emitting Diodes. Advanced Optical Materials, 2019, 7, 1900747.	3.6	59
39	Benzimidazoleâ€“carbazole-based bipolar hosts for high efficiency blue and white electrophosphorescence applications. Journal of Materials Chemistry, 2012, 22, 13223.	6.7	58
40	Multicolor Emissions by the Synergism of Intra/Intermolecular Slipped Ï€â€“Ï€ Stackings of Tetraphenylethylene-DiBODIPY Conjugate. Chemistry of Materials, 2015, 27, 7812-7819.	3.2	58
41	Highly efficient green organic light emitting diodes with phenanthroimidazole-based thermally activated delayed fluorescence emitters. Journal of Materials Chemistry C, 2018, 6, 2379-2386.	2.7	58
42	Growth mechanism of CsPbBr3 perovskite nanocrystals by a co-precipitation method in a CSTR system. Nano Research, 2019, 12, 121-127.	5.8	55
43	Tetraphenylethene-decorated carbazoles: synthesis, aggregation-induced emission, photo-oxidation and electroluminescence. Journal of Materials Chemistry C, 2014, 2, 7001-7012.	2.7	53
44	Butterfly-Shaped Tetrasubstituted Carbazole Derivatives as a New Class of Hosts for Highly Efficient Solution-Processable Green Phosphorescent Organic Light-Emitting Diodes. Organic Letters, 2012, 14, 4786-4789.	2.4	52
45	Simple Bipolar Hosts with High Glass Transition Temperatures Based on 1,8â€Disubstituted Carbazole for Efficient Blue and Green Electrophosphorescent Devices with â€œIdealâ€•Turnâ€on Voltage. Chemistry - A European Journal, 2013, 19, 1828-1834.	1.7	52
46	24.1% External Quantum Efficiency of Flexible Quantum Dot Lightâ€Emitting Diodes by Light Extraction of Silver Nanowire Transparent Electrodes. Advanced Optical Materials, 2018, 6, 1800347.	3.6	51
47	Integrating TADF luminogens with AIE characteristics using a novel acridineâ€“carbazole hybrid as donor for high-performance and low efficiency roll-off OLEDs. Journal of Materials Chemistry C, 2019, 7, 9487-9495.	2.7	51
48	Smoothing the Sodiumâ€Metal Anode with a Selfâ€Regulating Alloy Interface for Highâ€Energy and Sustainable Sodiumâ€Metal Batteries. Advanced Materials, 2021, 33, e2102802.	11.1	50
49	To improve the efficiency of thermally activated delayed fluorescence OLEDs by controlling the horizontal orientation through optimizing stereoscopic and linear structures of indolocarbazole isomers. Journal of Materials Chemistry C, 2018, 6, 5812-5820.	2.7	49
50	Regulating the photophysical properties of highly twisted TADF emitters by concurrent through-space/-bond charge transfer. Chemical Engineering Journal, 2020, 402, 126173.	6.6	49
51	Electrochemistry and Electrogenerated Chemiluminescence of 1,3,5-Tri(anthracen-10-yl)-benzene-Centered Starburst Oligofluorenes. Journal of the American Chemical Society, 2016, 138, 1947-1954.	6.6	48
52	Highly twisted bipolar emitter for efficient nondoped deep-blue electroluminescence. Dyes and Pigments, 2017, 140, 328-336.	2.0	48
53	Highly efficient and stable sky blue organic light-emitting devices. Applied Physics Letters, 2006, 89, 121913.	1.5	46
54	Modified 4,4â€²,4â€³-Tri(N-carbazolyl)triphenylamine as a Versatile Bipolar Host for Highly Efficient Blue, Orange, and White Organic Light-Emitting Diodes. Journal of Physical Chemistry C, 2012, 116, 15041-15047.	1.5	45

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55	Highly efficient blueâ€“green neutral dinuclear copper(I) halide complexes containing bidentate phosphine ligands. Journal of Luminescence, 2016, 180, 64-72.	1.5	45
56	Crumpled N-doped carbon nanotubes encapsulated with peapod-like Ge nanoparticles for high-rate and long-life Li-ion battery anodes. Journal of Materials Chemistry A, 2016, 4, 7585-7590.	5.2	44
57	Blue TADF Emitters Based on Indenocarbazole Derivatives with High Photoluminescence and Electroluminescence Efficiencies. ACS Applied Materials & Interfaces, 2019, 11, 10758-10767.	4.0	44
58	Highâ€Efficiency Formamidinium Lead Bromide Perovskite Nanocrystalâ€Based Lightâ€Emitting Diodes Fabricated via a Surface Defect Selfâ€Passivation Strategy. Advanced Optical Materials, 2020, 8, 1901390.	3.6	44
59	Preparation of efficient quantum dot light-emitting diodes by balancing charge injection and sensitizing emitting layer with phosphorescent dye. Journal of Materials Chemistry C, 2019, 7, 5755-5763.	2.7	43
60	A periphery cladding strategy to improve the performance of narrowband emitters, achieving deep-blue OLEDs with CIEy < 0.08 and external quantum efficiency approaching 20%. Organic Electronics, 2021, 97, 106275.	1.4	42
61	Highly efficient TADF OLEDs with low efficiency roll-off based on novel acridineâ€“carbazole hybrid donor-substituted pyrimidine derivatives. Journal of Materials Chemistry C, 2019, 7, 12248-12255.	2.7	40
62	New platinum(II) one-armed Schiff base complexes for blue and orange PHOLEDs applications. Organic Electronics, 2017, 42, 153-162.	1.4	39
63	New blue host materials based on anthracene-containing dibenzothiophene. Organic Electronics, 2011, 12, 595-601.	1.4	38
64	Pyridine-containing phenanthroimidazole electron-transport materials with electron mobility/energy-level trade-off optimization for highly efficient and low roll-off sky blue fluorescent OLEDs. Journal of Materials Chemistry C, 2015, 3, 7709-7719.	2.7	38
65	A new way towards high-efficiency thermally activated delayed fluorescence devices via external heavy-atom effect. Scientific Reports, 2016, 6, 30178.	1.6	38
66	Systematic study of TCTA-based star-shaped host materials by optimizing ratio of carbazole/ diphenylphosphine oxide: achieving both low efficiency roll-off and turn-on voltage for blue PHOLEDs. Journal of Materials Chemistry C, 2014, 2, 7428-7435.	2.7	37
67	Benzimidazoleâ€“phosphine oxide hybrid electron transporters for unilateral homogeneous phosphorescent organic light-emitting diodes with enhanced power efficiency. Journal of Materials Chemistry C, 2015, 3, 11192-11201.	2.7	37
68	Doping-free tandem white organic light-emitting diodes. Science Bulletin, 2017, 62, 1193-1200.	4.3	37
69	Molecular engineering of pyrimidine-containing thermally activated delayed fluorescence emitters for highly efficient deep-blue (CIE y < 0.06) organic light-emitting diodes. Dyes and Pigments, 2018, 155, 51-58.	2.0	35
70	Highly efficient yellow nondoped thermally activated delayed fluorescence OLEDs by utilizing energy transfer between dual conformations based on phenothiazine derivatives. Dyes and Pigments, 2019, 170, 107636.	2.0	35
71	Hierarchical heterojunction structures based-on layered Sb2Te3 nanoplate@rGO for extended long-term life and high-rate capability of sodium batteries. Applied Materials Today, 2019, 15, 582-589.	2.3	35
72	Very-High Color Rendering Index Hybrid White Organic Light-Emitting Diodes with Double Emitting Nanolayers. Nano-Micro Letters, 2014, 6, 335-339.	14.4	34

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73	Highly efficient white organic light-emitting diodes with single small molecular emitting material. Applied Physics Letters, 2007, 91, 183504.	1.5	33
74	Anionic conjugated polyelectrolyteâ€“wetting properties with an emission layer and free ion migration when serving as a cathode interface layer in polymer light emitting diodes (PLEDs). Journal of Materials Chemistry, 2012, 22, 15490.	6.7	33
75	Asymmetric anthracene derivatives as multifunctional electronic materials for constructing simplified and efficient non-doped homogeneous deep blue fluorescent OLEDs. Chemical Engineering Journal, 2020, 393, 124694.	6.6	33
76	Efficient blue organic light-emitting diodes based on triphenylimidazole substituted anthracene derivatives. Organic Electronics, 2015, 21, 9-18.	1.4	32
77	Optimized electron-transport material based on m-terphenyl-diphenylphosphine oxide with the harmonious compatibility of high E_T and electron mobility for highly efficient OLEDs. Journal of Materials Chemistry C, 2017, 5, 8516-8526.	2.7	31
78	Radical-Based Organic Light-Emitting Diodes with Maximum External Quantum Efficiency of 10.6%. Journal of Physical Chemistry Letters, 2018, 9, 6644-6648.	2.1	30
79	From a blue to white to yellow emitter: a hexanuclear copper iodide nanocluster. Dalton Transactions, 2020, 49, 5859-5868.	1.6	30
80	Spatially controlled synthesis of superlattice-like SnS/nitrogen-doped graphene hybrid nanobelts as high-rate and durable anode materials for sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 27475-27483.	5.2	29
81	Efficient TADF-OLEDs with ultra-soluble Copper(I) halide complexes containing non-symmetrically substituted bidentate phosphine and PPh3 ligands. Journal of Luminescence, 2020, 220, 116963.	1.5	28
82	Molecular engineering of anthracene-based emitters for highly efficient nondoped deep-blue fluorescent OLEDs. Journal of Materials Chemistry C, 2020, 8, 9678-9687.	2.7	28
83	Constructing New n-Type, Ambipolar, and p-Type Aggregation-Induced Blue Luminogens by Gradually Tuning the Proportion of Tetrahphenylethene and Diphenylphophine Oxide. Journal of Physical Chemistry C, 2014, 118, 8610-8616.	1.5	27
84	From deep blue to green emitting and ultralong fluorescent copper(i) halide complexes containing dimethylthiophene diphosphine and PPh3 ligands. Dalton Transactions, 2019, 48, 11448-11459.	1.6	27
85	The selective regulation of borylation site based on one-shot electrophilic Câ€“H borylation reaction, achieving highly efficient narrowband organic light-emitting diodes. Chemical Engineering Journal, 2022, 431, 133221.	6.6	27
86	Manipulating the positions of CHâ‹¯N in acceptors of pyrimidineâ€“pyridine hybrids for highly efficient sky-blue thermally activated delayed fluorescent OLEDs. Materials Chemistry Frontiers, 2018, 2, 2054-2062.	3.2	26
87	Near-saturated red emitters: four-coordinate copper(i) halide complexes containing 8-(diphenylphosphino)quinoline and 1-(diphenylphosphino)naphthalene ligands. Dalton Transactions, 2018, 47, 9294-9302.	1.6	25
88	Novel asymmetrical pyrene derivatives as light emitting materials: Synthesis and photophysics. Journal of Luminescence, 2012, 132, 1010-1014.	1.5	24
89	Syntheses and photoluminescence of copper(<scp>i</scp>) halide complexes containing dimethylthiophene bidentate phosphine ligands. New Journal of Chemistry, 2019, 43, 13408-13417.	1.4	24
90	A Simple Colorimetric and Fluorescent Anion Sensor Based on 4-Amino-1,8-naphthalimide: Synthesis and its Recognition Properties. Supramolecular Chemistry, 2008, 20, 467-472.	1.5	23

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91	Simultaneous achievement of low efficiency roll-off and stable color in highly efficient single-emitting-layer phosphorescent white organic light-emitting diodes. Journal of Materials Chemistry C, 2014, 2, 5870-5877.	2.7	23
92	Design, synthesis, characterization and application of a novel electron-deficient moiety 1,5-diazacarbazole in high triplet energy host materials. Journal of Materials Chemistry C, 2016, 4, 5222-5230.	2.7	23
93	A new strategy to synthesize three-coordinate mononuclear copper(<scp>i</scp>) halide complexes containing a bulky terphenyl bidentate phosphine ligand and their luminescent properties. New Journal of Chemistry, 2019, 43, 3390-3399.	1.4	23
94	New multifunctional aggregation-induced emission fluorophores for reversible piezofluorochromic and nondoped sky-blue organic light-emitting diodes. Dyes and Pigments, 2018, 158, 204-212.	2.0	22
95	Effects of praseodymium doping on the electrical properties and aging effect of InZnO thin-film transistor. Journal of Materials Science, 2019, 54, 14778-14786.	1.7	22
96	Largely Color-Tuning Prompt and Delayed Fluorescence: Dinuclear Cu(I) Halide Complexes with tert-Amines and Phosphines. Inorganic Chemistry, 2021, 60, 4841-4851.	1.9	22
97	High efficiency blue phosphorescent organic light-emitting diodes with a multiple quantum well structure for reduced efficiency roll-off. Optics Express, 2012, 20, 24411.	1.7	21
98	Efficient and high colour-purity green-light polymer light-emitting diodes (PLEDs) based on a PVK-supported Tb³⁺-containing metallopolymer. Journal of Materials Chemistry C, 2017, 5, 9021-9027.	2.7	21
99	Imidazole derivatives for efficient organic light-emitting diodes. Journal of Information Display, 2020, 21, 173-196.	2.1	21
100	Construction of deep-blue AIE luminogens with TPE and oxadiazole units. Science China Chemistry, 2013, 56, 1213-1220.	4.2	20
101	Efficient single-emitting layer hybrid white organic light-emitting diodes with low efficiency roll-off, stable color and extremely high luminance. Journal of Industrial and Engineering Chemistry, 2015, 30, 85-91.	2.9	20
102	In Situ Quantifying the Physical Parameters Determining the Efficiency of OLEDs Relying on Tripletâ€“Triplet Annihilation Upâ€conversion. Advanced Optical Materials, 2022, 10, .	3.6	20
103	Highly efficient and stable white light organic light-emitting devices. Applied Physics Letters, 2007, 91, 073517.	1.5	19
104	High performance organic light-emitting diodes based on tetra(methoxy)-containing anthracene derivatives as a hole transport and electron-blocking layer. Journal of Materials Chemistry, 2010, 20, 8382.	6.7	19
105	Tuning electron injection/transporting properties of 9,10-diphenylanthracene based electron transporters via optimizing the number of peripheral pyridine for highly efficient fluorescent OLEDs. Organic Electronics, 2016, 34, 179-187.	1.4	19
106	Fusing acridine and benzofuran/benzothiophene as a novel hybrid donor for high-performance and low efficiency roll-off TADF OLEDs. Journal of Materials Chemistry C, 2020, 8, 1864-1870.	2.7	19
107	Organic Electropolymerized Multilayers for Light-Emitting Diodes and Displays. ACS Applied Materials & Interfaces, 2020, 12, 20714-20721.	4.0	19
108	Low sublimation temperature cesium pivalate complex as an efficient electron injection material for organic light-emitting diode devices. Organic Electronics, 2011, 12, 1957-1962.	1.4	18

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109	Construction of thermally stable 3,6-disubstituted spiro-fluorene derivatives as host materials for blue phosphorescent organic light-emitting diodes. Dyes and Pigments, 2015, 114, 222-230.	2.0	18
110	Solution-processable 1,3,5-tri(9-anthracene)-benzene cored propeller-shaped materials with high Tg for blue organic light-emitting diodes. Organic Electronics, 2011, 12, 1716-1723.	1.4	17
111	Phenothiazine dioxide-containing derivatives as efficient hosts for blue, green and yellow thermally activated delayed fluorescence OLEDs. Journal of Materials Chemistry C, 2020, 8, 3705-3714.	2.7	17
112	Investigation on spacers and structures: A simple but effective approach toward high-performance hybrid white organic light emitting diodes. Synthetic Metals, 2013, 184, 5-9.	2.1	16
113	Donor engineering for diphenylsulfone derivatives with both thermally activated delayed fluorescence and aggregation-induced emission properties. Dyes and Pigments, 2021, 184, 108781.	2.0	16
114	Enhancing the electronic coupling in a cyclometalated bisruthenium complex by using the 1,3,6,8-tetra(pyridin-2-yl)carbazole bridge. Dalton Transactions, 2013, 42, 5611.	1.6	15
115	Exceptionally efficient deep blue anthracene-based luminogens: design, synthesis, photophysical, and electroluminescent mechanisms. Science Bulletin, 2021, 66, 2090-2098.	4.3	15
116	Optimizing the conjugation between N,Nâ€²-dicarbazolyl-3,5-benzene and triphenylphosphine oxide as bipolar hybrids for highly efficient blue and single emissive layer white phosphorescent OLEDs. Organic Electronics, 2013, 14, 2573-2581.	1.4	14
117	Simplified hybrid white organic light-emitting diodes with efficiency/efficiency roll-off/color rendering index/color-stability trade-off. Physica Status Solidi - Rapid Research Letters, 2014, 8, 719-723.	1.2	14
118	Modifying the AIE-TADF chromophore with host-substituents to achieve high efficiency and low roll-off non-doped OLEDs. Organic Electronics, 2020, 78, 105602.	1.4	13
119	Novel electron-type host material for unilateral homogeneous phosphorescent organic light-emitting diodes with low efficiency roll-off. Journal of Materials Chemistry, 2012, 22, 23129.	6.7	12
120	Efficient deep red phosphorescent OLEDs using 1,2,4-thiadiazole core-based novel bipolar host with low efficiency roll-off. Frontiers of Optoelectronics, 2018, 11, 375-384.	1.9	12
121	Towards highly efficient thermally activated delayed fluorescence devices through a trap-assisted recombination mechanism and reduced interfacial exciton annihilation. Journal of Materials Chemistry C, 2017, 5, 4636-4644.	2.7	11
122	Constructing diazacarbazole-bicarbazole bipolar hybrids by optimizing the linker group for high efficiency, low roll off electrophosphorescent devices. Dyes and Pigments, 2017, 136, 54-62.	2.0	11
123	A Promising Multifunctional Deepâ€Blue Fluorophor for Highâ€Performance Monochromatic and Hybrid White OLEDs with Superior Efficiency/Color Stability and Low Efficiency Rollâ€Off. Advanced Optical Materials, 2022, 10, .	3.6	11
124	Toward high efficiency green phosphorescent organic light-emitting diodes by fine tuning the charge transporting properties of 1,2,4-thiadiazole based hosts. Organic Electronics, 2015, 16, 177-185.	1.4	10
125	Efficient pure green light-emitting diodes based on formamidinium lead bromide perovskite nanocrystals. Organic Electronics, 2018, 60, 64-70.	1.4	10
126	Deep-red organic light-emitting diodes with stable electroluminescent spectra based on zinc complex host material. RSC Advances, 2017, 7, 40533-40538.	1.7	9

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127	Freestanding Nanoengineered [001] Preferentially Oriented TiO₂ Nanosheetsâ"Graphene Planarly Aligned Nanohybrids with Enhanced Liâ€Storage Properties. ChemElectroChem, 2017, 4, 2819-2825.	1.7	9
128	Efficient deep-blue thermally activated delayed fluorescence emitters based on diphenylsulfone-derivative acceptor. Dyes and Pigments, 2020, 178, 108367.	2.0	9
129	Subnanometer MoP clusters confined in mesoporous carbon (CMK-3) as superior electrocatalytic sulfur hosts for high-performance lithium-sulfur batteries. Chemical Engineering Journal, 2022, 446, 137050.	6.6	9
130	A strategy to construct multifunctional TADF materials for deep blue and high efficiency yellow fluorescent devices. Journal of Materials Chemistry C, 2020, 8, 4818-4826.	2.7	8
131	Boosting the performance of sky-blue fluorescent OLEDs based on DPA-containing electron-transporting materials with a â€œV-shaped layout of triplet energy levelsâ€• Materials Chemistry Frontiers, 2019, 3, 812-820.	3.2	7
132	Efficient CsPbBr3 nanocrystals light emitting diodes achieved with Na+ modifying. Organic Electronics, 2020, 84, 105796.	1.4	7
133	Synthesis and photoelectric properties of new Dawson-type polyoxometalate-based dimeric and oligomeric Pt(ii)-acetylide inorganicâ€"organic hybrids. Dalton Transactions, 2015, 44, 306-315.	1.6	6
134	Influence of the D/A ratio of 1,3,5-triphenylbenzene based starburst host materials on blue electrophosphorescent devices: a comparative study. RSC Advances, 2016, 6, 46775-46784.	1.7	6
135	The application of axisymmetric lattice Boltzmann two-phase model on simulations of liquid film dewetting. Journal of Applied Physics, 2017, 122, 085305.	1.1	5
136	CsPb(Br/Cl)3 Perovskite Nanocrystals with Bright Blue Emission Synergistically Modified by Calcium Halide and Ammonium Ion. Nanomaterials, 2022, 12, 2026.	1.9	5
137	Exploiting asymmetric anthracene-based multifunctional materials based on a â€œbulky peripheral modificationâ€•strategy for constructing simplified efficient deep-blue fluorescent OLEDs. Journal of Materials Chemistry C, 2021, 9, 13392-13401.	2.7	4
138	Controlling electron transport towards efficient all-solution-processed quantum dot light emitting diodes. Journal of Materials Chemistry C, 2022, 10, 8373-8380.	2.7	4
139	Comparative study of using different alkali metal alkylcarboxylates as electron injection materials in OLEDs. Journal of Materials Chemistry C, 2015, 3, 6916-6923.	2.7	3
140	Optimization of carrier transport layer: A simple but effective approach toward achieving high efficiency all-solution processed InP quantum dot light emitting diodes. Organic Electronics, 2021, 96, 106256.	1.4	3
141	Mononuclear Cu(I) halide complexes with two thiophenyl rings triphosphine: Structure and photophysical properties. Journal of Luminescence, 2022, 250, 119098.	1.5	3
142	A simple unilateral homogenous PhOLEDs with enhanced efficiency and reduced efficiency roll-off. Frontiers of Optoelectronics, 2013, 6, 435-439.	1.9	2
143	Impact of geometric factors of roughness on the dewetting dynamics of a liquid film in the Wenzel state. Journal Physics D: Applied Physics, 2021, 54, 065305.	1.3	2
144	Efficient exciton regulation for high-performance hybrid white organic light-emitting diodes with superior efficiency/CRI/color stability based on blue aggregation-induced emission fluorophor. Organic Electronics, 2022, 101, 106425.	1.4	2

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145	Two spiro[fluorene-9,8â€²-indolo[3,2,1-de]acridine] derivatives as host materials for green phosphorescent organic light-emitting diodes. Thin Solid Films, 2017, 642, 96-102.	0.8	1
146	Exploiting novel electron-deficient moiety 2,5-diazarcarbazole to functionally construct DPA-containing electron transporting materials for highly efficient sky-blue fluorescent OLEDs. Dyes and Pigments, 2021, 185, 108935.	2.0	1
147	25.3: Highly Efficient White Light Organic Lightâ€Emitting Device. Digest of Technical Papers SID International Symposium, 2007, 38, 1114-1117.	0.1	0
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