Yanqin Miao

List of Publications by Year
in descending order

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Version: 2024-02-01

76	1,763	257450	315739
papers	citations	24 h-index	38 g-index

77	77	77	1760
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-efficiency/CRI/color stability warm white organic light-emitting diodes by incorporating ultrathin phosphorescence layers in a blue fluorescence layer. Nanophotonics, 2018, 7, 295-304.	6.0	128
2	Highâ€Performance Organic Electroluminescence: Design from Organic Lightâ€Emitting Materials to Devices. Chemical Record, 2019, 19, 1531-1561.	5.8	79
3	Synthesis of short-chain passivated carbon quantum dots as the light emitting layer towards electroluminescence. RSC Advances, 2017, 7, 28754-28762.	3.6	77
4	Designing Highly Efficient Phosphorescent Neutral Tetrahedral Manganese(II) Complexes for Organic Lightâ€Emitting Diodes. Advanced Optical Materials, 2019, 7, 1801160.	7.3	69
5	Carbon dot-based white and yellow electroluminescent light emitting diodes with a record-breaking brightness. Nanoscale, 2018, 10, 11211-11221.	5.6	67
6	Highly Efficient Red and White Organic Light-Emitting Diodes with External Quantum Efficiency beyond 20% by Employing Pyridylimidazole-Based Metallophosphors. ACS Applied Materials & Interfaces, 2017, 9, 37873-37882.	8.0	65
7	Ultrahigh Brightness Carbon Dotâ€“Based Blue Electroluminescent LEDs by Hostâ€“Guest Energy Transfer Emission Mechanism. Advanced Optical Materials, 2018, 6, 1800181.	7.3	51
8	Solution-Processable ZnO/Carbon Quantum Dots Electron Extraction Layer for Highly Efficient Polymer Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 4895-4903.	8.0	51
9	Precise manipulation of the carrier recombination zone: a universal novel device structure for highly efficient monochrome and white phosphorescent organic light-emitting diodes with extremely small efficiency roll-off. Journal of Materials Chemistry C, 2018, 6, 8122-8134.	5.5	49
10	Highly efficient thienylquinoline-based phosphorescent iridium(III) complexes for red and white organic light-emitting diodes. Organic Electronics, 2017, 45, 293-301.	2.6	47
11	Bipolar hosts and non-doped deep-blue emitters (CIE_y= 0.04) based on phenylcarbazole and 2-(2-phenyl-2H-1,2,4-triazol-3-yl)pyridine groups. Journal of Materials Chemistry C, 2017, 5, 4455-4462.	5.5	46
12	Manipulation and exploitation of singlet and triplet excitons for hybrid white organic light-emitting diodes with superior efficiency/CRI/color stability. Journal of Materials Chemistry C, 2017, 5, 12474-12482.	5.5	44
13	Energy transfer in polyfluorene copolymer used for white-light organic light emitting device. Organic Electronics, 2013, 14, 827-838.	2.6	40
14	Triphenylamine/benzothiadiazole-based compounds for non-doped orange and red fluorescent OLEDs with high efficiencies and low efficiency roll-off. Journal of Materials Chemistry C, 2021, 9, 4921-4926.	5.5	40
15	Two novel indolo[3,2-b]carbazole derivatives containing dimesitylboron moieties: synthesis, photoluminescent and electroluminescent properties. New Journal of Chemistry, 2014, 38, 2368-2378.	2.8	37
16	High color stability and CRI (>80) fluorescent white organic light-emitting diode based pure emission of exciplexes by employing merely complementary colors. Journal of Materials Chemistry C, 2018, 6, 304-311.	5.5	35
17	Deep-blue fluorescent emitter based on a 9,9-dioctylfluorene bridge with a hybridized local and charge-transfer excited state for organic light-emitting devices with EQE exceeding 8%. Journal of Materials Chemistry C, 2020, 8, 14117-14124.	5.5	34
18	A bipolar emitting material for high efficient non-doped fluorescent organic light-emitting diode approaching standard deep blue. Dyes and Pigments, 2016, 129, 34-42.	3.7	33

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19	Tetra-carbazole substituted spiro[fluorene-9,9â€²-xanthene]-based hole-transporting materials with high thermal stability and mobility for efficient OLEDs. Dyes and Pigments, 2017, 139, 764-771.	3.7	33
20	Combining emissions of hole- and electron-transporting layers simultaneously for simple blue and white organic light-emitting diodes with superior device performance. Journal of Materials Chemistry C, 2018, 6, 1853-1862.	5.5	32
21	Highly efficient chlorine functionalized blue iridium(iii) phosphors for blue and white phosphorescent organic light-emitting diodes with the external quantum efficiency exceeding 20%. Journal of Materials Chemistry C, 2018, 6, 6656-6665.	5.5	32
22	High efficiency and low roll-off green OLEDs with simple structure by utilizing thermally activated delayed fluorescence material as the universal host. Nanophotonics, 2017, 6, 1133-1140.	6.0	28
23	Novel carbazole-based multifunctional materials with a hybridized local and charge-transfer excited state acting as deep-blue emitters and phosphorescent hosts for highly efficient organic light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 5899-5907.	5.5	28
24	Recent progress on organic light-emitting diodes with phosphorescent ultrathin (<1nm) light-emitting layers. IScience, 2022, 25, 103804.	4.1	27
25	A star-shaped bipolar host material based on carbazole and dimesitylboron moieties for fabrication of highly efficient red, green and blue electrophosphorescent devices. Journal of Materials Chemistry C, 2014, 2, 2160-2168.	5.5	25
26	Novel blue fluorescent emitters structured by linking triphenylamine and anthracene derivatives for organic light-emitting devices with EQE exceeding 5%. Journal of Materials Chemistry C, 2019, 7, 10810-10817.	5.5	25
27	Low turn-on voltage and low roll-off rare earth europium complex-based organic light-emitting diodes with exciplex as the host. Journal of Materials Chemistry C, 2017, 5, 12182-12188.	5.5	23
28	Highly Efficient Deep-Blue Electroluminescence from a Aâˆ’Ï€â€“Dâˆ’Ï€â€“A Structure Based Fluoresence Material with Exciton Utilizing Efficiency above 25%. ACS Applied Energy Materials, 2018, 1, 3243-3254.	5.1	23
29	A new strategy for structuring white organic light-emitting diodes by combining complementary emissions in the same interface. Journal of Materials Chemistry C, 2020, 8, 2772-2779.	5.5	23
30	Tandem white organic light-emitting diodes stacked with two symmetrical emitting units simultaneously achieving superior efficiency/CRI/color stability. Nanophotonics, 2019, 8, 1783-1794.	6.0	22
31	Extremely high chromatic-stability white organic light-emitting device with symmetrical cascade emissive layer. Organic Electronics, 2015, 23, 199-207.	2.6	21
32	Two novel bipolar compounds based-on 1, 2, 4-triazol derivatives for non-doped deep-blue and green phosphorescent OLED applications. Dyes and Pigments, 2017, 143, 25-32.	3.7	21
33	Pyrene-based hyperbranched porous polymers with doped Ir(piq)2(acac) red emitter for highly efficient white polymer light-emitting diodes. Organic Electronics, 2020, 76, 105487.	2.6	20
34	A novel intramolecular charge transfer blue fluorophor for high color stability hybrid di-chromatic white organic light-emitting diodes. Organic Electronics, 2017, 42, 1-7.	2.6	19
35	A Low-Temperature Solution-Processed CuSCN/Polymer Hole Transporting Layer Enables High Efficiency for Organic Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 46373-46380.	8.0	19
36	Non-phosphor-doped fluorescent/phosphorescent hybrid white organic light-emitting diodes with a sandwiched blue emitting layer for simultaneously achieving superior device efficiency and color quality. Journal of Materials Chemistry C, 2018, 6, 9811-9820.	5.5	17

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37	Low-temperature direct synthesis of perovskite nanocrystals in water and their application in light-emitting diodes. Nanoscale, 2020, 12, 6522-6528.	5.6	17
38	Efficient tandem organic light-emitting device based on photovoltaic-type connector with positive cycle. Applied Physics Letters, 2013, 102, .	3.3	16
39	Simplified phosphorescent organic light-emitting devices using heavy doping with an Ir complex as an emitter. RSC Advances, 2015, 5, 4261-4265.	3.6	16
40	Energy level engineering of PEDOT:PSS by antimonene quantum sheet doping for highly efficient OLEDs. Journal of Materials Chemistry C, 2020, 8, 1796-1802.	5.5	16
41	Non-doped white organic light-emitting diodes with superior efficiency/color stability by employing ultra-thin phosphorescent emitters. Journal of Materials Chemistry C, 2018, 6, 4250-4256.	5.5	15
42	Novel 2D material from AMQS-based defect engineering for efficient and stable organic solar cells. 2D Materials, 2019, 6, 045017.	4.4	15
43	Triphenylamine-based small molecules with aggregation-induced emission and mechanochromic luminescence properties for OLED application. Tetrahedron, 2021, 86, 132061.	1.9	14
44	A multifunctional luminescent material based on quinoxaline and triphenylamine groups: polymorphism, mechanochromic luminescence, and applications in high-efficiency fluorescent OLEDs. Journal of Materials Chemistry C, 2022, 10, 3396-3403.	5.5	14
45	Ultra-simple white organic light-emitting diodes employing only two complementary colors with color-rendering index beyond 90. RSC Advances, 2017, 7, 49769-49776.	3.6	13
46	Multiple emissive layers white organic light emitting device with nanoplatforms patterning structure for improved current efficiency and color balance. Synthetic Metals, 2015, 203, 59-67.	3.9	12
47	Electroluminescence and photo-response of inorganic halide perovskite bi-functional diodes. Nanophotonics, 2018, 7, 1981-1988.	6.0	11
48	Polyfluorene-based white light conjugated polymers incorporating orange iridium(<scp>iii</scp>) complexes: the effect of steric configuration on their photophysical and electroluminescent properties. RSC Advances, 2018, 8, 1638-1646.	3.6	10
49	Realization of Ultra-High Color Stable Hybrid White Organic Light-Emitting Diodes via Sequential Symmetrical Doping in Emissive Layer. Science of Advanced Materials, 2016, 8, 401-407.	0.7	10
50	Novel phosphorescent neutral iridium(III) complex with the steric hindrance for highly efficient red organic light-emitting diodes. Tetrahedron Letters, 2017, 58, 3598-3601.	1.4	9
51	Two novel bipolar hosts based on 1,2,4-triazole derivatives for highly efficient red phosphorescent OLEDs showing a small efficiency roll-off. Organic Electronics, 2019, 70, 272-278.	2.6	9
52	Novel donor-acceptor-donor hosts for green and red phosphorescent OLEDs achieving high device efficiency and low efficiency roll-off. Dyes and Pigments, 2020, 180, 108491.	3.7	9
53	Fluorene-containing polyhedral oligomericsilsesquioxanes modified hyperbranched polymer for white light-emitting diodes with ultra-high color rendering index of 96. Journal of Solid State Chemistry, 2021, 298, 122122.	2.9	9
54	Anthracene and carbazole based asymmetric fluorescent materials for high-efficiency deep-blue non-doped organic light emitting devices with CIEy=0.06. Dyes and Pigments, 2022, 199, 110047.	3.7	9

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55	Solution processed CuSCN/perylene hole extraction layer for highly efficient and stable organic solar cells. Journal of Power Sources, 2020, 448, 227448.	7.8	8
56	All-exciplex-based white organic light-emitting diodes by employing an interface-free sandwich light-emitting unit achieving high electroluminescence performance. Journal of Materials Chemistry C, 2020, 8, 12247-12256.	5.5	8
57	Improved light outcoupling of organic light-emitting diodes by randomly embossed nanostructure. Synthetic Metals, 2015, 203, 200-207.	3.9	7
58	Enhanced light out-coupling efficiency and reduced efficiency roll-off in phosphorescent OLEDs with a spontaneously distributed embossed structure formed by a spin-coating method. RSC Advances, 2017, 7, 43987-43993.	3.6	7
59	Small-size graphene oxide (GO) as a hole injection layer for high-performance green phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 12408-12419.	5.5	7
60	Ultra-simple two color WOLEDs with CRI exceeding 90 based on electron-transporting Bepp2 simultaneously as blue emitter and exciplex acceptor. Journal of Luminescence, 2018, 201, 224-230.	3.1	6
61	Synthesis and properties of hyperbranched polymers for white polymer light-emitting diodes. RSC Advances, 2019, 9, 36058-36065.	3.6	6
62	A novel bipolar host material based on carbazole and 1,3,5-triazine with an extremely low efficiency roll-off for green PhOLEDs. Dyes and Pigments, 2021, 196, 109808.	3.7	6
63	Combining intrinsic (blue) and exciplex (green and orange-red) emissions of the same material (OCT) in white organic light-emitting diodes to realize high color quality with a CRI of 97. Journal of Materials Chemistry C, 2022, 10, 6654-6664.	5.5	6
64	Solution-Processed Yellow Organic Light-Emitting Diodes Based on Two New Ionic Ir (III) Complexes. Molecules, 2022, 27, 2840.	3.8	6
65	Reduced efficiency roll-off in phosphorescent OLEDs with a stack emitting layer facilitating triplet exciton diffusion. RSC Advances, 2015, 5, 89041-89046.	3.6	5
66	Sky-blue phosphorescent organic light-emitting diode with superior performance based on novel chlorine functionalized iridium(III) complex. Tetrahedron Letters, 2018, 59, 2095-2098.	1.4	5
67	Violet/deep-blue fluorescent organic light-emitting diode based on high-efficiency novel carbazole derivative with large torsion angle. Tetrahedron Letters, 2019, 60, 151340.	1.4	5
68	Facile synthesis of perovskite phosphors and nanocrystals using laundry detergent by ultra-rapid freezing for light-emitting diodes application. Journal of Luminescence, 2021, 233, 117902.	3.1	5
69	Synthesis of novel s-triazine/carbazole based bipolar molecules and their application in phosphorescent OLEDs. Journal of Materials Science: Materials in Electronics, 2015, 26, 6563-6571.	2.2	4
70	Improved color stability of complementary WOLED with symmetrical doped phosphors in single host: experimental verification and mechanism analysis. RSC Advances, 2017, 7, 33782-33788.	3.6	4
71	Novel difluorenyl substituted 1,3,5-triazine and carbazole based bipolar host materials with high thermal stability for efficient green phosphorescent organic light-emitting diodes (PhOLEDs). Tetrahedron, 2021, 90, 132175.	1.9	4
72	Improved electrical ideality and photoresponse in near-infrared phototransistors realized by bulk heterojunction channels. IScience, 2022, 25, 103711.	4.1	4

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73	Combining complementary emissions of hole- and electron-transport layers for ultra-simple white organic light-emitting diodes achieving high device performance. Journal of Luminescence, 2021, 239, 118343.	3.1	2
74	Novel carbazole- and dioxino[2,3-b]pyrazine-based bipolar hosts for red PhOLEDs with a high brightness. New Journal of Chemistry, 0, , .	2.8	2
75	All-fluorescent white organic light-emitting diodes with EQE exceeding theoretical limit of 5% by incorporating a novel yellow fluorophor in co-doping forming blue exciplex. Organic Electronics, 2020, 83, 105746.	2.6	1
76	New bipolar host materials based on isoquinoline and phenylcarbazole for red PhOLEDs. Dyes and Pigments, 2022, 205, 110559.	3.7	0