

# Yanqin Miao

## List of Publications by Year in descending order

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76  
papers

1,763  
citations

257450

24  
h-index

315739

38  
g-index

77  
all docs

77  
docs citations

77  
times ranked

1760  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anthracene and carbazole based asymmetric fluorescent materials for high-efficiency deep-blue non-doped organic light emitting devices with CIE <sub>y</sub> =0.06. <i>Dyes and Pigments</i> , 2022, 199, 110047.	3.7	9
2	Recent progress on organic light-emitting diodes with phosphorescent ultrathin (<1nm) light-emitting layers. <i>IScience</i> , 2022, 25, 103804.	4.1	27
3	Improved electrical ideality and photoresponse in near-infrared phototransistors realized by bulk heterojunction channels. <i>IScience</i> , 2022, 25, 103711.	4.1	4
4	A multifunctional luminescent material based on quinoxaline and triphenylamine groups: polymorphism, mechanochromic luminescence, and applications in high-efficiency fluorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3396-3403.	5.5	14
5	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. <i>Journal of Materials Chemistry C</i> , 2022, 10, 6654-6664.	5.5	6
6	Solution-Processed Yellow Organic Light-Emitting Diodes Based on Two New Ionic Ir (III) Complexes. <i>Molecules</i> , 2022, 27, 2840.	3.8	6
7	New bipolar host materials based on isoquinoline and phenylcarbazole for red PhOLEDs. <i>Dyes and Pigments</i> , 2022, 205, 110559.	3.7	0
8	Triphenylamine/benzothiadiazole-based compounds for non-doped orange and red fluorescent OLEDs with high efficiencies and low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4921-4926.	5.5	40
9	Triphenylamine-based small molecules with aggregation-induced emission and mechanochromic luminescence properties for OLED application. <i>Tetrahedron</i> , 2021, 86, 132061.	1.9	14
10	Facile synthesis of perovskite phosphors and nanocrystals using laundry detergent by ultra-rapid freezing for light-emitting diodes application. <i>Journal of Luminescence</i> , 2021, 233, 117902.	3.1	5
11	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). <i>Tetrahedron</i> , 2021, 90, 132175.	1.9	4
12	Fluorene-containing polyhedral oligomeric silsesquioxanes modified hyperbranched polymer for white light-emitting diodes with ultra-high color rendering index of 96. <i>Journal of Solid State Chemistry</i> , 2021, 298, 122122.	2.9	9
13	Combining complementary emissions of hole- and electron-transport layers for ultra-simple white organic light-emitting diodes achieving high device performance. <i>Journal of Luminescence</i> , 2021, 239, 118343.	3.1	2
14	A novel bipolar host material based on carbazole and 1,3,5-triazine with an extremely low efficiency roll-off for green PhOLEDs. <i>Dyes and Pigments</i> , 2021, 196, 109808.	3.7	6
15	Small-size graphene oxide (GO) as a hole injection layer for high-performance green phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12408-12419.	5.5	7
16	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. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5899-5907.	5.5	28
17	Pyrene-based hyperbranched porous polymers with doped Ir(piq) <sub>2</sub> (acac) red emitter for highly efficient white polymer light-emitting diodes. <i>Organic Electronics</i> , 2020, 76, 105487.	2.6	20
18	Energy level engineering of PEDOT:PSS by antimonene quantum sheet doping for highly efficient OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1796-1802.	5.5	16

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19	Solution processed CuSCN/perylene hole extraction layer for highly efficient and stable organic solar cells. <i>Journal of Power Sources</i> , 2020, 448, 227448.	7.8	8
20	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%. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14117-14124.	5.5	34
21	All-exciplex-based white organic light-emitting diodes by employing an interface-free sandwich light-emitting unit achieving high electroluminescence performance. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12247-12256.	5.5	8
22	A Low-Temperature Solution-Processed CuSCN/Polymer Hole Transporting Layer Enables High Efficiency for Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 46373-46380.	8.0	19
23	Novel donor-acceptor-donor hosts for green and red phosphorescent OLEDs achieving high device efficiency and low efficiency roll-off. <i>Dyes and Pigments</i> , 2020, 180, 108491.	3.7	9
24	Low-temperature direct synthesis of perovskite nanocrystals in water and their application in light-emitting diodes. <i>Nanoscale</i> , 2020, 12, 6522-6528.	5.6	17
25	A new strategy for structuring white organic light-emitting diodes by combining complementary emissions in the same interface. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2772-2779.	5.5	23
26	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. <i>Organic Electronics</i> , 2020, 83, 105746.	2.6	1
27	Tandem white organic light-emitting diodes stacked with two symmetrical emitting units simultaneously achieving superior efficiency/CRI/color stability. <i>Nanophotonics</i> , 2019, 8, 1783-1794.	6.0	22
28	Violet/deep-blue fluorescent organic light-emitting diode based on high-efficiency novel carbazole derivative with large torsion angle. <i>Tetrahedron Letters</i> , 2019, 60, 151340.	1.4	5
29	Novel blue fluorescent emitters structured by linking triphenylamine and anthracene derivatives for organic light-emitting devices with EQE exceeding 5%. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10810-10817.	5.5	25
30	Novel 2D material from AMQS-based defect engineering for efficient and stable organic solar cells. <i>2D Materials</i> , 2019, 6, 045017.	4.4	15
31	Two novel bipolar hosts based on 1,2,4-triazole derivatives for highly efficient red phosphorescent OLEDs showing a small efficiency roll-off. <i>Organic Electronics</i> , 2019, 70, 272-278.	2.6	9
32	Synthesis and properties of hyperbranched polymers for white polymer light-emitting diodes. <i>RSC Advances</i> , 2019, 9, 36058-36065.	3.6	6
33	High Performance Organic Electroluminescence: Design from Organic Light-Emitting Materials to Devices. <i>Chemical Record</i> , 2019, 19, 1531-1561.	5.8	79
34	Designing Highly Efficient Phosphorescent Neutral Tetrahedral Manganese(II) Complexes for Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2019, 7, 1801160.	7.3	69
35	Sky-blue phosphorescent organic light-emitting diode with superior performance based on novel chlorine functionalized iridium(III) complex. <i>Tetrahedron Letters</i> , 2018, 59, 2095-2098.	1.4	5
36	Ultrahigh Brightness Carbon Dot-Based Blue Electroluminescent LEDs by Host-Guest Energy Transfer Emission Mechanism. <i>Advanced Optical Materials</i> , 2018, 6, 1800181.	7.3	51

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37	Solution-Processable ZnO/Carbon Quantum Dots Electron Extraction Layer for Highly Efficient Polymer Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 4895-4903.	8.0	51
38	Combining emissions of hole- and electron-transporting layers simultaneously for simple blue and white organic light-emitting diodes with superior device performance. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1853-1862.	5.5	32
39	Polyfluorene-based white light conjugated polymers incorporating orange iridium(III) complexes: the effect of steric configuration on their photophysical and electroluminescent properties. <i>RSC Advances</i> , 2018, 8, 1638-1646.	3.6	10
40	Highly efficient chlorine functionalized blue iridium(III) phosphors for blue and white phosphorescent organic light-emitting diodes with the external quantum efficiency exceeding 20%. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6656-6665.	5.5	32
41	Non-doped white organic light-emitting diodes with superior efficiency/color stability by employing ultra-thin phosphorescent emitters. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4250-4256.	5.5	15
42	High color stability and CRI (>80) fluorescent white organic light-emitting diode based pure emission of exciplexes by employing merely complementary colors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 304-311.	5.5	35
43	High-efficiency/CRI/color stability warm white organic light-emitting diodes by incorporating ultrathin phosphorescence layers in a blue fluorescence layer. <i>Nanophotonics</i> , 2018, 7, 295-304.	6.0	128
44	Electroluminescence and photo-response of inorganic halide perovskite bi-functional diodes. <i>Nanophotonics</i> , 2018, 7, 1981-1988.	6.0	11
45	Carbon dot-based white and yellow electroluminescent light emitting diodes with a record-breaking brightness. <i>Nanoscale</i> , 2018, 10, 11211-11221.	5.6	67
46	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. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8122-8134.	5.5	49
47	Ultra-simple two color WOLEDs with CRI exceeding 90 based on electron-transporting Bepp2 simultaneously as blue emitter and exciplex acceptor. <i>Journal of Luminescence</i> , 2018, 201, 224-230.	3.1	6
48	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. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9811-9820.	5.5	17
49	Highly Efficient Deep-Blue Electroluminescence from a "D" Structure Based Fluorescence Material with Exciton Utilizing Efficiency above 25%. <i>ACS Applied Energy Materials</i> , 2018, 1, 3243-3254.	5.1	23
50	High efficiency and low roll-off green OLEDs with simple structure by utilizing thermally activated delayed fluorescence material as the universal host. <i>Nanophotonics</i> , 2017, 6, 1133-1140.	6.0	28
51	Tetra-carbazole substituted spiro[fluorene-9,9'-xanthene]-based hole-transporting materials with high thermal stability and mobility for efficient OLEDs. <i>Dyes and Pigments</i> , 2017, 139, 764-771.	3.7	33
52	Two novel bipolar compounds based-on 1, 2, 4-triazol derivatives for non-doped deep-blue and green phosphorescent OLED applications. <i>Dyes and Pigments</i> , 2017, 143, 25-32.	3.7	21
53	Bipolar hosts and non-doped deep-blue emitters (CIE <sub>y</sub> = 0.04) based on phenylcarbazole and 2-(2-phenyl-2H-1,2,4-triazol-3-yl)pyridine groups. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4455-4462.	5.5	46
54	Synthesis of short-chain passivated carbon quantum dots as the light emitting layer towards electroluminescence. <i>RSC Advances</i> , 2017, 7, 28754-28762.	3.6	77

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55	Highly efficient thienylquinoline-based phosphorescent iridium(III) complexes for red and white organic light-emitting diodes. <i>Organic Electronics</i> , 2017, 45, 293-301.	2.6	47
56	A novel intramolecular charge transfer blue fluorophor for high color stability hybrid di-chromatic white organic light-emitting diodes. <i>Organic Electronics</i> , 2017, 42, 1-7.	2.6	19
57	Highly Efficient Red and White Organic Light-Emitting Diodes with External Quantum Efficiency beyond 20% by Employing Pyridylimidazole-Based Metallophosphors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 37873-37882.	8.0	65
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. <i>RSC Advances</i> , 2017, 7, 43987-43993.	3.6	7
59	Improved color stability of complementary WOLED with symmetrical doped phosphors in single host: experimental verification and mechanism analysis. <i>RSC Advances</i> , 2017, 7, 33782-33788.	3.6	4
60	Novel phosphorescent neutral iridium(III) complex with the steric hindrance for highly efficient red organic light-emitting diodes. <i>Tetrahedron Letters</i> , 2017, 58, 3598-3601.	1.4	9
61	Manipulation and exploitation of singlet and triplet excitons for hybrid white organic light-emitting diodes with superior efficiency/CRI/color stability. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12474-12482.	5.5	44
62	Low turn-on voltage and low roll-off rare earth europium complex-based organic light-emitting diodes with exciplex as the host. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12182-12188.	5.5	23
63	Ultra-simple white organic light-emitting diodes employing only two complementary colors with color-rendering index beyond 90. <i>RSC Advances</i> , 2017, 7, 49769-49776.	3.6	13
64	A bipolar emitting material for high efficient non-doped fluorescent organic light-emitting diode approaching standard deep blue. <i>Dyes and Pigments</i> , 2016, 129, 34-42.	3.7	33
65	Realization of Ultra-High Color Stable Hybrid White Organic Light-Emitting Diodes via Sequential Symmetrical Doping in Emissive Layer. <i>Science of Advanced Materials</i> , 2016, 8, 401-407.	0.7	10
66	Synthesis of novel s-triazine/carbazole based bipolar molecules and their application in phosphorescent OLEDs. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 6563-6571.	2.2	4
67	Improved light outcoupling of organic light-emitting diodes by randomly embossed nanostructure. <i>Synthetic Metals</i> , 2015, 203, 200-207.	3.9	7
68	Multiple emissive layers white organic light emitting device with nanoplatfoms patterning structure for improved current efficiency and color balance. <i>Synthetic Metals</i> , 2015, 203, 59-67.	3.9	12
69	Extremely high chromatic-stability white organic light-emitting device with symmetrical cascade emissive layer. <i>Organic Electronics</i> , 2015, 23, 199-207.	2.6	21
70	Reduced efficiency roll-off in phosphorescent OLEDs with a stack emitting layer facilitating triplet exciton diffusion. <i>RSC Advances</i> , 2015, 5, 89041-89046.	3.6	5
71	Simplified phosphorescent organic light-emitting devices using heavy doping with an Ir complex as an emitter. <i>RSC Advances</i> , 2015, 5, 4261-4265.	3.6	16
72	A star-shaped bipolar host material based on carbazole and dimesitylboron moieties for fabrication of highly efficient red, green and blue electrophosphorescent devices. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2160-2168.	5.5	25

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73	Two novel indolo[3,2-b]carbazole derivatives containing dimesitylboron moieties: synthesis, photoluminescent and electroluminescent properties. <i>New Journal of Chemistry</i> , 2014, 38, 2368-2378.	2.8	37
74	Energy transfer in polyfluorene copolymer used for white-light organic light emitting device. <i>Organic Electronics</i> , 2013, 14, 827-838.	2.6	40
75	Efficient tandem organic light-emitting device based on photovoltaic-type connector with positive cycle. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	16
76	Novel carbazole- and dioxino[2,3- <i>b</i> ]pyrazine-based bipolar hosts for red PhOLEDs with a high brightness. <i>New Journal of Chemistry</i> , 0, , .	2.8	2