Dongge

List of Publications by Year
in descending order

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30 papers	673 citations	623734 14 h-index	580821 25 g-index
30 all docs	30 docs citations	30 times ranked	692 citing authors

#	Article	IF	Citations
1	Recent advances in high performance blue organic light-emitting diodes based on fluorescence emitters. Journal of Materials Chemistry C, 2020, 8, 2614-2642.	5.5	151
2	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.	7.4	39
3	Structure design and performance of photomultiplication-type organic photodetectors based on an aggregation-induced emission material. Nanoscale, 2020, 12, 2648-2656.	5.6	36
4	The structure optimization of phenanthroimidazole based isomers with external quantum efficiency approaching 7% in non-doped deep-blue OLEDs. Journal of Materials Chemistry C, 2020, 8, 2975-2984.	5.5	35
5	Visible-blind ultraviolet narrowband photomultiplication-type organic photodetector with an ultrahigh external quantum efficiency of over 1â€‰000â€‰000%. Materials Horizons, 2021, 8, 2293-2302.	12.2	34
6	Tetraphenylbenzene-based AIEgens: horizontally oriented emitters for highly efficient non-doped deep blue OLEDs and hosts for high-performance hybrid WOLEDs. Journal of Materials Chemistry C, 2020, 8, 7012-7018.	5.5	32
7	Aggregation-induced emission luminogen with excellent tripletâ€“triplet upconversion efficiency for highly efficient non-doped blue organic light-emitting diodes. Materials Horizons, 2022, 9, 376-382.	12.2	30
8	Highly efficient red thermally activated delayed fluorescence emitters by manipulating the molecular horizontal orientation. Materials Chemistry Frontiers, 2021, 5, 3209-3215.	5.9	28
9	Converting molecular luminescence to ultralong room-temperature phosphorescence via the excited state modulation of sulfone-containing heteroaromatics. Chemical Science, 2021, 12, 14808-14814.	7.4	27
10	Highly efficient deep-blue fluorescent OLEDs based on anthracene derivatives with a tripletâ€“triplet annihilation mechanism. Materials Chemistry Frontiers, 2021, 5, 6978-6986.	5.9	23
11	Aggregation-induced emission polymers for high performance PLEDs with low efficiency roll-off. Materials Chemistry Frontiers, 2020, 4, 1206-1211.	5.9	21
12	Highly efficient fluorescence/phosphorescence hybrid white organic light-emitting devices based on a bipolar blue emitter to precisely control charges and excitons. Journal of Materials Chemistry C, 2020, 8, 7543-7551.	5.5	20
13	Anthracene-based bipolar deep-blue emitters for efficient white OLEDs with ultra-high stabilities of emission color and efficiency. Journal of Materials Chemistry C, 2021, 9, 5198-5205.	5.5	20
14	Role of interfaces in controlling charge accumulation and injection in the photodetection performance of photomultiplication-type organic photodetectors. Journal of Materials Chemistry C, 2020, 8, 9024-9031.	5.5	19
15	Pyrido[2,3-b]pyrazine-based full-color fluoresent materials for high-performance OLEDs. Journal of Materials Chemistry C, 2020, 8, 12445-12449.	5.5	16
16	High efficiency blue and color-stable hybrid warm white organic light-emitting diodes based on a thermally activated delayed fluorescent material as an assistant host. Journal of Materials Chemistry C, 2020, 8, 13777-13785.	5.5	15
17	Low-dimensional phase suppression and defect passivation of quasi-2D perovskites for efficient electroluminescence and low-threshold amplified spontaneous emission. Nanoscale, 2022, 14, 919-929.	5.6	15
18	Simultaneous high efficiency/CRI/spectral stability and low efficiency roll-off hybrid white organic light-emitting diodes via simple insertion of ultrathin red/green phosphorescent emitters in a blue exciplex. Journal of Materials Chemistry C, 2020, 8, 12450-12456.	5.5	12

#	Article	IF	Citations
19	Ultra-smooth and robust graphene-based hybrid anode for high-performance flexible organic light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 2106-2114.	5.5	12
20	High efficiency and low efficiency roll-off all fluorescent white organic light-emitting diodes based on phosphor sensitization. Journal of Materials Chemistry C, 2020, 8, 1666-1672.	5.5	11
21	High-performance white organic light-emitting diodes with doping-free device architecture based on the exciton adjusting interfacial exciplex. Journal of Materials Chemistry C, 2020, 8, 7019-7025.	5.5	11
22	Novel 12,12-dimethyl-7,12-dihydrobenzo[a]acridine as a deep-blue emitting chromophore for OLEDs with narrow-band emission and suppressed efficiency roll-off. Journal of Materials Chemistry C, 2021, 9, 13697-13703.	5.5	11
23	Novel strategy to improve the efficiency roll-off at high luminance and operational lifetime of hybrid white OLEDs via employing an assistant layer with tripletâ€“triplet annihilation up-conversion characteristics. Journal of Materials Chemistry C, 2020, 8, 6577-6586.	5.5	10
24	Boosting the performance of CsPbBr₃-based perovskite light-emitting diodes via constructing nanocomposite emissive layers. Journal of Materials Chemistry C, 2021, 9, 916-924.	5.5	9
25	Highly efficient and low efficiency roll-off organic light-emitting diodes with double-exciplex forming co-hosts. Journal of Materials Chemistry C, 2021, 9, 6062-6067.	5.5	9
26	Highly stable and efficient Î±-phase FA-based perovskite solar cells prepared in ambient air by strategically enhancing the interaction between ions in crystal lattices. Sustainable Energy and Fuels, 2021, 5, 4268-4276.	4.9	8
27	High efficiency and long lifetime fluorescent white organic light-emitting diodes by phosphor sensitization to strategically manage singlet and triplet excitons. Journal of Materials Chemistry C, 2021, 9, 3626-3634.	5.5	7
28	High efficiency, low efficiency roll-off and long lifetime fluorescent white organic light-emitting diodes based on strategic management of triplet excitons via tripletâ€“triplet annihilation up-conversion and phosphor sensitization. Journal of Materials Chemistry C, 2020, 8, 8077-8084.	5.5	5
29	Improvement of exciton utilization by suppressing exciton leakage for high efficiency blue and white organic light-emitting diodes. Journal of Materials Chemistry C, 2022, 10, 8349-8355.	5.5	5
30	Solid experimental evidence for reverse intersystem crossing from high-lying triplet states: A case study on hot exciton mechanism in OLEDs. Applied Physics Letters, 2022, 120, 083501.	3.3	2