

Dongge

List of Publications by Year in descending order

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30
papers

673
citations

623734

14
h-index

580821

25
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times ranked

692
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregation-induced emission luminogen with excellent triplet-triplet upconversion efficiency for highly efficient non-doped blue organic light-emitting diodes. <i>Materials Horizons</i> , 2022, 9, 376-382.	12.2	30
2	Low-dimensional phase suppression and defect passivation of quasi-2D perovskites for efficient electroluminescence and low-threshold amplified spontaneous emission. <i>Nanoscale</i> , 2022, 14, 919-929.	5.6	15
3	Solid experimental evidence for reverse intersystem crossing from high-lying triplet states: A case study on hot exciton mechanism in OLEDs. <i>Applied Physics Letters</i> , 2022, 120, 083501.	3.3	2
4	Highly efficient and stable deep-blue OLEDs based on narrowband emitters featuring an orthogonal spiro-configured indolo[3,2,1-de]acridine structure. <i>Chemical Science</i> , 2022, 13, 5622-5630.	7.4	39
5	Improvement of exciton utilization by suppressing exciton leakage for high efficiency blue and white organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8349-8355.	5.5	5
6	Boosting the performance of CsPbBr ₃ -based perovskite light-emitting diodes via constructing nanocomposite emissive layers. <i>Journal of Materials Chemistry C</i> , 2021, 9, 916-924.	5.5	9
7	Visible-blind ultraviolet narrowband photomultiplication-type organic photodetector with an ultrahigh external quantum efficiency of over 1000%. <i>Materials Horizons</i> , 2021, 8, 2293-2302.	12.2	34
8	Highly efficient and low efficiency roll-off organic light-emitting diodes with double-excimer forming co-hosts. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6062-6067.	5.5	9
9	Anthracene-based bipolar deep-blue emitters for efficient white OLEDs with ultra-high stabilities of emission color and efficiency. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5198-5205.	5.5	20
10	Highly stable and efficient Γ -phase FA-based perovskite solar cells prepared in ambient air by strategically enhancing the interaction between ions in crystal lattices. <i>Sustainable Energy and Fuels</i> , 2021, 5, 4268-4276.	4.9	8
11	High efficiency and long lifetime fluorescent white organic light-emitting diodes by phosphor sensitization to strategically manage singlet and triplet excitons. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3626-3634.	5.5	7
12	Highly efficient deep-blue fluorescent OLEDs based on anthracene derivatives with a triplet-triplet annihilation mechanism. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6978-6986.	5.9	23
13	Highly efficient red thermally activated delayed fluorescence emitters by manipulating the molecular horizontal orientation. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3209-3215.	5.9	28
14	Ultra-smooth and robust graphene-based hybrid anode for high-performance flexible organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2106-2114.	5.5	12
15	Novel 12,12-dimethyl-7,12-dihydrobenzo[<i>a</i>]acridine as a deep-blue emitting chromophore for OLEDs with narrow-band emission and suppressed efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13697-13703.	5.5	11
16	Converting molecular luminescence to ultralong room-temperature phosphorescence via the excited state modulation of sulfone-containing heteroaromatics. <i>Chemical Science</i> , 2021, 12, 14808-14814.	7.4	27
17	High efficiency and low efficiency roll-off all fluorescent white organic light-emitting diodes based on phosphor sensitization. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1666-1672.	5.5	11
18	Structure design and performance of photomultiplication-type organic photodetectors based on an aggregation-induced emission material. <i>Nanoscale</i> , 2020, 12, 2648-2656.	5.6	36

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19	Simultaneous high efficiency/CRI/spectral stability and low efficiency roll-off hybrid white organic light-emitting diodes <i>via</i> simple insertion of ultrathin red/green phosphorescent emitters in a blue exciplex. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12450-12456.	5.5	12
20	Pyrido[2,3- <i>b</i>]pyrazine-based full-color fluorescent materials for high-performance OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12445-12449.	5.5	16
21	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. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13777-13785.	5.5	15
22	High efficiency, low efficiency roll-off and long lifetime fluorescent white organic light-emitting diodes based on strategic management of triplet excitons <i>via</i> triplet-triplet annihilation up-conversion and phosphor sensitization. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8077-8084.	5.5	5
23	Role of interfaces in controlling charge accumulation and injection in the photodetection performance of photomultiplication-type organic photodetectors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9024-9031.	5.5	19
24	Novel strategy to improve the efficiency roll-off at high luminance and operational lifetime of hybrid white OLEDs <i>via</i> employing an assistant layer with triplet-triplet annihilation up-conversion characteristics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6577-6586.	5.5	10
25	Aggregation-induced emission polymers for high performance PLEDs with low efficiency roll-off. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1206-1211.	5.9	21
26	Recent advances in high performance blue organic light-emitting diodes based on fluorescence emitters. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2614-2642.	5.5	151
27	The structure optimization of phenanthroimidazole based isomers with external quantum efficiency approaching 7% in non-doped deep-blue OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2975-2984.	5.5	35
28	Tetraphenylbenzene-based AIEgens: horizontally oriented emitters for highly efficient non-doped deep blue OLEDs and hosts for high-performance hybrid WOLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7012-7018.	5.5	32
29	High-performance white organic light-emitting diodes with doping-free device architecture based on the exciton adjusting interfacial exciplex. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7019-7025.	5.5	11
30	Highly efficient fluorescence/phosphorescence hybrid white organic light-emitting devices based on a bipolar blue emitter to precisely control charges and excitons. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7543-7551.	5.5	20