

Qian Sun

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

289
citations

759233

12
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22
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307
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of efficiency and its roll-off at high brightness in white organic light-emitting diodes by strategically managing triplet excitons in the emission layer. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10793-10803.	5.5	27
2	High-Performance White Organic Light-Emitting Diodes with High Efficiency, Low Efficiency Roll-Off, and Superior Color Stability/Color Rendering Index by Strategic Design of Exciplex Hosts. <i>Advanced Optical Materials</i> , 2019, 7, 1901291.	7.3	22
3	EL Properties and Exciton Dynamics of High-Performance Doping-Free Hybrid WOLEDs Based on 4P-NPD/Bepp 2 Heterojunction as Blue Emitter. <i>Advanced Optical Materials</i> , 2019, 7, 1900703.	7.3	21
4	High efficiency blue/green/yellow/red fluorescent organic light-emitting diodes sensitized by phosphors: general design rules and electroluminescence performance analysis. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11293-11302.	5.5	21
5	Superior Efficiency and Low-Efficiency Roll-Off White Organic Light-Emitting Diodes Based on Multiple Exciplexes as Hosts Matched to Phosphor Emitters. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31078-31086.	8.0	19
6	Precise regulation of the emissive layer for ultra-high performance white organic light-emitting diodes in an exciplex forming co-host system. <i>Materials Chemistry Frontiers</i> , 2019, 3, 640-649.	5.9	17
7	Low color-temperature, high color rendering index hybrid white organic light-emitting diodes by the effective control of exciton recombination zone. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8022-8026.	5.5	16
8	High efficiency color-tunable organic light-emitting diodes with ultra-thin emissive layers in blue phosphor doped exciplex. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	15
9	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
10	High efficiency and long lifetime fluorescent organic light-emitting diodes based on cascaded energy transfer processes to efficiently utilize triplet excitons via sensitizer. <i>Organic Electronics</i> , 2020, 84, 105824.	2.6	15
11	High efficiency organic light-emitting diodes based on HAT-CN/TAPC heterojunction charge generation layer as charge injectors. <i>Semiconductor Science and Technology</i> , 2019, 34, 105010.	2.0	14
12	High efficiency warm white organic light-emitting diodes with precise confinement of charge carriers and excitons in the exciplex host system. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7114-7120.	5.5	12
13	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. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12450-12456.	5.5	12
14	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
15	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
16	Novel strategy to improve the efficiency roll-off at high luminance and operational lifetime of hybrid white OLEDs via 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
17	High efficiency doping-free warm-white organic light-emitting diodes with strategic-tuning of radiative excitons by combining interfacial exciplex with multi-ultrathin emissive layers. <i>Organic Electronics</i> , 2020, 85, 105876.	2.6	7
18	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

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19	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> tripletâ€™triplet annihilation up-conversion and phosphor sensitization. Journal of Materials Chemistry C, 2020, 8, 8077-8084.	5.5	5
20	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
21	Exciton Regulation for Organic Light-Emitting Diodes with Improved Efficiency and Roll-Off by Managing the Bipolar Spacer Layers Based on Interfacial Exciplexes. ACS Applied Electronic Materials, 2022, 4, 3088-3098.	4.3	5
22	High efficiency hybrid white organic light-emitting diodes based on a simple and efficient exciton regulation emissive layer structure. RSC Advances, 2018, 8, 40883-40893.	3.6	2