

A white organic light-emitting diode with ultra-high color efficiency, and extremely low efficiency roll-off

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Modulating dual-wavelength multiple quantum wells in white light emitting diodes to suppress efficiency droop and improve color rendering index. <i>Journal of Applied Physics</i> , 2015, 118, 145702.	1.1	7
2	Dopant effects on charge transport to enhance performance of phosphorescent white organic light emitting diodes. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	8
3	Carrier Modulation Layer-Enhanced Organic Light-Emitting Diodes. <i>Molecules</i> , 2015, 20, 13005-13030.	1.7	40
4	Efficient single-emitting layer hybrid white organic light-emitting diodes with low efficiency roll-off, stable color and extremely high luminance. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 30, 85-91.	2.9	20
5	Harnessing charge and exciton distribution towards extremely high performance: the critical role of guests in single-emitting-layer white OLEDs. <i>Materials Horizons</i> , 2015, 2, 536-544.	6.4	48
6	Fabrication of cyanine dye thin films grown by a layer-by-layer method. <i>Materials Research Express</i> , 2015, 2, 076402.	0.8	4
7	Formulating CdSe quantum dots for white light-emitting diodes with high color rendering index. <i>Journal of Alloys and Compounds</i> , 2015, 647, 837-843.	2.8	24
8	High-performance hybrid white organic light-emitting diodes employing p-type interlayers. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 27, 240-244.	2.9	19
9	Efficient non-doped monochrome and white phosphorescent organic light-emitting diodes based on ultrathin emissive layers. <i>Organic Electronics</i> , 2015, 26, 451-457.	1.4	53
10	An ideal host-guest system to accomplish high-performance greenish yellow and hybrid white organic light-emitting diodes. <i>Organic Electronics</i> , 2015, 27, 29-34.	1.4	28
11	Manipulation of Charge and Exciton Distribution Based on Blue Aggregation-Induced Emission Fluorophors: A Novel Concept to Achieve High-Performance Hybrid White Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2016, 26, 776-783.	7.8	194
12	Efficiency roll-off suppression in organic light-emitting diodes using size-tunable bimetallic bowtie nanoantennas at high current densities. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	9
13	Extremely high-efficiency and ultrasimplified hybrid white organic light-emitting diodes exploiting double multifunctional blue emitting layers. <i>Light: Science and Applications</i> , 2016, 5, e16137-e16137.	7.7	103
14	Management of Singlet and Triplet Excitons: A Universal Approach to High-Efficiency All Fluorescent WOLEDs with Reduced Efficiency Roll-Off Using a Conventional Fluorescent Emitter. <i>Advanced Optical Materials</i> , 2016, 4, 1067-1074.	3.6	84
15	High-Performance Hybrid White Organic Light-Emitting Diodes with Superior Efficiency/Color Rendering Index/Color Stability and Low Efficiency Roll-Off Based on a Blue Thermally Activated Delayed Fluorescent Emitter. <i>Advanced Functional Materials</i> , 2016, 26, 3306-3313.	7.8	154
16	Manipulation of exciton distribution for high-performance fluorescent/phosphorescent hybrid white organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7668-7683.	2.7	95
17	Precise Exciton Allocation for Highly Efficient White Organic Light-Emitting Diodes with Low Efficiency Roll-Off Based on Blue Thermally Activated Delayed Fluorescent Exciplex Emission. <i>Advanced Optical Materials</i> , 2017, 5, 1700415.	3.6	95
18	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.	1.7	13

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19	Strategies to Achieve High-Performance White Organic Light-Emitting Diodes. <i>Materials</i> , 2017, 10, 1378.	1.3	43
20	Efficient co-host exciplex emission for white organic light-emitting diodes. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 119, 276-280.	1.9	1
21	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.	2.7	32
22	Solution-Processed Warm White Organic Light-Emitting Diodes Based on a Blue Thermally Activated Delayed Fluorescence Dendrimer. <i>ChemPlusChem</i> , 2018, 83, 274-278.	1.3	21
23	White Organic Light-Emitting Diodes with Thermally Activated Delayed Fluorescence Emitters. , 0, , .		1
24	Identification of Absorption Bands of Monomers and Aggregates in a Layer of Cyanine Dye and Determination of the Orientation of Molecules. <i>Optics and Spectroscopy (English Translation of) Tj ETQq1 1 0.784014 rgBT /Overlock</i>		
25	Emergence of White Organic Light-Emitting Diodes Based on Thermally Activated Delayed Fluorescence. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 299.	1.3	34
26	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.	2.7	49
27	High light-quality OLEDs with a wet-processed single emissive layer. <i>Scientific Reports</i> , 2018, 8, 7133.	1.6	19
28	Recent Advances of Exciplex-Based White Organic Light-Emitting Diodes. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1449.	1.3	37
29	Device Engineering for All-Inorganic Perovskite Light-Emitting Diodes. <i>Nanomaterials</i> , 2019, 9, 1007.	1.9	31
30	Emergence of Flexible White Organic Light-Emitting Diodes. <i>Polymers</i> , 2019, 11, 384.	2.0	42
31	High Efficiency and Low Roll-Off Hybrid WOLEDs by Using a Deep Blue Aggregation-Induced Emission Material Simultaneously as Blue Emitter and Phosphor Host. <i>Advanced Optical Materials</i> , 2019, 7, 1801539.	3.6	23
32	Recent Developments in Tandem White Organic Light-Emitting Diodes. <i>Molecules</i> , 2019, 24, 151.	1.7	22
33	Doping-Free White Organic Light-Emitting Diodes. <i>Chemical Record</i> , 2019, 19, 1596-1610.	2.9	11
34	White organic light emitting diodes based on localized surface plasmon resonance of Au nanoparticles and neat thermally activated delayed fluorescence and phosphorescence emission layers. <i>Journal of Luminescence</i> , 2020, 220, 117022.	1.5	7
35	Emergence of Impurity-Doped Nanocrystal Light-Emitting Diodes. <i>Nanomaterials</i> , 2020, 10, 1226.	1.9	10
36	Advances in Perovskite Light-Emitting Diodes Possessing Improved Lifetime. <i>Nanomaterials</i> , 2021, 11, 103.	1.9	15

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37	Multiple emission mechanism based four-peak tuning strategy to achieve ultra-high color rendering index and chromatic-stable white organic light emitting diodes. <i>Optical Materials</i> , 2021, 113, 110587.	1.7	2
38	Improving the color-rendering index of a tandem warm white organic light-emitting device by employing a simple fabrication process. <i>Optics Letters</i> , 2019, 44, 931.	1.7	11
39	Green solvent assisted preparation of one-dimensional CsPbBr ₃ nanocrystals with a controllable morphology for cyan-emitting applications. <i>CrystEngComm</i> , 2021, 23, 7805-7812.	1.3	2
40	High CRI RGB Laser Lighting With 11-Gb/s WDM Link Using Off-the-Shelf Phosphor Plate. <i>IEEE Photonics Technology Letters</i> , 2022, 34, 97-100.	1.3	7
41	Ytterbium oxide electron injection interface in organic light-emitting diode. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	3
42	Squaraine Dyes Derived from Indolenine and Benzo[<i>e</i>]indole as Potential Fluorescent Probes for HSA Detection and Antifungal Agents. <i>Photochemistry and Photobiology</i> , 2022, 98, 1402-1417.	1.3	7
43	Approach for Designing Human-Centered and Energy Saving Lighting Luminaires. <i>Photonics</i> , 2022, 9, 726.	0.9	3