List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Coffee-Ring-Free Quantum Dot Thin Film Using Inkjet Printing from a Mixed-Solvent System on Modified ZnO Transport Layer for Light-Emitting Devices. ACS Applied Materials & Interfaces, 2016, 8, 26162-26168.	8.0	219
2	Manipulation of Charge and Exciton Distribution Based on Blue Aggregationâ€Induced Emission Fluorophors: A Novel Concept to Achieve Highâ€Performance Hybrid White Organic Lightâ€Emitting Diodes. Advanced Functional Materials, 2016, 26, 776-783.	14.9	194
3	Efficient Bipolar Blue AlEgens for Highâ€Performance Nondoped Blue OLEDs and Hybrid White OLEDs. Advanced Functional Materials, 2018, 28, 1803369.	14.9	130
4	Manipulation of exciton distribution for high-performance fluorescent/phosphorescent hybrid white organic light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 7668-7683.	5.5	95
5	Record High External Quantum Efficiency of 19.2% Achieved in Lightâ€Emitting Diodes of Colloidal Quantum Wells Enabled by Hotâ€Injection Shell Growth. Advanced Materials, 2020, 32, e1905824.	21.0	95
6	High-performance doping-free hybrid white organic light-emitting diodes: The exploitation of ultrathin emitting nanolayers (<1 nm). Nano Energy, 2016, 26, 26-36.	16.0	88
7	Highly Efficient Green Lightâ€Emitting Diodes from Allâ€Inorganic Perovskite Nanocrystals Enabled by a New Electron Transport Layer. Advanced Optical Materials, 2018, 6, 1800220.	7.3	74
8	High-Performance Blue Molecular Emitter-Free and Doping-Free Hybrid White Organic Light-Emitting Diodes: an Alternative Concept To Manipulate Charges and Excitons Based on Exciplex and Electroplex Emission. ACS Photonics, 2017, 4, 1566-1575.	6.6	73
9	Extremely Simplified, High-Performance, and Doping-Free White Organic Light-Emitting Diodes Based on a Single Thermally Activated Delayed Fluorescent Emitter. ACS Energy Letters, 2018, 3, 1531-1538.	17.4	70
10	High-Performance Doping-Free Hybrid White OLEDs Based on Blue Aggregation-Induced Emission Luminogens. ACS Applied Materials & Interfaces, 2017, 9, 34162-34171.	8.0	66
11	Nanocrystal light-emitting diodes based on type II nanoplatelets. Nano Energy, 2018, 47, 115-122.	16.0	62
12	Improved performance of inverted quantum dots light emitting devices by introducing double hole transport layers. Organic Electronics, 2016, 31, 82-89.	2.6	59
13	Strategies to enhance photocatalytic activity of graphite carbon nitride-based photocatalysts. Materials and Design, 2021, 210, 110040.	7.0	51
14	An efficient multi-functional material based on polyether-substituted indolocarbazole for perovskite solar cells and solution-processed non-doped OLEDs. Journal of Materials Chemistry A, 2019, 7, 1539-1547.	10.3	49
15	Extremely stable-color flexible white organic light-emitting diodes with efficiency exceeding 100 lm W ^{â^'1} . Journal of Materials Chemistry C, 2014, 2, 9836-9841.	5.5	48
16	Harnessing charge and exciton distribution towards extremely high performance: the critical role of guests in single-emitting-layer white OLEDs. Materials Horizons, 2015, 2, 536-544.	12.2	48
17	Solvent-Assisted Surface Engineering for High-Performance All-Inorganic Perovskite Nanocrystal Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 19828-19835.	8.0	45
18	Lightâ€Emitting Diodes with Cuâ€Doped Colloidal Quantum Wells: From Ultrapure Green, Tunable Dualâ€Emission to White Light. Small, 2019, 15, 1901983.	10.0	45

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19	Research Progress on Flexible Oxide-Based Thin Film Transistors. Applied Sciences (Switzerland), 2019, 9, 773.	2.5	44
20	Strategies to Achieve High-Performance White Organic Light-Emitting Diodes. Materials, 2017, 10, 1378.	2.9	43
21	Low-threshold lasing from colloidal CdSe/CdSeTe core/alloyed-crown type-II heteronanoplatelets. Nanoscale, 2018, 10, 9466-9475.	5.6	43
22	Electrically control amplified spontaneous emission in colloidal quantum dots. Science Advances, 2019, 5, eaav3140.	10.3	43
23	Efficient hybrid white organic light-emitting diodes with extremely long lifetime: the effect of n-type interlayer. Scientific Reports, 2014, 4, 7198.	3.3	42
24	Emergence of Flexible White Organic Light-Emitting Diodes. Polymers, 2019, 11, 384.	4.5	42
25	Doping-free white organic light-emitting diodes without blue molecular emitter: An unexplored approach to achieve high performance via exciplex emission. Applied Physics Letters, 2017, 110, .	3.3	39
26	A host–guest system comprising high guest concentration to achieve simplified and high-performance hybrid white organic light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 6359-6366.	5.5	38
27	Regulating Charge and Exciton Distribution in High-Performance Hybrid White Organic Light-Emitting Diodes with n-Type Interlayer Switch. Nano-Micro Letters, 2017, 9, 37.	27.0	37
28	Doping-free tandem white organic light-emitting diodes. Science Bulletin, 2017, 62, 1193-1200.	9.0	37
29	Recent Advances of Exciplex-Based White Organic Light-Emitting Diodes. Applied Sciences (Switzerland), 2018, 8, 1449.	2.5	37
30	Emergence of Nanoplatelet Light-Emitting Diodes. Materials, 2018, 11, 1376.	2.9	37
31	Investigation and optimization of each organic layer: A simple but effective approach towards achieving high-efficiency hybrid white organic light-emitting diodes. Organic Electronics, 2014, 15, 926-936.	2.6	36
32	Very-High Color Rendering Index Hybrid White Organic Light-Emitting Diodes with Double Emitting Nanolayers. Nano-Micro Letters, 2014, 6, 335-339.	27.0	34
33	Emergence of White Organic Light-Emitting Diodes Based on Thermally Activated Delayed Fluorescence. Applied Sciences (Switzerland), 2018, 8, 299.	2.5	34
34	Regulating charges and excitons in simplified hybrid white organic light-emitting diodes: The key role of concentration in single dopant host–guest systems. Organic Electronics, 2014, 15, 2616-2623.	2.6	32
35	High-performance hybrid white organic light-emitting diodes exploiting blue thermally activated delayed fluorescent dyes. Dyes and Pigments, 2017, 147, 83-89.	3.7	32
36	Device Engineering for All-Inorganic Perovskite Light-Emitting Diodes. Nanomaterials, 2019, 9, 1007.	4.1	31

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37	Spectrally Wide-Range-Tunable, Efficient, and Bright Colloidal Light-Emitting Diodes of Quasi-2D Nanoplatelets Enabled by Engineered Alloyed Heterostructures. Chemistry of Materials, 2020, 32, 7874-7883.	6.7	29
38	An ideal host-guest system to accomplish high-performance greenish yellow and hybrid white organic light-emitting diodes. Organic Electronics, 2015, 27, 29-34.	2.6	28
39	Comprehensive Study on the Electron Transport Layer in Blue Flourescent Organic Light-Emitting Diodes. ECS Journal of Solid State Science and Technology, 2013, 2, R258-R261.	1.8	24
40	Simultaneous achievement of low efficiency roll-off and stable color in highly efficient single-emitting-layer phosphorescent white organic light-emitting diodes. Journal of Materials Chemistry C, 2014, 2, 5870-5877.	5.5	23
41	Highly efficient red phosphorescent organic light-emitting diodes based on solution processed emissive layer. Journal of Luminescence, 2013, 142, 35-39.	3.1	22
42	High-Performance Hybrid White Organic Light-Emitting Diodes Comprising Ultrathin Blue and Orange Emissive Layers. Applied Physics Express, 2013, 6, 122101.	2.4	22
43	Recent Developments in Tandem White Organic Light-Emitting Diodes. Molecules, 2019, 24, 151.	3.8	22
44	Blue Molecular Emitter-Free and Doping-Free White Organic Light-Emitting Diodes With High Color Rendering. IEEE Electron Device Letters, 2021, 42, 387-390.	3.9	22
45	High-Performance Deep Red Colloidal Quantum Well Light-Emitting Diodes Enabled by the Understanding of Charge Dynamics. ACS Nano, 2022, 16, 10840-10851.	14.6	21
46	Efficient single-emitting layer hybrid white organic light-emitting diodes with low efficiency roll-off, stable color and extremely high luminance. Journal of Industrial and Engineering Chemistry, 2015, 30, 85-91.	5.8	20
47	High-performance hybrid white organic light-emitting diodes employing p-type interlayers. Journal of Industrial and Engineering Chemistry, 2015, 27, 240-244.	5.8	19
48	Hybrid white organic light emitting diodes with low efficiency roll-off, stable color and extreme brightness. Journal of Luminescence, 2014, 151, 161-164.	3.1	17
49	Investigation on spacers and structures: A simple but effective approach toward high-performance hybrid white organic light emitting diodes. Synthetic Metals, 2013, 184, 5-9.	3.9	16
50	Room-Temperature Fabricated Thin-Film Transistors Based on Compounds with Lanthanum and Main Family Element Boron. Molecules, 2018, 23, 1373.	3.8	15
51	Advances in Perovskite Light-Emitting Diodes Possessing Improved Lifetime. Nanomaterials, 2021, 11, 103.	4.1	15
52	Deepâ€Redâ€Emitting Colloidal Quantum Well Lightâ€Emitting Diodes Enabled through a Complex Design of Core/Crown/Double Shell Heterostructure. Small, 2022, 18, e2106115.	10.0	15
53	Simplified hybrid white organic light-emitting diodes with efficiency/efficiency roll-off/color rendering index/color-stability trade-off. Physica Status Solidi - Rapid Research Letters, 2014, 8, 719-723.	2.4	14
54	The effect of spacer in hybrid white organic light emitting diodes. Science Bulletin, 2014, 59, 3090-3097.	1.7	14

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55	Strategies for Applications of Oxide-Based Thin Film Transistors. Electronics (Switzerland), 2022, 11, 960.	3.1	14
56	Dopingâ€Free White Organic Lightâ€Emitting Diodes. Chemical Record, 2019, 19, 1596-1610.	5.8	11
57	Carbon Dots-Decorated Bi2WO6 in an Inverse Opal Film as a Photoanode for Photoelectrochemical Solar Energy Conversion under Visible-Light Irradiation. Materials, 2019, 12, 1713.	2.9	10
58	Emergence of Impurity-Doped Nanocrystal Light-Emitting Diodes. Nanomaterials, 2020, 10, 1226.	4.1	10
59	Management of electroluminescence from silver-doped colloidal quantum well light-emitting diodes. Cell Reports Physical Science, 2022, 3, 100860.	5.6	10
60	High-Efficiency and High-Luminance Three-Color White Organic Light-Emitting Diodes with Low Efficiency Roll-Off. ECS Journal of Solid State Science and Technology, 2018, 7, R99-R103.	1.8	9
61	Revealing Charge Transport and Device Operations of Organic Ambipolar Transistors and Inverters by Fourâ€Probe Measurement. Advanced Electronic Materials, 2021, 7, 2001134.	5.1	4
62	Understanding the Structure and Energy Transfer Process of Undoped Ultrathin Emitting Nanolayers Within Interface Exciplexes. Frontiers in Chemistry, 2022, 10, 887900.	3.6	4
63	On the Current Saturation of Vertical Transistors With Conductive Network Electrodes. IEEE Transactions on Electron Devices, 2022, 69, 248-253.	3.0	3
64	White Organic Light-Emitting Diodes with Thermally Activated Delayed Fluorescence Emitters. , 0, , .		1
65	Editorial: Advanced Nanomaterials for Light-Emitting Diodes and Solar Cells. Frontiers in Chemistry, 2021, 9, 741760.	3.6	1
66	51.2: Invited Paper: Approaches to achieve highâ€performance colloidal quantum wells lightâ€emitting diodes. Digest of Technical Papers SID International Symposium, 2021, 52, 614-614.	0.3	0