

Shian Ying

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

592
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#	ARTICLE	IF	CITATIONS
1	Realizing External Quantum Efficiency over 25% with Low Efficiency Roll-Off in Polymer-Based Light-Emitting Diodes Synergistically Utilizing Intramolecular Sensitization and Bipolar Thermally Activated Delayed Fluorescence Monomer. <i>CCS Chemistry</i> , 2023, 5, 1005-1017.	7.8	16
2	Efficient exciton regulation for high-performance hybrid white organic light-emitting diodes with superior efficiency/CRI/color stability based on blue aggregation-induced emission fluorophor. <i>Organic Electronics</i> , 2022, 101, 106425.	2.6	2
3	A Promising Multifunctional Deep-Blue Fluorophor for High-Performance Monochromatic and Hybrid White OLEDs with Superior Efficiency/Color Stability and Low Efficiency Roll-Off. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	11
4	Exciton Regulation for Organic Light-Emitting Diodes with Improved Efficiency and Roll-Off by Managing the Bipolar Spacer Layers Based on Interfacial Exciplexes. <i>ACS Applied Electronic Materials</i> , 2022, 4, 3088-3098.	4.3	5
5	A highly efficient violet-blue OLED with Rec.2020 CIE $x/y/z$ based on an orthogonal phenanthroimidazole-substituted 1,2,4-triazole derivative. <i>Journal of Materials Chemistry C</i> , 2022, 10, 9621-9627.	5.5	10
6	Enhanced Upconversion of Triplet Excitons for Conjugated Polymeric Thermally Activated Delayed Fluorescence Emitters by Employing an Intramolecular Sensitization Strategy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 8997-9005.	8.0	14
7	High-Efficiency Solution-Processable OLEDs by Employing Thermally Activated Delayed Fluorescence Emitters with Multiple Conversion Channels of Triplet Excitons. <i>Advanced Science</i> , 2021, 8, e2101326.	11.2	43
8	Exceptionally efficient deep blue anthracene-based luminogens: design, synthesis, photophysical, and electroluminescent mechanisms. <i>Science Bulletin</i> , 2021, 66, 2090-2098.	9.0	15
9	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. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13697-13703.	5.5	11
10	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
11	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
12	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
13	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
14	Novel 9,9-dimethylfluorene-bridged A-type fluorophores with a hybridized local and charge-transfer excited state for deep-blue electroluminescence with CIE $x/y/z$ \approx 0.05. <i>Journal of Materials Chemistry C</i> , 2019, 7, 592-600.	5.5	88
15	Nondoped blue fluorescent organic light-emitting diodes based on benzonitrile-anthracene derivative with 10.06% external quantum efficiency and low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1014-1021.	5.5	74
16	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
17	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
18	High efficiency hybrid white organic light-emitting diodes based on a simple and efficient exciton regulation emissive layer structure. <i>RSC Advances</i> , 2018, 8, 40883-40893.	3.6	2

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19	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
20	New multifunctional aggregation-induced emission fluorophores for reversible piezofluorochromic and nondoped sky-blue organic light-emitting diodes. <i>Dyes and Pigments</i> , 2018, 158, 204-212.	3.7	22
21	High efficiency ($\sim 1/4$ 100 lm W ⁻¹) hybrid WOLEDs by simply introducing ultrathin non-doped phosphorescent emitters in a blue exciplex host. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7070-7076.	5.5	29
22	Unusual mechanohypsochromic luminescence and unique bidirectional thermofluorochromism of long-alkylated simple DPP dyes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5994-5998.	5.5	38
23	Phenothiazin-N-yl-capped 1,4-diketo-3,6-diphenylpyrrolo[3,4-c]pyrrole exhibiting strong two-photon absorption and aggregation-enhanced one- and two-photon excitation red fluorescence. <i>RSC Advances</i> , 2017, 7, 30610-30617.	3.6	8
24	Highly Efficient Nondoped Near-Ultraviolet Electroluminescence with an External Quantum Efficiency Greater Than 6.5% Based on a Carbazole-Triazole Hybrid Molecule with High and Balanced Charge Mobility. <i>Advanced Optical Materials</i> , 2017, 5, 1700747.	7.3	65
25	9-Anthryl-capped DPP-based dyes: aryl spacing induced differential optical properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8006-8013.	5.5	20