Chin-Yiu Chan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1303293/publications.pdf

Version: 2024-02-01

18 papers	1,330 citations	759233 12 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	1216 citing authors

#	Article	IF	Citations
1	Stable pure-blue hyperfluorescence organic light-emitting diodes with high-efficiency and narrow emission. Nature Photonics, 2021, 15, 203-207.	31.4	449
2	Nanosecond-time-scale delayed fluorescence molecule for deep-blue OLEDs with small efficiency rolloff. Nature Communications, 2020, 11, 1765.	12.8	287
3	Rational Molecular Design for Deepâ€Blue Thermally Activated Delayed Fluorescence Emitters. Advanced Functional Materials, 2018, 28, 1706023.	14.9	195
4	Efficient and stable sky-blue delayed fluorescence organic light-emitting diodes with CIEy below 0.4. Nature Communications, 2018, 9, 5036.	12.8	113
5	Investigating HOMO Energy Levels of Terminal Emitters for Realizing Highâ€Brightness and Stable TADFâ€Assisted Fluorescence Organic Lightâ€Emitting Diodes. Advanced Electronic Materials, 2021, 7, 2001090.	5.1	55
6	Enhancing spin-orbital coupling in deep-blue/blue TADF emitters by minimizing the distance from the heteroatoms in donors to acceptors. Chemical Engineering Journal, 2021, 420, 127591.	12.7	47
7	Hole-Transporting Spirothioxanthene Derivatives as Donor Materials for Efficient Small-Molecule-Based Organic Photovoltaic Devices. Chemistry of Materials, 2014, 26, 6585-6594.	6.7	42
8	Bifunctional Heterocyclic Spiro Derivatives for Organic Optoelectronic Devices. ACS Applied Materials & Interfaces, 2016, 8, 24782-24792.	8.0	32
9	Isotope Effect of Host Material on Device Stability of Thermally Activated Delayed Fluorescence Organic Lightâ€Emitting Diodes. Small Science, 2021, 1, 2000057.	9.9	22
10	A new class of three-dimensional, p-type, spirobifluorene-modified perylene diimide derivatives for small molecular-based bulk heterojunction organic photovoltaic devices. Journal of Materials Chemistry C, 2014, 2, 7656.	5.5	18
11	Utilization of Multi-Heterodonors in Thermally Activated Delayed Fluorescence Molecules and Their High Performance Bluish-Green Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2020, 12, 9498-9506.	8.0	18
12	Boron(<scp>iii</scp>) Î²-diketonate-based small molecules for functional non-fullerene polymer solar cells and organic resistive memory devices. Chemical Science, 2020, 11, 11601-11612.	7.4	16
13	A spirofluorene-end-capped bis-stilbene derivative with a low amplified spontaneous emission threshold and balanced hole and electron mobilities. Optical Materials, 2020, 100, 109636.	3.6	8
14	Carbazole-2-carbonitrile as an acceptor in deep-blue thermally activated delayed fluorescence emitters for narrowing charge-transfer emissions. Chemical Science, 2022, 13, 7821-7828.	7.4	8
15	Three-Dimensional Spirothienoquinoline-Based Small Molecules for Organic Photovoltaic and Organic Resistive Memory Applications. ACS Applied Materials & Interfaces, 2020, 12, 11865-11875.	8.0	6
16	High-triplet-energy Bipolar Host Materials Based on Phosphine Oxide Derivatives for Efficient Sky-blue Thermally Activated Delayed Fluorescence Organic Light-emitting Diodes with Reduced Roll-off. Chemistry Letters, 2019, 48, 1225-1228.	1.3	4
17	Spiroconjugated Tetraaminospirenes as Donors in Colorâ€Tunable Chargeâ€Transfer Emitters with Donorâ€Acceptor Structure. Chemistry - A European Journal, 2022, 28, .	3.3	2
18	19â€1: Invited Paper: Stable Pureâ€Blue Hyperfluorescence OLEDs. Digest of Technical Papers SID International Symposium, 2021, 52, 224-227.	0.3	1