Yuyu Pan

List of Publications by Year
in descending order

31	2,558	394421	454955
papers	citations	19	30
		h-index	g-index

31	31	31	1687
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Novel deep-blue hot exciton material for high-efficiency nondoped organic light-emitting diodes. Journal of Materials Chemistry C, 2022, 10, 6596-6602.	5.5	11
2	Tailored Polymeric Hole‐Transporting Materials Inducing High‐Quality Crystallization of Perovskite for Efficient Inverted Photovoltaic Devices. Small, 2022, , 2106632.	10.0	6
3	Theoretical study on the mechanism of hot excitons combined with aggregation-induced emission in efficient red fluorescent molecules. Physical Chemistry Chemical Physics, 2022, 24, 17632-17640.	2.8	5
4	High external quantum efficiency and low efficiency roll-off achieved simultaneously in nondoped pure-blue organic light-emitting diodes based on a hot-exciton fluorescent material. Chemical Engineering Journal, 2021, 408, 127333.	12.7	44
5	High-Efficiency, Non-doped, Pure-Blue Fluorescent Organic Light-Emitting Diodes via Molecular Tuning Regulation of Hot Exciton Excited States. ACS Applied Materials & Interfaces, 2021, 13, 970-980.	8.0	38
6	Narrowband Emission from Organic Fluorescent Emitters with Dominant Low‐Frequency Vibronic Coupling. Advanced Optical Materials, 2021, 9, 2001845.	7.3	98
7	Multiple "Hot exciton" channel molecular design in organic electroluminescence materials: a theoretical investigation. Materials Advances, 2021, 2, 1351-1357.	5.4	12
8	Theoretical study of the formation process of HLCT state in multiple donor–acceptor molecular systems. Computational and Theoretical Chemistry, 2021, 1200, 113247.	2.5	3
9	Pure-Blue Fluorescence Molecule for Nondoped Electroluminescence with External Quantum Efficiency Approaching 13%. CCS Chemistry, 2021, 3, 2557-2568.	7.8	31
10	Nondoped, deep-blue, organic light-emitting diodes with low-efficiency roll-off based on a simple anthracene–triazole hybrid fluorescent molecule. Dyes and Pigments, 2021, 195, 109672.	3.7	3
11	Preparation of Photoresponsive Film via Electrodeposition Approach for Ready‐to‐Use Solar Thermal Fuel Device. Advanced Materials Interfaces, 2020, 7, 2001079.	3.7	6
12	Highly efficient non-doped blue fluorescent OLEDs with low efficiency roll-off based on hybridized local and charge transfer excited state emitters. Chemical Science, 2020, 11, 5058-5065.	7.4	114
13	Novel Strategy for Constructing High Efficiency OLED Emitters with Excited State Quinone‐Conformation Induced Planarization Process. Advanced Optical Materials, 2019, 7, 1900283.	7.3	34
14	Feasible structure-modification strategy for inhibiting aggregation-caused quenching effect and constructing exciton conversion channels in acridone-based emitters. Physical Chemistry Chemical Physics, 2019, 21, 9837-9844.	2.8	20
15	A quinacridone derivative with intensive emission in both solution and the solid state via a facile preparation for cell imaging applications. Journal of Materials Chemistry B, 2019, 7, 3192-3196.	5.8	5
16	Triphenylpyrazine: methyl substitution to achieve deep blue AIE emitters. Journal of Materials Chemistry C, 2019, 7, 13047-13051.	5.5	17
17	A simple D‐π‐A hybrid mode for highly efficient non-doped true blue OLEDs with CIE$_y$ < 0.05 and EQE up to 6%. Journal of Materials Chemistry C, 2018, 6, 11063-11070.	5.5	29
18	Theoretical investigation of the effects of various substituents on the large energy gap between triplet excited-states of anthracene. RSC Advances, 2018, 8, 27979-27987.	3.6	10

#	Article	IF	Citations
19	Theoretical investigation of high-efficiency organic electroluminescent material: HLCT state and hot exciton process. RSC Advances, 2017, 7, 19576-19583.	3.6	48
20	Computational investigation on the large energy gap between the triplet excited-states in acenes. RSC Advances, 2017, 7, 26697-26703.	3.6	26
21	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. Advanced Optical Materials, 2017, 5, 1700747.	7.3	65
22	Hybridization and de-hybridization between the locally-excited (LE) state and the charge-transfer (CT) state: a combined experimental and theoretical study. Physical Chemistry Chemical Physics, 2016, 18, 24176-24184.	2.8	117
23	9-Anthryl-capped DPP-based dyes: aryl spacing induced differential optical properties. Journal of Materials Chemistry C, 2016, 4, 8006-8013.	5.5	20
24	Accurate description of hybridized local and charge-transfer excited-state in donor‐acceptor molecules using density functional theory. RSC Advances, 2016, 6, 108404-108410.	3.6	23
25	Achieving a Significantly Increased Efficiency in Nondoped Pure Blue Fluorescent OLED: A Quasi‐Equivalent Hybridized Excited State. Advanced Functional Materials, 2015, 25, 1755-1762.	14.9	381
26	Employing ∼100% Excitons in OLEDs by Utilizing a Fluorescent Molecule with Hybridized Local and Charge‐Transfer Excited State. Advanced Functional Materials, 2014, 24, 1609-1614.	14.9	527
27	High Yields of Singlet Excitons in Organic Electroluminescence through Two Paths of Cold and Hot Excitons. Advanced Optical Materials, 2014, 2, 510-515.	7.3	216
28	High-efficiency deep blue fluorescent emitters based on phenanthro[9,10-d]imidazole substituted carbazole and their applications in organic light emitting diodes. Organic Electronics, 2014, 15, 2667-2676.	2.6	94
29	A Hybridized Local and Charge‐Transfer Excited State for Highly Efficient Fluorescent OLEDs: Molecular Design, Spectral Character, and Full Exciton Utilization. Advanced Optical Materials, 2014, 2, 892-901.	7.3	357
30	Enhanced proportion of radiative excitons in non-doped electro-fluorescence generated from an imidazole derivative with an orthogonal donor‐acceptor structure. Chemical Communications, 2013, 49, 11302.	4.1	198
31	Donor‐Acceptor Molecule Based High Performance Photothermal Organic Material for Efficient Water‐Electric Cogeneration. Angewandte Chemie, 0, , .	2.0	0