Shitong Zhang

List of Publications by Year
in descending order

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66	6,748	71102	102487
papers	citations	41 h-index	66 g-index

68	68	68	5660
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly efficient blue-emissive electroluminescence: nondestructive color regulation effect of orthogonal cyano-substitution in hybrid locally-excited and charge-transfer (HLCT) backbone emitters. Materials Today Chemistry, 2022, 24, 100785.	3.5	11
2	Achieving full-color emission of Cu nanocluster self-assembly nanosheets by the virtue of halogen effects. Soft Matter, 2021, 17, 4550-4558.	2.7	5
3	Lamellar Organic Light-Emitting Crystals Exhibiting Spectral Gain and 3.6% External Quantum Efficiency in Transistors. , 2021, 3, 428-432.		20
4	Novel Deepâ€Blue Hybridized Local and Chargeâ€Transfer Host Emitter for Highâ€Quality Fluorescence/Phosphor Hybrid Quasiâ€White Organic Lightâ€Emitting Diode. Advanced Functional Materials, 2021, 31, 2100704.	14.9	63
5	A Novel Deep Blue LE-Dominated HLCT Excited State Design Strategy and Material for OLED. Molecules, 2021, 26, 4560.	3.8	22
6	Direct observation of excited state conversion in solid state from a TICT-Type mechanochromic luminogen. Journal of Luminescence, 2021, 237, 118179.	3.1	9
7	Morphologyâ€Dependent Luminescence and Optical Waveguide Property in Largeâ€Size Organic Charge Transfer Cocrystals with Anisotropic Spatial Distribution of Transition Dipole Moment. Advanced Optical Materials, 2020, 8, 1901280.	7.3	34
8	Pressure-Induced Blue-Shifted and Enhanced Emission: A Cooperative Effect between Aggregation-Induced Emission and Energy-Transfer Suppression. Journal of the American Chemical Society, 2020, 142, 1153-1158.	13.7	178
9	Improving the Efficiency of Multilayer Organic Lightâ€Emitting Transistors by Exploring the Hole Blocking Effect. Advanced Materials Interfaces, 2020, 7, 2000657.	3.7	11
10	Highly efficient deep-blue light-emitting material based on V-Shaped donor-acceptor triphenylamine-phenanthro[9,10-d]imidazole molecule. Dyes and Pigments, 2020, 180, 108511.	3.7	31
11	Insight from Molecular Packing: Charge Transfer and Emission Modulation through Cocrystal Strategies. Crystal Growth and Design, 2020, 20, 5203-5210.	3.0	32
12	The origin of the unusual red-shifted aggregation-state emission of triphenylamine-imidazole molecules: excimers or a photochemical reaction?. Materials Chemistry Frontiers, 2020, 4, 1411-1420.	5.9	23
13	Dendrimerâ€Based, Highâ€Luminescence Conjugated Microporous Polymer Films for Highly Sensitive and Selective Volatile Organic Compound Sensor Arrays. Advanced Functional Materials, 2020, 30, 1910275.	14.9	71
14	A single-molecule conformation modulating crystalline polymorph of a physical Ï€â€“Ï€ pyrene dimer: blue and green emissions of a pyrene excimer. Journal of Materials Chemistry C, 2020, 8, 3367-3373.	5.5	46
15	Achieving Highly Efficient Pure Organic Singleâ€Molecule Whiteâ€Light Emitter: The Coenhanced Fluorescence and Phosphorescence Dual Emission by Tailoring Alkoxy Substituents. Advanced Optical Materials, 2020, 8, 1901995.	7.3	54
16	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
17	Enhanced deep-red emission in donor-acceptor molecular architecture: The role of ancillary acceptor of cyanophenyl. Chinese Chemical Letters, 2019, 30, 1947-1950.	9.0	9
18	Investigation on excited-state properties and electroluminescence performance of Donorâ€'Acceptor materials based on quinoxaline derivatives. Organic Electronics, 2019, 75, 105414.	2.6	24

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19	Visualization of Ultrasensitive and Recyclable Dual-Channel Fluorescence Sensors for Chemical Warfare Agents Based on the State Dehybridization of Hybrid Locally Excited and Charge Transfer Materials. Analytical Chemistry, 2019, 91, 10927-10931.	6.5	43
20	One Stimulus In Situ Induces Two Sequential Luminescence Switchings in the Same Solventâ€Fuming Process: Anthracene Excimer as the Intermediate. Advanced Functional Materials, 2019, 29, 1901895.	14.9	46
21	Unusual temperature-sensitive excimer fluorescence from discrete Ï€â€“Ï€ dimer stacking of anthracene in a crystal. Physical Chemistry Chemical Physics, 2019, 21, 14511-14515.	2.8	30
22	Highly Efficient Orange-Red/Red Excimer Fluorescence from Dimeric Ï€â€“Ï€ Stacking of Perylene and Its Nanoparticle Applications. Journal of Physical Chemistry C, 2019, 123, 13047-13056.	3.1	53
23	Modulation of Excited State Property Based on Benzo[a, c]phenazine Acceptor: Three Typical Excited States and Electroluminescence Performance. Frontiers in Chemistry, 2019, 7, 141.	3.6	14
24	Achieving Persistent, Efficient, and Robust Roomâ€Temperature Phosphorescence from Pure Organics for Versatile Applications. Advanced Materials, 2019, 31, e1807222.	21.0	270
25	One-dimensional Ï€â€“Ï€ stacking induces highly efficient pure organic room-temperature phosphorescence and ternary-emission single-molecule white light. Journal of Materials Chemistry C, 2019, 7, 12502-12508.	5.5	81
26	Excimer formation and evolution of excited state properties in discrete dimeric stacking of an anthracene derivative: a computational investigation. Physical Chemistry Chemical Physics, 2018, 20, 12129-12137.	2.8	95
27	Efficient near-infrared emission based on donor-acceptor molecular architecture: The role of ancillary acceptor of cyanophenyl. Dyes and Pigments, 2018, 149, 430-436.	3.7	44
28	Monodisperse Ï€â€“Ï€ Stacking Anthracene Dimer under Pressure: Unique Fluorescence Behaviors and Experimental Determination of Interplanar Distance at Excimer Equilibrium Geometry. Advanced Optical Materials, 2018, 6, 1800085.	7.3	63
29	Single-Electron Oxidation/Alterable C3- and C10-Arylation of 9-MeO-phenanthrene. Organic Letters, 2018, 20, 3591-3595.	4.6	10
30	Enhancing the Electroluminescent Efficiency of Acridine-Based Donorâ€“Acceptor Materials: Quasi-Equivalent Hybridized Local and Charge-Transfer State. Journal of Physical Chemistry C, 2018, 122, 18376-18382.	3.1	45
31	Breaking the Efficiency Limit of Fluorescent OLEDs by Hybridized Local and Charge-Transfer Host Materials. Journal of Physical Chemistry Letters, 2018, 9, 5240-5245.	4.6	66
32	Ternary Emission of Fluorescence and Dual Phosphorescence at Room Temperature: A Singleâ€Molecule White Light Emitter Based on Pure Organic Azaâ€Aromatic Material. Advanced Functional Materials, 2018, 28, 1802407.	14.9	141
33	Photoluminescence: Rehybridization of Nitrogen Atom Induced Photoluminescence Enhancement under Pressure Stimulation (Adv. Funct. Mater. 1/2017). Advanced Functional Materials, 2017, 27, .	14.9	1
34	Pressure Tuning Dual Fluorescence of 4-(N,N-Dimethylamino)benzonitrile. Journal of Physical Chemistry C, 2017, 121, 4909-4916.	3.1	21
35	Enhancing Fluorescence of Naphthalimide Derivatives by Suppressing the Intersystem Crossing. Journal of Physical Chemistry C, 2017, 121, 23218-23223.	3.1	18
36	Discrete face-to-face stacking of anthracene inducing high-efficiency excimer fluorescence in solids via a thermally activated phase transition. Journal of Materials Chemistry C, 2017, 5, 10061-10067.	5.5	80

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37	Isomerization effect of triphenylamine-acridine derivatives on excited-state modification, photophysical property and electroluminescence performance. Dyes and Pigments, 2017, 146, 558-566.	3.7	27
38	Efficient Nearâ€Infrared (NIR) Organic Lightâ€Emitting Diodes Based on Donorâ€“Acceptor Architecture: An Improved Emissive State from Mixing to Hybridization. Advanced Optical Materials, 2017, 5, 1700441.	7.3	71
39	Rehybridization of Nitrogen Atom Induced Photoluminescence Enhancement under Pressure Stimulation. Advanced Functional Materials, 2017, 27, 1602276.	14.9	92
40	Design and Modulation on the Excited State Properties in Organic Electrofluorescence Materials. , 2017, , .		0
41	Porous Organic Polymer Films with Tunable Work Functions and Selective Hole and Electron Flows for Energy Conversions. Angewandte Chemie - International Edition, 2016, 55, 3049-3053.	13.8	121
42	Effect of cyano-substitution in distyrylbenzene derivatives on their fluorescence and electroluminescence properties. Journal of Materials Chemistry C, 2016, 4, 7478-7484.	5.5	40
43	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
44	Excimer-induced high-efficiency fluorescence due to pairwise anthracene stacking in a crystal with long lifetime. Chemical Communications, 2016, 52, 7356-7359.	4.1	164
45	Twist Angle and Rotation Freedom Effects on Luminescent Donorâ€“Acceptor Materials: Crystal Structures, Photophysical Properties, and OLED Application. Advanced Optical Materials, 2016, 4, 2109-2118.	7.3	61
46	Bis(2-(benzo[d]thiazol-2-yl)-5-fluorophenolate)beryllium: a high-performance electron transport material for phosphorescent organic light-emitting devices. RSC Advances, 2016, 6, 5008-5015.	3.6	10
47	Highly Efficient Nondoped Green Organic Light-Emitting Diodes with Combination of High Photoluminescence and High Exciton Utilization. ACS Applied Materials & Interfaces, 2016, 8, 3041-3049.	8.0	126
48	Efficient pyrene-imidazole derivatives for organic light-emitting diodes. RSC Advances, 2016, 6, 17239-17245.	3.6	30
49	Ï€â€Conjugated Microporous Polymer Films: Designed Synthesis, Conducting Properties, and Photoenergy Conversions. Angewandte Chemie - International Edition, 2015, 54, 13594-13598.	13.8	182
50	Investigation from chemical structure to photoluminescent mechanism: a type of carbon dots from the pyrolysis of citric acid and an amine. Journal of Materials Chemistry C, 2015, 3, 5976-5984.	5.5	599
51	Achieving a Significantly Increased Efficiency in Nondoped Pure Blue Fluorescent OLED: A Quasiâ€Equivalent Hybridized Excited State. Advanced Functional Materials, 2015, 25, 1755-1762.	14.9	381
52	Novel PA-doped polybenzimidazole membranes with high doping level, high proton conductivity and high stability for HT-PEMFCs. RSC Advances, 2015, 5, 53870-53873.	3.6	24
53	Highly efficient near ultraviolet organic light-emitting diode based on a meta-linked donorâ€“acceptor molecule. Chemical Science, 2015, 6, 3797-3804.	7.4	245
54	The effect of meta coupling on colour purity, quantum yield, and exciton utilizing efficiency in deep-blue emitters from phenanthroimidazole isomers. Physical Chemistry Chemical Physics, 2015, 17, 31894-31901.	2.8	15

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55	Magnetoâ€Electroluminescence as a Tool to Discern the Origin of Delayed Fluorescence: Reverse Intersystem Crossing or Tripletâ€“Triplet Annihilation?. Advanced Optical Materials, 2014, 2, 142-148.	7.3	70
56	Highly efficient deep blue light emitting devices based on triphenylsilane modified phenanthro[9, 10-d]imidazole. Laser and Photonics Reviews, 2014, 8, L6-L10.	8.7	54
57	Highly Efficient Nearâ€Infrared Organic Lightâ€Emitting Diode Based on a Butterflyâ€Shaped Donorâ€“Acceptor Chromophore with Strong Solidâ€State Fluorescence and a Large Proportion of Radiative Excitons. Angewandte Chemie - International Edition, 2014, 53, 2119-2123.	13.8	604
58	Employing â¼100% Excitons in OLEDs by Utilizing a Fluorescent Molecule with Hybridized Local and Chargeâ€Transfer Excited State. Advanced Functional Materials, 2014, 24, 1609-1614.	14.9	527
59	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
60	Novel violet emitting material synthesized by stepwise chemical reactions. Journal of Materials Chemistry C, 2014, 2, 5019.	5.5	27
61	Highly efficient deep-blue OLED with an extraordinarily narrow FHWM of 35 nm and a y coordinate <0.05 based on a fully twisting donorâ€“acceptor molecule. Journal of Materials Chemistry C, 2014, 2, 4733-4736.	5.5	123
62	Construction of high efficiency non-doped deep blue emitters based on phenanthroimidazole: remarkable substitution effects on the excited state properties and device performance. Physical Chemistry Chemical Physics, 2014, 16, 20772-20779.	2.8	65
63	A Hybridized Local and Chargeâ€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
64	Enhanced proportion of radiative excitons in non-doped electro-fluorescence generated from an imidazole derivative with an orthogonal donorâ€“acceptor structure. Chemical Communications, 2013, 49, 11302.	4.1	198
65	Evidence of the Reverse Intersystem Crossing in Intraâ€Molecular Chargeâ€Transfer Fluorescenceâ€Based Organic Lightâ€Emitting Devices Through Magnetoâ€Electroluminescence Measurements. Advanced Optical Materials, 2013, 1, 362-366.	7.3	84
66	Aromatic S-Heterocycle and Fluorene Derivatives as Solution-Processed Blue Fluorescent Emitters: Structureâ€“Property Relationships for Different Sulfur Oxidation States. Journal of Physical Chemistry C, 2013, 117, 14189-14196.	3.1	47