Di Liu

List of Publications by Year
in descending order

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53	1,795	304743 22	265206 42
papers	citations	h-index	g-index

54	54	54	1911
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A High Tg Carbazole-Based Hole-Transporting Material for Organic Light-Emitting Devices. Chemistry of Materials, 2005, 17, 1208-1212.	6.7	204
2	Highly Efficient Orange and White Organic Lightâ€Emitting Diodes Based on New Orange Iridium Complexes. Advanced Materials, 2011, 23, 2823-2827.	21.0	200
3	Comprehensive Studies on Excited-State Proton Transfer of a Series of 2-(2â€²-Hydroxyphenyl)benzothiazole Derivatives: Synthesis, Optical Properties, and Theoretical Calculations. Journal of Physical Chemistry C, 2015, 119, 4242-4251.	3.1	99
4	A New Family of Isophorone-Based Dopants for Red Organic Electroluminescent Devices. Chemistry of Materials, 2003, 15, 1486-1490.	6.7	88
5	Dendrimers for organic light-emitting diodes. Journal of Materials Chemistry, 2009, 19, 7584.	6.7	86
6	Solution-processable iridium complexes for efficient orange-red and white organic light-emitting diodes. Journal of Materials Chemistry, 2012, 22, 1411-1417.	6.7	69
7	Simple Bipolar Host Materials for High-Efficiency Blue, Green, and White Phosphorescence OLEDs. ACS Applied Materials & Interfaces, 2016, 8, 22382-22391.	8.0	69
8	Homoleptic tris-cyclometalated iridium complexes with 2-phenylbenzothiazole ligands for highly efficient orange OLEDs. Journal of Materials Chemistry, 2011, 21, 15494.	6.7	67
9	Synthesis and Electrophosphorescence of Iridium Complexes Containing Benzothiazole-Based Ligands. ACS Applied Materials & Interfaces, 2013, 5, 4937-4944.	8.0	67
10	Bipolar host materials for high-efficiency blue phosphorescent and delayed-fluorescence OLEDs. Journal of Materials Chemistry C, 2015, 3, 12529-12538.	5.5	66
11	Synergistic Antioxidant Performance of Lignin and Quercetin Mixtures. ACS Sustainable Chemistry and Engineering, 2017, 5, 8424-8428.	6.7	59
12	Deep-blue and white organic light-emitting diodes based on novel fluorene-cored derivatives with naphthylanthracene endcaps. Journal of Materials Chemistry, 2011, 21, 12969.	6.7	58
13	Dual n-type units including pyridine and diphenylphosphine oxide: effective design strategy of host materials for high-performance organic light-emitting diodes. Chemical Science, 2016, 7, 6706-6714.	7.4	50
14	Cyanopyridine Based Bipolar Host Materials for Green Electrophosphorescence with Extremely Low Turn-On Voltages and High Power Efficiencies. ACS Applied Materials & Interfaces, 2016, 8, 21497-21504.	8.0	49
15	Highly Efficient Simple-Structure Sky-Blue Organic Light-Emitting Diode Using a Bicarbazole/Cyanopyridine Bipolar Host. ACS Applied Materials & Interfaces, 2021, 13, 13459-13469.	8.0	36
16	Modulation of n-Type Units in Bipolar Host Materials toward High-Performance Phosphorescent OLEDs. ACS Applied Materials & Interfaces, 2017, 9, 37888-37897.	8.0	32
17	Multifunctional applications of triazine/carbazole hybrid thermally activated delayed fluorescence emitters in organic light emitting diodes. Journal of Materials Chemistry C, 2019, 7, 12470-12481.	5.5	30
18	Quinoxaline and Pyrido[x,yâ€b]pyrazineâ€Based Emitters: Tuning Normal Fluorescence to Thermally Activated Delayed Fluorescence and Emitting Color over the Entire Visibleâ€Light Range. Chemistry - A European Journal, 2019, 25, 10926-10937.	3.3	30

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19	Molecular Engineering of Host Materials for Highâ€Performance Phosphorescent OLEDs: Zigâ€Zag Conformation with 3D Gridding Packing Mode Facilitating Charge Balance and Quench Suppression. Advanced Functional Materials, 2018, 28, 1803193.	14.9	28
20	1,2,4-Triazole-containing bipolar hosts for blue and green phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2016, 4, 7260-7268.	5.5	27
21	Rational Utilization of Intramolecular Hydrogen Bonds to Achieve Blue TADF with EQEs of Nearly 30% and Single Emissive Layer All-TADF WOLED. ACS Applied Materials & Interfaces, 2021, 13, 44615-44627.	8.0	27
22	Acridin-9(10H)-one based thermally activated delayed fluorescence material: simultaneous optimization of RISC and radiation processes to boost luminescence efficiency. Journal of Materials Chemistry C, 2021, 9, 5885-5892.	5.5	27
23	Novel perylene bisimide derivative with fluorinated shell: A multifunctional material for use in optoelectronic devices. Chemical Physics Letters, 2009, 482, 72-76.	2.6	26
24	Novel Ir(ppy)₃ Derivatives: Simple Structure Modification Toward Nearly 30% External Quantum Efficiency in Phosphorescent Organic Lightâ€Emitting Diodes. Advanced Optical Materials, 2016, 4, 864-870.	7.3	25
25	Towards better UV-blocking and antioxidant performance of varnish via additives based on lignin and its colloids. Holzforschung, 2019, 73, 485-491.	1.9	22
26	Effects of Electron Affinity and Steric Hindrance of the Trifluoromethyl Group on the Ïâ€Bridge in Designing Blue Thermally Activated Delayed Fluorescence Emitters. Chemistry - A European Journal, 2020, 26, 6899-6909.	3.3	19
27	Saturated red phosphorescent Iridium(III) complexes containing phenylquinoline ligands for efficient organic light-emitting diodes. Dyes and Pigments, 2020, 179, 108405.	3.7	19
28	A versatile carbazole donor design strategy for blue emission switching from normal fluorescence to thermally activated delayed fluorescence. Dyes and Pigments, 2021, 194, 109581.	3.7	18
29	Versatile Host Materials for Highlyâ€Efficient Green, Red Phosphorescent and White Organic Lightâ€Emitting Diodes. ChemElectroChem, 2019, 6, 5810-5818.	3.4	15
30	A donor design strategy for triazine-carbazole blue thermally activated delayed fluorescence materials. New Journal of Chemistry, 2020, 44, 9743-9753.	2.8	15
31	Mechanism evolution from normal fluorescence to thermally activated delayed fluorescence and color tuning over visible light range: Effect of intramolecular charge transfer strength. Dyes and Pigments, 2020, 183, 108732.	3.7	14
32	Electron-withdrawing bulky group substituted carbazoles for blue TADF emitters: Simultaneous improvement of blue color purity and RISC rate constants. Dyes and Pigments, 2022, 203, 110329.	3.7	14
33	Dicyanopyrazine-Containing Fused Aromatic Molecules: Potential n-Type Materials for Use in Optoelectronic Devices. Synthetic Communications, 2011, 41, 3325-3333.	2.1	13
34	Molecular evolution of host materials by regular tuning of n/p ratio for high-performance phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2018, 6, 7839-7846.	5.5	13
35	Novel yellow thermally activated delayed fluorescence emitters for highly efficient full-TADF WOLEDs with low driving voltages and remarkable color stability. New Journal of Chemistry, 2019, 43, 13339-13348.	2.8	13
36	Cyanopyridine based bipolar host materials for phosphorescent light-emitting diodes with low efficiency roll-off: Importance of charge balance. Dyes and Pigments, 2018, 159, 230-237.	3.7	12

#	Article	IF	Citations
37	Sky-blue iridium complexes with pyrimidine ligands for highly efficient phosphorescent organic light-emitting diodes. New Journal of Chemistry, 2020, 44, 8743-8750.	2.8	12
38	Low-driving-voltage sky-blue phosphorescent organic light-emitting diodes with bicarbazole-bipyridine bipolar host materials. Materials Chemistry Frontiers, 2021, 5, 2867-2876.	5.9	8
39	Low efficiency roll-off thermally activated delayed fluorescence emitters for non-doped OLEDs: Substitution effect of thioether and sulfone groups. Dyes and Pigments, 2021, 194, 109649.	3.7	8
40	Selfâ€Host Thermally Activated Delayed Fluorescence Material with Aggregationâ€Induced Emission Character: Multiâ€Functional Applications in OLEDs. Advanced Optical Materials, 2021, 9, 2100970.	7.3	7
41	Synthesis and electrophosphorescence of novel heteroleptic iridium complexes based on thiazole-containing ligands. RSC Advances, 2016, 6, 34198-34203.	3.6	6
42	Developing deep blue (CIE_y < 0.08) and pure blue (CIE_y < 0.11) OLEDs via molecular engineering of carbazole moiety. New Journal of Chemistry, 2021, 45, 16732-16739.	2.8	6
43	Pure red phosphorescent iridium(iii) complexes containing phenylquinazoline ligands for highly efficient organic light-emitting diodes. New Journal of Chemistry, 2021, 45, 11253-11260.	2.8	6
44	High-triplet-energy host materials containing saturated carbon atom for blue and green phosphorescent OLEDs. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 152-157.	3.9	6
45	Acceptor modulation for blue and yellow TADF materials and fabrication of all-TADF white OLED. Materials Chemistry Frontiers, 2021, 6, 40-51.	5.9	6
46	Organic photovoltaic materials and thin-film solar cells. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2010, 5, 45-60.	0.4	5
47	The excited-state proton transfer mechanism in water-bridged 4-hydroxybenzoate: spectroscopy and DFT/TDDFT studies. RSC Advances, 2014, 4, 27078.	3.6	4
48	Synthesis and Characterization of Novel Perylenediimide-Cored Dendrimer with Fluorinated Shell. Synthetic Communications, 2010, 40, 759-765.	2.1	3
49	Synthesis and Characterization of New Thienopyrazineâ€cored Dendrimer for Nonâ€Doped Organic Red Lightâ€Emitting Diodes. Chinese Journal of Chemistry, 2011, 29, 2655-2658.	4.9	3
50	tert-Butyltriazine-Diphenylaminocarbazole based TADF materials: Ï€-Bridge modification for enhanced kRISC and efficiency stability. Dyes and Pigments, 2022, 204, 110430.	3.7	3
51	New tetrafluorophenylene/carbazole hybrid host materials for phosphorescence organic light-emitting diodes. New Journal of Chemistry, 2018, 42, 15397-15404.	2.8	2
52	Substitution Effect on Luminescence of 5Hâ€Indeno[1,2â€b]pyridinâ€5â€one Based Isomers. ChemistrySelect, 2019, 4, 9754-9761.	1.5	2
53	Bicarbazole-Cyanopyridine Based Bipolar Host Materials for Green and Blue Phosphorescence OLEDs: Influence of Linking Style between P- and N-Type Units. New Journal of Chemistry, 0, , .	2.8	1