

Hong-Tao Cao

List of Publications by Year in descending order

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36
papers

1,000
citations

430874

18
h-index

414414

32
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37
all docs

37
docs citations

37
times ranked

1327
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient exciplex-emission from spiro[fluorene-9,9'-xanthene] derivatives. <i>Dyes and Pigments</i> , 2021, 185, 108894.	3.7	9
2	An eco-friendly nitrate-free method for the synthesis of silver nanowires with reduced diameters. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1874-1879.	5.5	6
3	Tuning stimulated emission properties of oligofluorene-based gain media via non-conjugation strategy. <i>Dyes and Pigments</i> , 2021, 186, 109037.	3.7	4
4	A 9-fluorenyl substitution strategy for aromatic-imide-based TADF emitters towards efficient and stable sky blue OLEDs with nearly 30% external quantum efficiency. <i>Materials Advances</i> , 2021, 2, 4000-4008.	5.4	16
5	Simultaneous and Significant Improvements in Efficiency and Stability of Deep-Blue Organic Light Emitting Diodes through Friedel-Crafts Arylmethylation of a Fluorophore. <i>ChemPhotoChem</i> , 2020, 4, 321-326.	3.0	11
6	Simultaneous and Significant Improvements in Efficiency and Stability of Deep-Blue Organic Light Emitting Diodes through Friedel-Crafts Arylmethylation of a Fluorophore. <i>ChemPhotoChem</i> , 2020, 4, 318-318.	3.0	0
7	Manipulating phosphorescence efficiencies of orange iridium(III) complexes through ancillary ligand control. <i>Dyes and Pigments</i> , 2019, 160, 119-127.	3.7	9
8	An eco-friendly water-assisted polyol method to enhance the aspect ratio of silver nanowires. <i>RSC Advances</i> , 2019, 9, 1933-1938.	3.6	17
9	Tetracyano-substituted spiro[fluorene-9,9'-xanthene] as electron acceptor for exciplex thermally activated delayed fluorescence. <i>Journal of Molecular Structure</i> , 2019, 1196, 132-138.	3.6	8
10	Excellent Charge-Storage Properties of Polystyrene/SFXs Electret Films by Repeated Contact with an AFM Probe. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700611.	1.5	3
11	Novel electron acceptor based on spiro[fluorene-9,9'-xanthene] for exciplex thermally activated delayed fluorescence. <i>Dyes and Pigments</i> , 2018, 149, 422-429.	3.7	19
12	Variable segment roles: modulation of the packing modes, nanocrystal morphologies and optical emissions. <i>Nanoscale</i> , 2018, 10, 13310-13314.	5.6	18
13	Excimer-based white electroluminescence from supramolecular bulk effects of dumbbell-shaped molecules via attractor-repulsor molecular design. <i>Organic Electronics</i> , 2017, 43, 87-95.	2.6	21
14	Progress in fluorene-based wide-bandgap steric semiconductors. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017, 35, 155-170.	3.8	27
15	Selective Introduction of Carbazole and Diphenylamine into Spirofluorenexanthene Core for Different Phosphorescent Hosts. <i>Chinese Journal of Chemistry</i> , 2016, 34, 771-777.	4.9	2
16	Friedel-Crafts arylmethylation: A simple approach to synthesize bipolar host materials for efficient electroluminescence. <i>Organic Electronics</i> , 2016, 38, 370-378.	2.6	10
17	Simultaneous modification of N-alkyl chains on cyclometalated and ancillary ligands of cationic iridium(III) complexes towards efficient piezochromic luminescence properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2341-2349.	5.5	37
18	Efficient piezochromic luminescence from tetraphenylethene functionalized pyridine-azole derivatives exhibiting aggregation-induced emission. <i>Dyes and Pigments</i> , 2015, 119, 62-69.	3.7	23

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19	A sulfur-free iridium(ⁱⁱⁱ) complex for highly selective and multi-signaling mercury(ⁱⁱ)-chemosensors. Dalton Transactions, 2015, 44, 19997-20003.	3.3	17
20	Manipulating efficiencies through modification of N-heterocyclic phenyltriazole ligands for blue iridium(III) complexes. Dyes and Pigments, 2015, 113, 655-663.	3.7	11
21	Modification of iridium(III) complexes for fabrication of high-performance non-doped organic light-emitting diode. Dyes and Pigments, 2015, 112, 8-16.	3.7	32
22	Intramolecular π -Stacking in Cationic Iridium(III) Complexes with Phenyl-Functionalized Cyclometalated Ligands: Synthesis, Structure, Photophysical Properties, and Theoretical Studies. European Journal of Inorganic Chemistry, 2014, 2014, 2376-2382.	2.0	22
23	Efficient greenish-blue phosphorescent iridium(III) complexes containing carbene and triazole chromophores for organic light-emitting diodes. Journal of Organometallic Chemistry, 2014, 753, 55-62.	1.8	20
24	Iridium(III) complexes adopting 1,2-diphenyl-1H-benzimidazole ligands for highly efficient organic light-emitting diodes with low efficiency roll-off and non-doped feature. Journal of Materials Chemistry C, 2014, 2, 2150.	5.5	78
25	A series of coordination compounds containing rigid multi-pyridine based ligands: syntheses, structures and properties. CrystEngComm, 2014, 16, 2754.	2.6	16
26	A cationic iridium(ⁱⁱⁱ) complex with aggregation-induced emission (AIE) properties for highly selective detection of explosives. Chemical Communications, 2014, 50, 6031-6034.	4.1	115
27	Stepwise modulation of the electron-donating strength of ancillary ligands: understanding the AIE mechanism of cationic iridium(ⁱⁱⁱ) complexes. Chemical Communications, 2014, 50, 10986-10989.	4.1	36
28	Effect of alkyl chain length on piezochromic luminescence of iridium(ⁱⁱⁱ)-based phosphors adopting 2-phenyl-1H-benzimidazole type ligands. Journal of Materials Chemistry C, 2014, 2, 7648-7655.	5.5	47
29	Efficient non-doped phosphorescent orange, blue and white organic light-emitting devices. Scientific Reports, 2014, 4, 6754.	3.3	40
30	Influence of alkyl chain lengths on the properties of iridium(III)-based piezochromic luminescent dyes with triazole-pyridine type ancillary ligands. Dyes and Pigments, 2013, 99, 1082-1090.	3.7	22
31	An orange iridium(III) complex with wide-bandwidth in electroluminescence for fabrication of high-quality white organic light-emitting diodes. Journal of Materials Chemistry C, 2013, 1, 7371.	5.5	52
32	Enhancing the luminescence properties and stability of cationic iridium(III) complexes based on phenylbenzimidazole ligand: a combined experimental and theoretical study. Dalton Transactions, 2013, 42, 11056.	3.3	28
33	Controllable synthesis of iridium(III)-based aggregation-induced emission and/or piezochromic luminescence phosphors by simply adjusting the substitution on ancillary ligands. Journal of Materials Chemistry C, 2013, 1, 1440.	5.5	107
34	Reversible piezochromic behavior of two new cationic iridium(III) complexes. Chemical Communications, 2012, 48, 2000.	4.1	93
35	Enhanced quantum efficiency of cationic iridium(III) complexes with carbazole moiety as a steric hindrance unit. Journal of Molecular Structure, 2012, 1026, 59-64.	3.6	9
36	Synthesis, structure and photophysical properties of cationic Ir(III) complexes with functionalized 1,10-phenanthroline ancillary ligands. Journal of Organometallic Chemistry, 2012, 713, 20-26.	1.8	15