Bi-Hai Tong

List of Publications by Year
in descending order

47	1,423	430874	330143
papers	citations	18 h-index	37 g-index

47	47	47	1611
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Aza-triptycene-based homoleptic tris-cyclometalated iridium(III) complexes as highly efficient phosphors in green OLEDs. Dyes and Pigments, 2022, 199, 110075.	3.7	6
2	Conjugated Tetrathiafulvalene Carboxylates for Stable Organic Lithium Batteries. ChemElectroChem, 2022, 9, .	3.4	2
3	Highly efficient solution processed OLEDs based on iridium complexes with steric phenylpyridazine derivative. Inorganica Chimica Acta, 2021, 516, 120100.	2.4	6
4	Preparation and electroluminescent application of iridium(III) complexes containing sulfur-containing phenylpyridazine ligands. Transition Metal Chemistry, 2021, 46, 81-89.	1.4	6
5	A novel method for selective recovery of indium from end-of-life liquid crystal displays by 15-crown-5 ether and its derivatives. Hydrometallurgy, 2021, 202, 105601.	4.3	10
6	The novel synthesis of tris-cyclometalated iridium(III) complexes for saturated red organic light-emitting diodes with low efficiency roll-off. Dyes and Pigments, 2021, 191, 109360.	3.7	4
7	Dinuclear iridium complexes with non-conjugated ditopic bis-terdentate cyclometallating ligands and their electroluminescence properties. Inorganic Chemistry Communication, 2021, 129, 108667.	3.9	2
8	Computational study for the electrophilic reactivity prediction of crown ethers. Journal of Molecular Liquids, 2021, 341, 117418.	4.9	2
9	The one-pot synthesis of homoleptic phenylphthalazine iridium(III) complexes and their application in high efficiency OLEDs. Journal of Luminescence, 2020, 219, 116846.	3.1	10
10	A novel approach for the selective extraction of Li+ from the leaching solution of spent lithium-ion batteries using benzo-15-crown-5 ether as extractant. Separation and Purification Technology, 2020, 237, 116325.	7.9	54
11	High stability and luminance efficiency thieno[2,3-d]pyridazine-based iridium complexes and their applications in high-performance yellow OLEDs. Dalton Transactions, 2020, 49, 13797-13804.	3.3	14
12	Effect of the triptycene scaffold on the photophysical, electrochemical and electroluminescence properties of the iridium(iii) complex. New Journal of Chemistry, 2020, 44, 8587-8594.	2.8	0
13	Interaction and selectivity of 14-crown-4 derivatives with Li+, Na+, and Mg2+ metal ions. Journal of Molecular Modeling, 2020, 26, 67.	1.8	22
14	Blue iridium(III) complexes with high internal quantum efficiency based on 4-(pyridin-3-yl)pyrimidine derivative and their electroluminescent properties. Dyes and Pigments, 2020, 177, 108257.	3.7	9
15	Theoretical and extraction studies on the selectivity of lithium with 14C4 derivatives. New Journal of Chemistry, 2020, 44, 20341-20350.	2.8	9
16	The facile synthesis of homoleptic phenylpyridazine iridium(III) complexes and their application in high efficiency OLEDs. Organic Electronics, 2019, 75, 105439.	2.6	8
17	Density functional theory study of selectivity of crown ethers to Li+ in spent lithium-ion batteries leaching solutions. Chinese Journal of Chemical Physics, 2019, 32, 343-348.	1.3	13
18	Selectivity enhancement of quaternized poly(arylene ether ketone) membranes by ion segregation for vanadium redox flow batteries. Science China Chemistry, 2019, 62, 479-490.	8.2	20

#	Article	IF	Citations
19	The synthesis of di-orthometallated triphenyl phosphite iridium(III) complexes with steric groups and their application in OLEDs. Inorganica Chimica Acta, 2019, 495, 118942.	2.4	3
20	Novel phosphorescent triptycene-based Ir(<scp>iii</scp>) complexes for organic light-emitting diodes. Dalton Transactions, 2019, 48, 16289-16297.	3.3	11
21	Blue-to-green electrophosphorescence from iridium(III) complexes with cyclometalated pyrimidine ligands. Dyes and Pigments, 2018, 150, 284-292.	3.7	20
22	Di-orthometallated triphenyl phosphite iridium complex as a â€˜turn-onâ€™ phosphorescent chemodosimeter probe for silver ions. Inorganic Chemistry Communication, 2018, 98, 62-67.	3.9	7
23	Hydrometallurgical Processes for Recycling Spent Lithium-Ion Batteries: A Critical Review. ACS Sustainable Chemistry and Engineering, 2018, 6, 13611-13627.	6.7	415
24	High efficiency green OLEDs based on homoleptic iridium complexes with steric phenylpyridazine ligands. Dalton Transactions, 2018, 47, 12243-12252.	3.3	23
25	Heteroleptic ruthenium(II)/(III) 2,2â€²-bipyridine/1,10-phenanthroline complexes incorporating bidentate Schiff base N,O-ligands. Journal of Coordination Chemistry, 2017, 70, 1617-1631.	2.2	13
26	Syntheses, crystal structures and phosphorescence properties of cyclometalated iridium(III) bis(pyridylbenzaldehyde) complexes with dithiolate ligands. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 941-946.	0.7	1
27	Bisâ€Tridentate Ir(III) Complexes with Nearly Unitary RGB Phosphorescence and Organic Lightâ€Emitting Diodes with External Quantum Efficiency Exceeding 31%. Advanced Materials, 2016, 28, 2795-2800.	21.0	247
28	High-brightness solution-processed phosphorescent OLEDs with pyrimidine-based iridium(<scp>iii</scp>) complexes. RSC Advances, 2016, 6, 34970-34976.	3.6	18
29	Highly efficient orange phosphorescent organic light-emitting diodes based on an iridium(<scp>iii</scp>) complex with diethyldithiocarbamate (S^S) as the ancillary ligand. RSC Advances, 2016, 6, 64003-64008.	3.6	22
30	A series of selective and sensitive fluorescent sensors based on a thiophen-2-yl-benzothiazole unit for Hg²⁺. New Journal of Chemistry, 2016, 40, 2333-2342.	2.8	35
31	Heteroleptic Ir(<scp>iii</scp>) phosphors with bis-tridentate chelating architecture for high efficiency OLEDs. Journal of Materials Chemistry C, 2015, 3, 3460-3471.	5.5	55
32	Phosphorescent chemosensor for Hg²⁺ based on an iridium(<scp>iii</scp>) complex coordinated with 4-phenylquinazoline and carbazole dithiocarbamate. RSC Advances, 2015, 5, 74924-74931.	3.6	46
33	Phosphorescent iridium(III) carbodithioate complex for the detection of Hg2+ and acetonitrile. Inorganic Chemistry Communication, 2013, 37, 121-126.	3.9	11
34	Highly sensitive colorimetric phosphorescent chemodosimeter for Hg2+ based iridium(III) complex with (Ph2PS)2N auxiliary ligand. Inorganic Chemistry Communication, 2013, 28, 31-36.	3.9	12
35	Bipolar luminescent materials containing pyrimidine terminals: synthesis, photophysical properties and a theoretical study. RSC Advances, 2013, 3, 21877.	3.6	19
36	Highly efficient red iridium(III) complexes based on phthalazine derivatives for organic light-emitting diodes. Dyes and Pigments, 2013, 97, 43-51.	3.7	30

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37	Tuning the Photophysical Properties of Cyclometalated Ir(III) Complexes by a Trifluoroacetyl Group. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2012, 67, 213-218.	0.7	1
38	A New Phosphorescent Cyclometalated Iridium(III) Complex for the Selective Detection of Silver(I) Ion. Journal of Solution Chemistry, 2012, 41, 1600-1609.	1.2	3
39	A highly efficient red electrophosphorescent iridium(iii) complex containing phenyl quinazoline ligand in polymer light-emitting diodes. Journal of Materials Chemistry, 2012, 22, 6878.	6.7	35
40	Phosphorescent chemosensor for Hg2+ and acetonitrile based on iridium(iii) complex. Analyst, The, 2012, 137, 5398.	3.5	23
41	Novel Cyclometalated Iridium(III) Xanthate Complexes and Their Phosphorescence Behavior in the Presence of Metal Ions. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2012, 67, 865-871.	0.7	1
42	Two unusual cyclometalated dimeric Ir(III) complexes: Synthesis, crystal structure and phosphorescent properties. Inorganic Chemistry Communication, 2012, 17, 113-115.	3.9	13
43	Investigation on the Electrochemiluminescence Properties of a Series of Cyclometalated Iridium(III) Complexes Based on 2-Phenylquinoline Derivatives. Acta Chimica Sinica, 2012, 70, 2451.	1.4	6
44	Synthesis, Crystal Structure and Luminescence Properties of a Cyclometalated Ir(III) Complex of 3,4-Diphenylcinnoline. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 511-s518.	0.7	10
45	A highly efficient tris-cyclometalated iridium complex based on phenylphthalazine derivative for organic light-emitting diodes. Organic Electronics, 2009, 10, 618-622.	2.6	29
46	Nearly 100% internal phosphorescence efficiency in a polymer light-emitting diode using a new iridium complex phosphor. Journal of Materials Chemistry, 2008, 18, 1636.	6.7	98
47	Near-infrared luminescent lanthanide (Er, Nd) complexes covalently bonded to a terpyridine-functionalized silica matrix. Photochemical and Photobiological Sciences, 2007, 6, 519.	2.9	19