Ze-Lin Zhu

List of Publications by Year
in descending order

33 papers	1,247 citations	394421 19 h-index	395702 33 g-index
33 all docs	33 docs citations	33 times ranked	942 citing authors

#	Article	IF	Citations
1	Efficient Pyrazolo[5,4â€f]quinoxaline Functionalized Os(II) Based Emitter with an Electroluminescence Peak Maximum at 811â€...nm. Chemistry - A European Journal, 2022, 28, e202103202.	3.3	7
2	Stepwise Access of Emissive Ir(III) Complexes Bearing a Multi-Dentate Heteroaromatic Chelate: Fundamentals and Applications. Inorganic Chemistry, 2022, 61, 4384-4393.	4.0	3
3	Deepâ€Blue OLEDs with Rec.2020 Blue Gamut Compliance and EQE Over 22% Achieved by Conformation Engineering. Advanced Materials, 2022, 34, e2200537.	21.0	46
4	Efficient Blue Electrophosphorescence and Hyperphosphorescence Generated by Bis-tridentate Iridium(III) Complexes. Inorganic Chemistry, 2022, 61, 8898-8908.	4.0	18
5	Anthracene-based fluorescent emitters toward superior-efficiency nondoped TTA-OLEDs with deep blue emission and low efficiency roll-off. Chemical Engineering Journal, 2021, 421, 127748.	12.7	43
6	Constructing deep-blue bis-tridentate Ir(<scp>iii</scp>) phosphors with fluorene-based dianionic chelates. Journal of Materials Chemistry C, 2021, 9, 1318-1325.	5.5	16
7	Revealing the role of 1,2,4-triazolate fragment of blue-emitting bis-tridentate Ir(III) phosphors: photophysical properties, photo-stabilities, and applications. Materials Today Energy, 2021, 20, 100636.	4.7	10
8	High Performance NIR OLEDs with Low Efficiency Rollâ€Off by Leveraging Os(II) Phosphors and Exciplex Coâ€Host. Advanced Functional Materials, 2021, 31, 2102787.	14.9	25
9	Deep-blue high-efficiency triplet-triplet annihilation organic light-emitting diodes using donor- and acceptor-modified anthracene fluorescent emitters. Materials Today Energy, 2021, 21, 100727.	4.7	22
10	Probing Electron Excitation Characters of Carboline-Based Bis-Tridentate Ir(III) Complexes. Molecules, 2021, 26, 6048.	3.8	3
11	Two-Channel Space Charge Transfer-Induced Thermally Activated Delayed Fluorescent Materials for Efficient OLEDs with Low Efficiency Roll-Off. ACS Applied Materials & Interfaces, 2021, 13, 49066-49075.	8.0	17
12	Rational molecular design of bipolar phenanthroimidazole derivatives to realize highly efficient non-doped deep blue electroluminescence with CIEy Ë, 0.06 and EQE approaching 6%. Dyes and Pigments, 2020, 173, 107982.	3.7	16
13	Deepâ€Red/Nearâ€Infrared Electroluminescence from Singleâ€Component Chargeâ€Transfer Complex via Thermally Activated Delayed Fluorescence Channel. Advanced Functional Materials, 2019, 29, 1903112.	14.9	59
14	Chargeâ€Transfer Complexes: Deepâ€Red/Nearâ€Infrared Electroluminescence from Singleâ€Component Chargeâ€Transfer Complex via Thermally Activated Delayed Fluorescence Channel (Adv. Funct. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 T	14.9	2
15	Bipolar Blue Host Emitter with Unity Quantum Yield Allows Full Exciton Radiation in Single-Emissive-Layer Hybrid White Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2019, 11, 11691-11698.	8.0	59
16	A novel Dâ€“Ïâ€“A blue fluorophore based on [1,2,4]triazolo[1,5-a]pyridine as an electron acceptor and its application in organic light-emitting diodes. Materials Chemistry Frontiers, 2019, 3, 1071-1079.	5.9	37
17	De novo design of Dâ€“Ïƒâ€“A molecules as universal hosts for monochrome and white phosphorescent organic light-emitting diodes. Chemical Science, 2018, 9, 4062-4070.	7.4	58
18	A novel spiro-annulated benzimidazole host for highly efficient blue phosphorescent organic light-emitting devices. Chemical Communications, 2018, 54, 4541-4544.	4.1	30

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19	Polyphenylnaphthalene as a Novel Building Block for Highâ€Performance Deepâ€Blue Organic Lightâ€Emitting Devices. Advanced Optical Materials, 2018, 6, 1700855.	7.3	23
20	Tuning electrical properties of phenanthroimidazole derivatives to construct multifunctional deep-blue electroluminescent materials. Journal of Materials Chemistry C, 2018, 6, 3584-3592.	5.5	57
21	Blue-emitting bis-tridentate Ir(<scp>iii</scp>) phosphors: OLED performances vs. substituent effects. Journal of Materials Chemistry C, 2018, 6, 10486-10496.	5.5	20
22	Bisâ€Tridentate Iridium(III) Phosphors with Very High Photostability and Fabrication of Blueâ€Emitting OLEDs. Advanced Science, 2018, 5, 1800846.	11.2	75
23	Ternary Acceptorâ€“Donorâ€“Acceptor Asymmetrical Phenanthroimidazole Molecule for Highly Efficient Nearâ€Ultraviolet Electroluminescence with External Quantum Efficiency (EQE) >4â€‰%. Chemistry - A European Journal, 2018, 24, 15566-15571.	3.3	17
24	Organic Lightâ€Emitting Diodes Based on Imidazole Semiconductors. Advanced Optical Materials, 2018, 6, 1800258.	7.3	110
25	Revealing the new potential of an indandione unit for constructing efficient yellow thermally activated delayed fluorescence emitters with short emissive lifetimes. Journal of Materials Chemistry C, 2018, 6, 7111-7118.	5.5	17
26	Highly Efficient Deep-Blue Electroluminescence from a Charge-Transfer Emitter with Stable Donor Skeleton. ACS Applied Materials & Interfaces, 2017, 9, 7331-7338.	8.0	91
27	Ambipolar Dâ€“A type bifunctional materials with hybridized local and charge-transfer excited state for high performance electroluminescence with EQE of 7.20% and CIEy â‰¥ 0.06. Journal of Materials Chemistry C, 2017, 5, 5402-5410.	5.5	107
28	A high performance deep-blue emitter with an anti-parallel dipole design. Dyes and Pigments, 2017, 146, 219-225.	3.7	17
29	Mechanochromic asymmetric sulfone derivatives for use in efficient blue organic light-emitting diodes. Journal of Materials Chemistry C, 2016, 4, 8787-8794.	5.5	32
30	Removing shortcomings of linear molecules to develop high efficiencies deep-blue organic electroluminescent materials. Organic Electronics, 2016, 38, 323-329.	2.6	25
31	Highâ€Performance Blue OLEDs Based on Phenanthroimidazole Emitters via Substitutions at the C6â€•and C9â€Positions for Improving Exciton Utilization. Chemistry - A European Journal, 2016, 22, 12130-12137.	3.3	68
32	A pyridine based meta-linking deep-blue emitter with high conjugation extent and electroluminescence efficiencies. Journal of Materials Chemistry C, 2016, 4, 6249-6255.	5.5	26
33	Novel Bipolar Phenanthroimidazole Derivative Design for a Nondoped Deepâ€Blue Emitter with High Singlet Exciton Yields. Advanced Optical Materials, 2015, 3, 1215-1219.	7.3	84