

# Ze-Lin Zhu

## List of Publications by Year in descending order

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33  
papers

1,247  
citations

393982

19  
h-index

395343

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g-index

33  
all docs

33  
docs citations

33  
times ranked

942  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Pyrazolo[5,4-f <i>i</i> ]quinoxaline Functionalized Os(II) Based Emitter with an Electroluminescence Peak Maximum at 811 nm. <i>Chemistry - A European Journal</i> , 2022, 28, e202103202.	1.7	7
2	Stepwise Access of Emissive Ir(III) Complexes Bearing a Multi-Dentate Heteroaromatic Chelate: Fundamentals and Applications. <i>Inorganic Chemistry</i> , 2022, 61, 4384-4393.	1.9	3
3	Deep-Blue OLEDs with Rec.2020 Blue Gamut Compliance and EQE Over 22% Achieved by Conformation Engineering. <i>Advanced Materials</i> , 2022, 34, e2200537.	11.1	46
4	Efficient Blue Electrophosphorescence and Hyperphosphorescence Generated by Bis-tridentate Iridium(III) Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 8898-8908.	1.9	18
5	Anthracene-based fluorescent emitters toward superior-efficiency nondoped TTA-OLEDs with deep blue emission and low efficiency roll-off. <i>Chemical Engineering Journal</i> , 2021, 421, 127748.	6.6	43
6	Constructing deep-blue bis-tridentate Ir(III) phosphors with fluorene-based dianionic chelates. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1318-1325.	2.7	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. <i>Materials Today Energy</i> , 2021, 20, 100636.	2.5	10
8	High Performance NIR OLEDs with Low Efficiency Roll-Off by Leveraging Os(II) Phosphors and Exciplex Co-Host. <i>Advanced Functional Materials</i> , 2021, 31, 2102787.	7.8	25
9	Deep-blue high-efficiency triplet-triplet annihilation organic light-emitting diodes using donor- and acceptor-modified anthracene fluorescent emitters. <i>Materials Today Energy</i> , 2021, 21, 100727.	2.5	22
10	Probing Electron Excitation Characters of Carboline-Based Bis-Tridentate Ir(III) Complexes. <i>Molecules</i> , 2021, 26, 6048.	1.7	3
11	Two-Channel Space Charge Transfer-Induced Thermally Activated Delayed Fluorescent Materials for Efficient OLEDs with Low Efficiency Roll-Off. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 49066-49075.	4.0	17
12	Rational molecular design of bipolar phenanthroimidazole derivatives to realize highly efficient non-doped deep blue electroluminescence with CIEy = 0.06 and EQE approaching 6%. <i>Dyes and Pigments</i> , 2020, 173, 107982.	2.0	16
13	Deep-Red/Near-Infrared Electroluminescence from Single-Component Charge-Transfer Complex via Thermally Activated Delayed Fluorescence Channel. <i>Advanced Functional Materials</i> , 2019, 29, 1903112.	7.8	59
14	Charge-Transfer Complexes: Deep-Red/Near-Infrared Electroluminescence from Single-Component Charge-Transfer Complex via Thermally Activated Delayed Fluorescence Channel ( <i>Adv. Funct. Mater.</i> )	7.8	59
15	Bipolar Blue Host Emitter with Unity Quantum Yield Allows Full Exciton Radiation in Single-Emissive-Layer Hybrid White Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 11691-11698.	4.0	59
16	A novel blue fluorophore based on [1,2,4]triazolo[1,5-a]pyridine as an electron acceptor and its application in organic light-emitting diodes. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1071-1079.	3.2	37
17	de novo design of molecules as universal hosts for monochrome and white phosphorescent organic light-emitting diodes. <i>Chemical Science</i> , 2018, 9, 4062-4070.	3.7	58
18	A novel spiro-annulated benzimidazole host for highly efficient blue phosphorescent organic light-emitting devices. <i>Chemical Communications</i> , 2018, 54, 4541-4544.	2.2	30

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19	Polyphenylanthracene as a Novel Building Block for High-Performance Deep-Blue Organic Light-Emitting Devices. <i>Advanced Optical Materials</i> , 2018, 6, 1700855.	3.6	23
20	Tuning electrical properties of phenanthroimidazole derivatives to construct multifunctional deep-blue electroluminescent materials. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3584-3592.	2.7	57
21	Blue-emitting bis-tridentate Ir(III) phosphors: OLED performances vs. substituent effects. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10486-10496.	2.7	20
22	Bis-tridentate Iridium(III) Phosphors with Very High Photostability and Fabrication of Blue-Emitting OLEDs. <i>Advanced Science</i> , 2018, 5, 1800846.	5.6	75
23	Ternary Acceptor-Donor-Acceptor Asymmetrical Phenanthroimidazole Molecule for Highly Efficient Near-Ultraviolet Electroluminescence with External Quantum Efficiency (EQE) >4%. <i>Chemistry - A European Journal</i> , 2018, 24, 15566-15571.	1.7	17
24	Organic Light-Emitting Diodes Based on Imidazole Semiconductors. <i>Advanced Optical Materials</i> , 2018, 6, 1800258.	3.6	110
25	Revealing the new potential of an indandione unit for constructing efficient yellow thermally activated delayed fluorescence emitters with short emissive lifetimes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7111-7118.	2.7	17
26	Highly Efficient Deep-Blue Electroluminescence from a Charge-Transfer Emitter with Stable Donor Skeleton. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 7331-7338.	4.0	91
27	Ambipolar D-A type bifunctional materials with hybridized local and charge-transfer excited state for high performance electroluminescence with EQE of 7.20% and CIEy ≈ 0.06. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5402-5410.	2.7	107
28	A high performance deep-blue emitter with an anti-parallel dipole design. <i>Dyes and Pigments</i> , 2017, 146, 219-225.	2.0	17
29	Mechanochromic asymmetric sulfone derivatives for use in efficient blue organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8787-8794.	2.7	32
30	Removing shortcomings of linear molecules to develop high efficiencies deep-blue organic electroluminescent materials. <i>Organic Electronics</i> , 2016, 38, 323-329.	1.4	25
31	High-Performance Blue OLEDs Based on Phenanthroimidazole Emitters via Substitutions at the C6- and C9-Positions for Improving Exciton Utilization. <i>Chemistry - A European Journal</i> , 2016, 22, 12130-12137.	1.7	68
32	A pyridine based meta-linking deep-blue emitter with high conjugation extent and electroluminescence efficiencies. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6249-6255.	2.7	26
33	Novel Bipolar Phenanthroimidazole Derivative Design for a Nondoped Deep-Blue Emitter with High Singlet Exciton Yields. <i>Advanced Optical Materials</i> , 2015, 3, 1215-1219.	3.6	84