

# Zheng-Guang Wu

## List of Publications by Year in descending order

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61  
papers

2,703  
citations

293460

24  
h-index

214428

50  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular self-induced configuration for improving dissymmetry factors in tetradentate platinum(II) enantiomers cycloaddition. <i>Chinese Chemical Letters</i> , 2022, 33, 1459-1462.	4.8	15
2	Efficient circularly polarized thermally activated delayed fluorescence hetero-[4]helicene with carbonyl-/sulfone-bridged triarylamine structures. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4393-4401.	2.7	14
3	DABCO as a practical catalyst for aromatic halogenation with <i>N</i> -halosuccinimides. <i>RSC Advances</i> , 2022, 12, 7115-7119.	1.7	10
4	Construction of Benzimidazolone Derivatives via Aryl Iodide Catalyzed Intramolecular Oxidative C-H Amination. <i>Journal of Organic Chemistry</i> , 2022, 87, 3234-3241.	1.7	3
5	An efficient approach for 3-haloquinoline synthesis: PhI(OAc) <sub>2</sub> -mediated A <sub>3</sub> -X type tandem annulation of amine, aldehyde, alkyne and halide salt. <i>Tetrahedron Letters</i> , 2022, 101, 153927.	0.7	4
6	Recent Application of Chiral Aryliodine Based on the 2-Iodoresorcinol Core in Asymmetric Catalysis. <i>Synthesis</i> , 2021, 53, 889-903.	1.2	18
7	Design of pyridinylphosphinate-based blue iridium phosphors for high-efficiency organic light-emitting diodes. <i>Dalton Transactions</i> , 2021, 50, 3887-3893.	1.6	7
8	Pyridinylphosphorothioate-based blue iridium(III) complex with double chiral centers for circularly polarized electroluminescence. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5244-5249.	2.7	21
9	Functional two-dimensional black phosphorus nanostructures towards next-generation devices. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12433-12473.	5.2	73
10	Efficient Circularly Polarized Electroluminescence from Chiral Thermally Activated Delayed Fluorescence Emitters Featuring Symmetrical and Rigid Coplanar Acceptors. <i>Advanced Optical Materials</i> , 2021, 9, 2100017.	3.6	46
11	Semitransparent Circularly Polarized Phosphorescent Organic Light-Emitting Diodes with External Quantum Efficiency over 30% and Dissymmetry Factor Close to 10 <sup>2</sup> . <i>Advanced Functional Materials</i> , 2021, 31, 2102898.	7.8	60
12	Redox-active benzimidazolium sulfonamides as cationic thiolating reagents for reductive cross-coupling of organic halides. <i>Chemical Science</i> , 2021, 12, 2509-2514.	3.7	18
13	An Efficient Approach for 3,3-Disubstituted Oxindoles Synthesis: Aryl Iodine Catalyzed Intramolecular C-N Bond Oxidative Cross-Coupling. <i>Organic Letters</i> , 2021, 23, 8750-8754.	2.4	12
14	Construction and Properties of Octahydrobinaphthol-based Chiral Luminescent Materials with Large Steric Hindrance. <i>Acta Chimica Sinica</i> , 2021, 79, 1401.	0.5	13
15	Efficient blue, green and red iridium(III) complexes with noncovalently-linked pyrazole/pyrazolide rings for organic light-emitting diodes. <i>New Journal of Chemistry</i> , 2020, 44, 530-536.	1.4	3
16	Circularly Polarized Thermally Activated Delayed Fluorescence Emitters in Through-Space Charge Transfer on Asymmetric Spiro Skeletons. <i>Journal of the American Chemical Society</i> , 2020, 142, 17756-17765.	6.6	174
17	Axially Chiral Biphenyl Compound-Based Thermally Activated Delayed Fluorescent Materials for High-Performance Circularly Polarized Organic Light-Emitting Diodes. <i>Advanced Science</i> , 2020, 7, 2000804.	5.6	71
18	Alkyl Carbazates for Electrochemical Deoxygenative Functionalization of Heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10859-10863.	7.2	66

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19	Enantiomorphic Perovskite Ferroelectrics with Circularly Polarized Luminescence. <i>Journal of the American Chemical Society</i> , 2020, 142, 4756-4761.	6.6	208
20	Visible-Light-Mediated Click Chemistry for Highly Regioselective Azide-Alkyne Cycloaddition by a Photoredox Electron-Transfer Strategy. <i>Chemistry - A European Journal</i> , 2020, 26, 5694-5700.	1.7	35
21	Alkyl Carbazates for Electrochemical Deoxygenative Functionalization of Heteroarenes. <i>Angewandte Chemie</i> , 2020, 132, 10951-10955.	1.6	14
22	Multicolor Circularly Polarized Photoluminescence and Electroluminescence with 1,2-Diaminocyclohexane Enantiomers. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 23172-23180.	4.0	48
23	Integrated redox-active reagents for photoinduced regio- and stereoselective fluorocarbonylation. <i>Nature Communications</i> , 2020, 11, 2572.	5.8	36
24	Organic Room-Temperature Phosphorescence with Strong Circularly Polarized Luminescence Based on Paracyclophanes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17220-17225.	7.2	97
25	Organic Room-Temperature Phosphorescence with Strong Circularly Polarized Luminescence Based on Paracyclophanes. <i>Angewandte Chemie</i> , 2019, 131, 17380-17385.	1.6	27
26	Green-emitting iridium(III) complexes containing pyridine sulfonic acid as ancillary ligands for efficient OLEDs with extremely low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11606-11611.	2.7	12
27	Syntheses, Crystal Structures, and Photoluminescence of a Series of Iridium(III) Complexes Containing the Pentafluorosulfonyl Group. <i>Organometallics</i> , 2019, 38, 3553-3559.	1.1	17
28	Highly efficient green and red electroluminescence with an extremely low efficiency roll-off based on iridium(III) complexes containing a bis(diphenylphosphorothioyl)amide ancillary ligand. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2570-2576.	2.7	24
29	Fast Synthesis of Iridium(III) Complexes Incorporating a Bis(diphenylphosphorothioyl)amide Ligand for Efficient Pure Green OLEDs. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 7184-7191.	4.0	45
30	Electrochemically Promoted Nickel-Catalyzed Carbon-Sulfur Bond Formation. <i>ACS Catalysis</i> , 2019, 9, 1630-1634.	5.5	114
31	Pure Red Iridium(III) Complexes Possessing Good Electron Mobility with 1,5-Naphthyridin-4-ol Derivatives for High-Performance OLEDs with an EQE over 31%. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 20192-20199.	4.0	37
32	Non-doped and doped circularly polarized organic light-emitting diodes with high performances based on chiral octahydro-binaphthyl delayed fluorescent luminophores. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7045-7052.	2.7	56
33	Chiral Octahydro-Binaphthol Compound-Based Thermally Activated Delayed Fluorescence Materials for Circularly Polarized Electroluminescence with Superior EQE of 32.6% and Extremely Low Efficiency Roll-Off. <i>Advanced Materials</i> , 2019, 31, e1900524.	11.1	198
34	Configurationaly Stable Platinahelicene Enantiomers for Efficient Circularly Polarized Phosphorescent Organic Light-Emitting Diodes. <i>Chemistry - A European Journal</i> , 2019, 25, 5672-5676.	1.7	98
35	Green iridium complexes based on pyrimidine derivatives for efficient electroluminescence with EQE near 30%. <i>Dyes and Pigments</i> , 2019, 160, 863-871.	2.0	12
36	Leaving Group Assisted Strategy for Photoinduced Fluoroalkylations Using <i>N</i> -Hydroxybenzimidoyl Chloride Esters. <i>Angewandte Chemie</i> , 2019, 131, 634-637.	1.6	16

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37	Leaving Group Assisted Strategy for Photoinduced Fluoroalkylations Using <i>N</i> -Hydroxybenzimidoyl Chloride Esters. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 624-627.	7.2	60
38	Efficient electroluminescence of bluish green iridium complexes with 2-(3,5-bis(trifluoromethyl)phenyl)pyrimidine and 2-(3,5-bis(trifluoromethyl)phenyl)-5-fluoropyrimidine as the main ligands. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1545-1552.	3.0	7
39	The Taiji and Eight Trigrams chemistry philosophy of chiral iridium(III) complexes with triplex stereogenic centers. <i>Dalton Transactions</i> , 2018, 47, 4045-4048.	1.6	11
40	Highly efficient bluish green organic light-emitting diodes of iridium(III) complexes with low efficiency roll-off. <i>Dalton Transactions</i> , 2018, 47, 7587-7593.	1.6	15
41	Highly efficient yellow electroluminescence of iridium complexes with good electron mobility. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1284-1290.	3.2	19
42	Efficient green photoluminescence and electroluminescence of iridium complexes with high electron mobility. <i>Dalton Transactions</i> , 2018, 47, 16543-16550.	1.6	10
43	Peripheral Amplification of Multi-Resonance Induced Thermally Activated Delayed Fluorescence for Highly Efficient OLEDs. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11316-11320.	7.2	314
44	Peripheral Amplification of Multi-Resonance Induced Thermally Activated Delayed Fluorescence for Highly Efficient OLEDs. <i>Angewandte Chemie</i> , 2018, 130, 11486-11490.	1.6	77
45	Iridium(III) phosphors with bis(diphenylphosphino)amide ligand for efficient green and sky-blue OLEDs with EQE of nearly 28%. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9010-9016.	2.7	23
46	Efficient bluish green electroluminescence of iridium complexes with good electron mobility. <i>New Journal of Chemistry</i> , 2018, 42, 13351-13357.	1.4	3
47	Rational design of phosphorescent iridium(III) complexes for emission color tunability and their applications in OLEDs. <i>Coordination Chemistry Reviews</i> , 2018, 374, 55-92.	9.5	240
48	Photocatalyzed cascade oxidative annulation of propargylamines and phosphine oxides. <i>Chemical Communications</i> , 2017, 53, 6637-6640.	2.2	33
49	Suppression of efficiency roll-off in highly efficient blue phosphorescent organic light-emitting devices using novel iridium phosphors with good electron mobility. <i>Organic Electronics</i> , 2017, 42, 141-145.	1.4	16
50	Efficient orange-red electroluminescence of iridium complexes with 1-(2,6-bis(trifluoromethyl)pyridin-4-yl)isoquinoline and 4-(2,6-bis(trifluoromethyl)pyridin-4-yl)quinazoline ligands. <i>Dalton Transactions</i> , 2017, 46, 14916-14925.	1.6	19
51	Novel phosphine oxide-based electron-transporting materials for efficient phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8579-8585.	2.7	7
52	Solvent controlled radical cyclization of propargylamines for multi-iodinated quinoline formation. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6901-6904.	1.5	21
53	Synthesis, photoluminescence and electroluminescence of one iridium complex with 2-(2,4-difluorophenyl)-4-(trifluoromethyl)pyrimidine and tetraphenylimidodiphosphinate ligands. <i>Journal of Organometallic Chemistry</i> , 2017, 848, 226-231.	0.8	13
54	Novel Design of Iridium Phosphors with Pyridinylphosphinate Ligands for High-Efficiency Blue Organic Light-emitting Diodes. <i>Scientific Reports</i> , 2016, 6, 38478.	1.6	35

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55	Two Greenâ€Phosphorescent Iridium Complexes with 2â€Phenylpyrimidine Derivatives and Tetraphenylimidodiphosphate for Efficient Organic Lightâ€Emitting Diodes. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2556-2561.	1.0	12
56	Secondary Amine-Mediated Cyclization of Methyl Propiolate with Imines. <i>Chinese Journal of Organic Chemistry</i> , 2016, 36, 1335.	0.6	0
57	Gold(I)-Catalyzed Oriented Assembly of Dihydropyridines. <i>Synlett</i> , 2015, 26, 834-838.	1.0	7
58	A novel atom-economic synthesis of functionalized imidazolidines through copper(I)-catalyzed domino three-component coupling and cyclization reactions. <i>Tetrahedron</i> , 2014, 70, 3134-3140.	1.0	8
59	FeCl <sub>3</sub> -promoted formation of Câ€C bonds: synthesis of substituted quinolines from imines and electron-deficient alkynes. <i>Tetrahedron</i> , 2014, 70, 8971-8975.	1.0	26
60	One-pot synthesis of 1,5-diaza-2,6-cyclooctadiene-3,7-dicarboxylates through a multiple-component reaction. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 387-389.	1.3	0
61	Zn(CF <sub>3</sub> SO <sub>3</sub> ) <sub>2</sub> â€mediated domino hydroamination-ring cleavage of 2,5-dihydrofuran. <i>Tetrahedron Letters</i> , 2013, 54, 3937-3939.	0.7	5