Dongxia Zhu

List of Publications by Year
in descending order

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51 papers	1,954 citations	201674 27 h-index	243625 44 g-index
51 all docs	51 docs citations	51 times ranked	2565 citing authors

#	Article	IF	Citations
1	Dinuclear metal complexes: multifunctional properties and applications. Chemical Society Reviews, 2020, 49, 765-838.	38.1	148
2	Very High Efficiency Orangeâ€Red Lightâ€Emitting Devices with Low Rollâ€Off at High Luminance Based on an Ideal Hostâ€“Guest System Consisting of Two Novel Phosphorescent Iridium Complexes with Bipolar Transport. Advanced Functional Materials, 2014, 24, 7420-7426.	14.9	100
3	Novel Emitting System Based on a Multifunctional Bipolar Phosphor: An Effective Approach for Highly Efficient Warmâ€White Lightâ€Emitting Devices with High Colorâ€Rendering Index at High Luminance. Advanced Materials, 2016, 28, 5963-5968.	21.0	92
4	Tricolor White-Light-Emitting Carbon Dots with Multiple-Cores@Shell Structure for WLED Application. ACS Applied Materials & Interfaces, 2018, 10, 19796-19805.	8.0	88
5	AIE Multinuclear Ir(III) Complexes for Biocompatible Organic Nanoparticles with Highly Enhanced Photodynamic Performance. Advanced Science, 2019, 6, 1802050.	11.2	87
6	Selective sensing of 2,4,6-trinitrophenol (TNP) in aqueous media with â€œaggregation-induced emission enhancementâ€•(AIEE)-active iridium(<scp>iii</scp>) complexes. Chemical Communications, 2018, 54, 1730-1733.	4.1	85
7	Iridium(iii) complexes adopting 1,2-diphenyl-1H-benzoimidazole 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
8	A neutral dinuclear Ir(iii) complex for anti-counterfeiting and data encryption. Chemical Communications, 2017, 53, 3022-3025.	4.1	68
9	New AIE-active dinuclear Ir(<scp>iii</scp>) complexes with reversible piezochromic phosphorescence behaviour. Chemical Communications, 2015, 51, 13036-13039.	4.1	63
10	Ultrafast and Noninvasive Long-Term Bioimaging with Highly Stable Red Aggregation-Induced Emission Nanoparticles. Analytical Chemistry, 2019, 91, 3467-3474.	6.5	62
11	New ionic dinuclear Ir(iii) Schiff base complexes with aggregation-induced phosphorescent emission (AIPE). Chemical Communications, 2014, 50, 6977-6980.	4.1	61
12	Ordered Mesoporous Carbon Paste Electrodes for Electrochemical Sensing and Biosensing. Electroanalysis, 2008, 20, 1128-1134.	2.9	54
13	Efficient Lightâ€Emitting Electrochemical Cells (LECs) Based on Ionic Iridium(III) Complexes with 1,3,4â€Oxadiazole Ligands. Advanced Functional Materials, 2013, 23, 4667-4677.	14.9	53
14	Rational design of iridiumâ€“porphyrin conjugates for novel synergistic photodynamic and photothermal therapy anticancer agents. Chemical Science, 2021, 12, 5918-5925.	7.4	53
15	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
16	Recent advances in oligomers/polymers with unconventional chromophores. Materials Chemistry Frontiers, 2021, 5, 60-75.	5.9	51
17	Rational design and characterization of heteroleptic phosphorescent iridium(<scp>iii</scp>) complexes for highly efficient deep-blue OLEDs. Journal of Materials Chemistry C, 2016, 4, 10246-10252.	5.5	48
18	A controllable and reversible phase transformation between all-inorganic perovskites for white light emitting diodes. Journal of Materials Chemistry C, 2020, 8, 8374-8379.	5.5	48

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19	Thermally Activated Delayed Fluorescence in Cu^I Complexes Originating from Restricted Molecular Vibrations. Chemistry - A European Journal, 2017, 23, 11761-11766.	3.3	45
20	An AIE-active phosphorescent Ir(<scp>iii</scp>) complex with piezochromic luminescence (PCL) and its application for monitoring volatile organic compounds (VOCs). Journal of Materials Chemistry C, 2017, 5, 12189-12193.	5.5	44
21	Anion-specific aggregation induced phosphorescence emission (AIPE) in an ionic iridium complex in aqueous media. Chemical Communications, 2015, 51, 16924-16927.	4.1	43
22	Recent advances in luminescent dinuclear iridium(III) complexes and their application in organic electroluminescent devices. Polyhedron, 2018, 140, 146-157.	2.2	42
23	Polyurethane derivatives for highly sensitive and selective fluorescence detection of 2,4,6-trinitrophenol (TNP). Journal of Materials Chemistry C, 2018, 6, 11287-11291.	5.5	41
24	Bright red aggregation-induced emission nanoparticles for multifunctional applications in cancer therapy. Chemical Science, 2020, 11, 2369-2374.	7.4	40
25	Designed preparation of polyacrylic acid/calcium carbonate nanoparticles with high doxorubicin payload for liver cancer chemotherapy. CrystEngComm, 2015, 17, 4768-4773.	2.6	34
26	Well-dispersed Pt nanoparticles on polydopamine-coated ordered mesoporous carbons and their electrocatalytic application. Talanta, 2014, 120, 304-311.	5.5	32
27	New cationic Ir(<scp>iii</scp>) complexes without â€œany soft substituentsâ€• aggregation-induced emission and piezochromic luminescence. Journal of Materials Chemistry C, 2018, 6, 12217-12223.	5.5	29
28	New oxazoline- and thiazoline-containing heteroleptic iridium(iii) complexes for highly-efficient phosphorescent organic light-emitting devices (PhOLEDs): colour tuning by varying the electroluminescence bandwidth. Journal of Materials Chemistry C, 2013, 1, 6800.	5.5	27
29	Supramolecular oligourethane gel as a highly selective fluorescent â€œonâ€“offâ€“onâ€•sensor for ions. Journal of Materials Chemistry C, 2020, 8, 11540-11545.	5.5	25
30	New Mixedâ€‹C[^]N Ligand Trisâ€‹Cyclometalated Ir^{III} Complexes for Highlyâ€‹Efficient Green Organic Lightâ€‹Emitting Diodes with Low Efficiency Rollâ€‹Off. European Journal of Inorganic Chemistry, 2018, 2018, 4614-4621.	2.0	22
31	Bright mechanoluminescent luminogens even in daylight through close intermolecular interaction with the characteristic of hybridized local and charge transfer (HLCT). Journal of Materials Chemistry C, 2020, 8, 10852-10858.	5.5	22
32	A mechanochromic cyclemetalated cationic Ir(<scp>iii</scp>) complex with AIE activity by strategic modification of ligands. Dalton Transactions, 2020, 49, 13066-13071.	3.3	21
33	Reversible tricolour luminescence switching based on a piezochromic iridium(<scp>iii</scp>) complex. Chemical Communications, 2019, 55, 14582-14585.	4.1	20
34	Supramolecular Oligourethane Gel with Multicolor Luminescence Controlled by Mechanically Sensitive Hydrogen-Bonding. Chemistry of Materials, 2020, 32, 5776-5784.	6.7	20
35	Ligand-Induced Tunable Dual-Color Emission Based on Lead Halide Perovskites for White Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2019, 11, 15898-15904.	8.0	19
36	Color Tuning of Efficient Electroluminescence in the Blue and Green Regions Using Heteroleptic Iridium Complexes with 2-Phenoxyoxazole Ancillary Ligands. Organometallics, 2017, 36, 1810-1821.	2.3	16

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37	Highly convergent modular access to poly-carbon substituted cyclopropanes via Cu(<scp>i</scp>)-catalyzed three-component cyclopropene carboallylation. Organic Chemistry Frontiers, 2019, 6, 3387-3391.	4.5	16
38	Strategic modification of ligands for remarkable piezochromic luminescence (PCL) based on a neutral Ir(<scp>iii</scp>) phosphor. Journal of Materials Chemistry C, 2019, 7, 10876-10880.	5.5	16
39	Near-infrared-emitting AIE multinuclear cationic Ir(<scp>iii</scp>) complex-assembled nanoparticles for photodynamic therapy. Dalton Transactions, 2020, 49, 15332-15338.	3.3	13
40	Blue-emitting thermoreversible oligourethane gelators with aggregation-induced emission properties. Journal of Materials Chemistry C, 2020, 8, 5137-5142.	5.5	13
41	Understanding Mechanochromic Luminescence on Account of Molecular Level Based on Phosphorescent Iridium(III) Complex Isomers. Inorganic Chemistry, 2021, 60, 3741-3748.	4.0	11
42	Cationic dinuclear Ir(III) complexes based on acylhydrazine ligands: Reversible piezochromic luminescence and AIE behaviours. Dyes and Pigments, 2020, 172, 107855.	3.7	9
43	Water-soluble cyclometalated Ir(<scp>iii</scp>) complexes as carrier-free and pure nanoparticle photosensitizers for photodynamic therapy and cell imaging. Dalton Transactions, 2020, 49, 11493-11497.	3.3	9
44	Intramolecular Ï€â€“Ï€ Interactions with a Chiral Auxiliary Ligand Control Diastereoselectivity in a Cyclometalated Ir(III) Complex. Inorganic Chemistry, 2018, 57, 12836-12849.	4.0	8
45	Synthesis, characterization of mechanochromic luminescent-active mono-/dinuclear iridium(III) complexes with near-infrared emission. Journal of Organometallic Chemistry, 2021, 931, 121628.	1.8	7
46	Supramolecular oligourethane gels as light-harvesting antennae: achieving multicolour luminescence and white-light emission through FRET. Journal of Materials Chemistry C, 2021, 9, 13331-13337.	5.5	7
47	Tunable Dual-Color Emission Perovskites via Post-Synthetic Modification Strategy for Near-Unity Photoluminescence Quantum Yield. ACS Applied Materials & Interfaces, 2021, 13, 21645-21652.	8.0	4
48	Ir(III) Complex Dimer Nanoparticles for Photodynamic Therapy. ACS Medicinal Chemistry Letters, 2021, 12, 1374-1379.	2.8	4
49	Inorganic perovskite engineering through incorporation of a carboxylic acid containing ligand for performance enhancement in perovskite light-emitting diodes. Journal of Materials Chemistry C, 2019, 7, 14141-14147.	5.5	2
50	Surface modification strategy based on molecular engineering of an organic cation toward spectrally stable deep-blue emission perovskites. Journal of Materials Chemistry C, 2022, 10, 2067-2072.	5.5	2
51	Electrophosphorescence: Very High Efficiency Orange-Red Light-Emitting Devices with Low Roll-Off at High Luminance Based on an Ideal Host-Guest System Consisting of Two Novel Phosphorescent Iridium		