

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
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all docs

51
docs citations

51
times ranked

2565
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface modification strategy based on molecular engineering of an organic cation toward spectrally stable deep-blue emission perovskites. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2067-2072.	5.5	2
2	Recent advances in oligomers/polymers with unconventional chromophores. <i>Materials Chemistry Frontiers</i> , 2021, 5, 60-75.	5.9	51
3	Synthesis, characterization of mechanochromic luminescent-active mono-/dinuclear iridium(III) complexes with near-infrared emission. <i>Journal of Organometallic Chemistry</i> , 2021, 931, 121628.	1.8	7
4	Rational design of iridium porphyrin conjugates for novel synergistic photodynamic and photothermal therapy anticancer agents. <i>Chemical Science</i> , 2021, 12, 5918-5925.	7.4	53
5	Supramolecular oligourethane gels as light-harvesting antennae: achieving multicolour luminescence and white-light emission through FRET. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13331-13337.	5.5	7
6	Understanding Mechanochromic Luminescence on Account of Molecular Level Based on Phosphorescent Iridium(III) Complex Isomers. <i>Inorganic Chemistry</i> , 2021, 60, 3741-3748.	4.0	11
7	Tunable Dual-Color Emission Perovskites via Post-Synthetic Modification Strategy for Near-Unity Photoluminescence Quantum Yield. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21645-21652.	8.0	4
8	Ir(III) Complex Dimer Nanoparticles for Photodynamic Therapy. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1374-1379.	2.8	4
9	Cationic dinuclear Ir(III) complexes based on acylhydrazine ligands: Reversible piezochromic luminescence and AIE behaviours. <i>Dyes and Pigments</i> , 2020, 172, 107855.	3.7	9
10	Near-infrared-emitting AIE multinuclear cationic Ir(III) complex-assembled nanoparticles for photodynamic therapy. <i>Dalton Transactions</i> , 2020, 49, 15332-15338.	3.3	13
11	Supramolecular oligourethane gel as a highly selective fluorescent "off-on" sensor for ions. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11540-11545.	5.5	25
12	Water-soluble cyclometalated Ir(III) complexes as carrier-free and pure nanoparticle photosensitizers for photodynamic therapy and cell imaging. <i>Dalton Transactions</i> , 2020, 49, 11493-11497.	3.3	9
13	A mechanochromic cyclometalated cationic Ir(III) complex with AIE activity by strategic modification of ligands. <i>Dalton Transactions</i> , 2020, 49, 13066-13071.	3.3	21
14	A controllable and reversible phase transformation between all-inorganic perovskites for white light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8374-8379.	5.5	48
15	Bright mechanoluminescent luminogens even in daylight through close intermolecular interaction with the characteristic of hybridized local and charge transfer (HLCT). <i>Journal of Materials Chemistry C</i> , 2020, 8, 10852-10858.	5.5	22
16	Blue-emitting thermoreversible oligourethane gelators with aggregation-induced emission properties. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5137-5142.	5.5	13
17	Supramolecular Oligourethane Gel with Multicolor Luminescence Controlled by Mechanically Sensitive Hydrogen-Bonding. <i>Chemistry of Materials</i> , 2020, 32, 5776-5784.	6.7	20
18	Dinuclear metal complexes: multifunctional properties and applications. <i>Chemical Society Reviews</i> , 2020, 49, 765-838.	38.1	148

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19	Bright red aggregation-induced emission nanoparticles for multifunctional applications in cancer therapy. <i>Chemical Science</i> , 2020, 11, 2369-2374.	7.4	40
20	Highly convergent modular access to poly-carbon substituted cyclopropanes <i>via</i> Cu(<i>sc</i>) <i>i</i> -catalyzed three-component cyclopropene carboallylation. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3387-3391.	4.5	16
21	Strategic modification of ligands for remarkable piezochromic luminescence (PCL) based on a neutral Ir(<i>sc</i>) <i>iii</i> phosphor. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10876-10880.	5.5	16
22	Ultrafast and Noninvasive Long-Term Bioimaging with Highly Stable Red Aggregation-Induced Emission Nanoparticles. <i>Analytical Chemistry</i> , 2019, 91, 3467-3474.	6.5	62
23	AIE Multinuclear Ir(III) Complexes for Biocompatible Organic Nanoparticles with Highly Enhanced Photodynamic Performance. <i>Advanced Science</i> , 2019, 6, 1802050.	11.2	87
24	Ligand-Induced Tunable Dual-Color Emission Based on Lead Halide Perovskites for White Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15898-15904.	8.0	19
25	Inorganic perovskite engineering through incorporation of a carboxylic acid containing ligand for performance enhancement in perovskite light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14141-14147.	5.5	2
26	Reversible tricolour luminescence switching based on a piezochromic iridium(<i>sc</i>) <i>iii</i> complex. <i>Chemical Communications</i> , 2019, 55, 14582-14585.	4.1	20
27	Selective sensing of 2,4,6-trinitrophenol (TNP) in aqueous media with aggregation-induced emission enhancement (AIE)-active iridium(<i>sc</i>) <i>iii</i> complexes. <i>Chemical Communications</i> , 2018, 54, 1730-1733.	4.1	85
28	Recent advances in luminescent dinuclear iridium(III) complexes and their application in organic electroluminescent devices. <i>Polyhedron</i> , 2018, 140, 146-157.	2.2	42
29	Polyurethane derivatives for highly sensitive and selective fluorescence detection of 2,4,6-trinitrophenol (TNP). <i>Journal of Materials Chemistry C</i> , 2018, 6, 11287-11291.	5.5	41
30	New cationic Ir(<i>sc</i>) <i>iii</i> complexes without any soft substituents aggregation-induced emission and piezochromic luminescence. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12217-12223.	5.5	29
31	New Mixed C ^N Ligand Tris-Cyclometalated Ir ^{III} Complexes for Highly Efficient Green Organic Light-Emitting Diodes with Low Efficiency Roll-Off. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4614-4621.	2.0	22
32	Intramolecular H-H Interactions with a Chiral Auxiliary Ligand Control Diastereoselectivity in a Cyclometalated Ir(III) Complex. <i>Inorganic Chemistry</i> , 2018, 57, 12836-12849.	4.0	8
33	Tricolor White-Light-Emitting Carbon Dots with Multiple-Cores@Shell Structure for WLED Application. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19796-19805.	8.0	88
34	A neutral dinuclear Ir(III) complex for anti-counterfeiting and data encryption. <i>Chemical Communications</i> , 2017, 53, 3022-3025.	4.1	68
35	Color Tuning of Efficient Electroluminescence in the Blue and Green Regions Using Heteroleptic Iridium Complexes with 2-Phenoxyoxazole Ancillary Ligands. <i>Organometallics</i> , 2017, 36, 1810-1821.	2.3	16
36	Thermally Activated Delayed Fluorescence in Cu ^I Complexes Originating from Restricted Molecular Vibrations. <i>Chemistry - A European Journal</i> , 2017, 23, 11761-11766.	3.3	45

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37	An AIE-active phosphorescent Ir(III) complex with piezochromic luminescence (PCL) and its application for monitoring volatile organic compounds (VOCs). <i>Journal of Materials Chemistry C</i> , 2017, 5, 12189-12193.	5.5	44
38	Rational design and characterization of heteroleptic phosphorescent iridium(III) complexes for highly efficient deep-blue OLEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10246-10252.	5.5	48
39	Novel Emitting System Based on a Multifunctional Bipolar Phosphor: An Effective Approach for Highly Efficient Warm-White Light-Emitting Devices with High Color-Rendering Index at High Luminance. <i>Advanced Materials</i> , 2016, 28, 5963-5968.	21.0	92
40	Designed preparation of polyacrylic acid/calcium carbonate nanoparticles with high doxorubicin payload for liver cancer chemotherapy. <i>CrystEngComm</i> , 2015, 17, 4768-4773.	2.6	34
41	New AIE-active dinuclear Ir(III) complexes with reversible piezochromic phosphorescence behaviour. <i>Chemical Communications</i> , 2015, 51, 13036-13039.	4.1	63
42	Anion-specific aggregation induced phosphorescence emission (AIPE) in an ionic iridium complex in aqueous media. <i>Chemical Communications</i> , 2015, 51, 16924-16927.	4.1	43
43	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 Complexes with Bipolar Transport. <i>Advanced Functional Materials</i> , 2014, 24, 7420-7426.	14.9	100
44	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		