

Zhipeng Liu

List of Publications by Year in descending order

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64
papers

3,693
citations

136950

32
h-index

128289

60
g-index

67
all docs

67
docs citations

67
times ranked

4094
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal coordination in photoluminescent sensing. <i>Chemical Society Reviews</i> , 2013, 42, 1568.	38.1	702
2	A highly sensitive ratiometric fluorescent probe for Cd ²⁺ detection in aqueous solution and living cells. <i>Chemical Communications</i> , 2010, 46, 6138.	4.1	165
3	J-aggregates of meso-[2.2]paracyclophanyl-BODIPY dye for NIR-II imaging. <i>Nature Communications</i> , 2021, 12, 2376.	12.8	145
4	Rational Design of a Dual Chemosensor for Cyanide Anion Sensing Based on Dicyanovinyl-Substituted Benzofurazan. <i>Journal of Organic Chemistry</i> , 2011, 76, 10286-10290.	3.2	134
5	Design and Synthesis of a Ratiometric Fluorescent Chemosensor for Cu(II) with a Fluorophore Hybridization Approach. <i>Organic Letters</i> , 2012, 14, 4378-4381.	4.6	129
6	A Borondifluoride-Complex-Based Photothermal Agent with an 80% Photothermal Conversion Efficiency for Photothermal Therapy in the NIR Window. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22376-22384.	13.8	128
7	Recent Progress of BODIPY Dyes With Aggregation-Induced Emission. <i>Frontiers in Chemistry</i> , 2019, 7, 712.	3.6	125
8	A Zn ²⁺ Fluorescent Sensor Derived from 2-(Pyridin-2-yl)benzimidazole with Ratiometric Sensing Potential. <i>Organic Letters</i> , 2009, 11, 795-798.	4.6	118
9	Novel aza-BODIPY based small molecular NIR-II fluorophores for <i>in vivo</i> imaging. <i>Chemical Communications</i> , 2019, 55, 10920-10923.	4.1	113
10	Piezochromic luminescence behaviors of two new benzothiazole-enamido boron difluoride complexes: intra- and inter-molecular effects induced by hydrostatic compression. <i>Chemical Communications</i> , 2015, 51, 7497-7500.	4.1	105
11	Domino-like multi-emissions across red and near infrared from solid-state 2-/2,6-aryl substituted BODIPY dyes. <i>Nature Communications</i> , 2018, 9, 2688.	12.8	85
12	Benzothiazole-enamide-based BF ₂ complexes: luminophores exhibiting aggregation-induced emission, tunable emission and highly efficient solid-state emission. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2953-2959.	5.5	81
13	Ultrafast Detection of Peroxynitrite in Parkinson's Disease Models Using a Near-Infrared Fluorescent Probe. <i>Analytical Chemistry</i> , 2020, 92, 4038-4045.	6.5	81
14	An excitation ratiometric Zn ²⁺ sensor with mitochondria-targetability for monitoring of mitochondrial Zn ²⁺ release upon different stimulations. <i>Chemical Communications</i> , 2012, 48, 8365.	4.1	77
15	A new ratiometric and colorimetric chemosensor for cyanide anion based on Coumarin-hemicyanine hybrid. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5073.	2.8	75
16	Boron-pyridyl-imino-isoindoline dyes: facile synthesis and photophysical properties. <i>Chemical Communications</i> , 2014, 50, 1074-1076.	4.1	72
17	Rational Design of Axially Chiral Platinabinaphthalenes with Aggregation-Induced Emission for Red Circularly Polarized Phosphorescent Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9520-9527.	8.0	70
18	Aggregation-induced emission (AIE) of pyridyl-enamido-based organoboron luminophores. <i>Chemical Communications</i> , 2015, 51, 784-787.	4.1	68

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19	In vitro and in vivo imaging application of a 1,8-naphthalimide-derived Zn ²⁺ fluorescent sensor with nuclear envelope penetrability. <i>Chemical Communications</i> , 2013, 49, 11430.	4.1	62
20	Signal-Enhanced Detection of Multiplexed Cardiac Biomarkers by a Paper-Based Fluorogenic Immunodevice Integrated with Zinc Oxide Nanowires. <i>Analytical Chemistry</i> , 2019, 91, 9300-9307.	6.5	60
21	Synthesis of a ratiometric fluorescent peptide sensor for the highly selective detection of Cd ²⁺ . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 4014-4017.	2.2	59
22	Coumarin-hydrazone based high selective fluorescence sensor for copper(II) detection in aqueous solution. <i>Inorganic Chemistry Communication</i> , 2013, 34, 8-11.	3.9	53
23	A charge transfer type pH responsive fluorescent probe and its intracellular application. <i>New Journal of Chemistry</i> , 2010, 34, 656.	2.8	46
24	High solid-state luminescence in propeller-shaped AIE-active pyridine- α -ketoiminate-boron complexes. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5775-5782.	2.8	46
25	New AIE-active pyrimidine-based boronfluoride complexes with high solid-state emission and reversible mechanochromism luminescence behavior. <i>Dalton Transactions</i> , 2016, 45, 7278-7284.	3.3	46
26	Paper-based fluorescent immunoassay for highly sensitive and selective detection of norfloxacin in milk at picogram level. <i>Talanta</i> , 2019, 195, 333-338.	5.5	46
27	In vivo ratiometric Zn ²⁺ imaging in zebrafish larvae using a new visible light excitable fluorescent sensor. <i>Chemical Communications</i> , 2014, 50, 1253-1255.	4.1	44
28	Reversible DNA Condensation Induced by a Tetranuclear Nickel(II) Complex. <i>Chemistry - A European Journal</i> , 2010, 16, 14181-14189.	3.3	41
29	Solvatochromism, acidochromism and aggregation-induced emission of propeller-shaped spiroborates. <i>Dalton Transactions</i> , 2018, 47, 15002-15008.	3.3	41
30	Rational construction of a reversible arylazo-based NIR probe for cycling hypoxia imaging in vivo. <i>Nature Communications</i> , 2021, 12, 2772.	12.8	37
31	Visualizing hydrogen peroxide in Parkinson's disease models via a ratiometric NIR fluorogenic probe. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 38-43.	7.8	36
32	Synthesis and fluorescence properties of isoindoline- α -benzazole-based boron difluoride complexes. <i>New Journal of Chemistry</i> , 2014, 38, 1277.	2.8	33
33	AIE-active organoboron complexes with highly efficient solid-state luminescence and their application as gas sensitive materials. <i>Dalton Transactions</i> , 2015, 44, 14063-14070.	3.3	33
34	Chiral Nematic Coatings Based on Cellulose Nanocrystals as a Multiplexing Platform for Humidity Sensing and Dual Anticounterfeiting. <i>Small</i> , 2021, 17, e2103936.	10.0	32
35	Aggregation-amplified circularly polarized luminescence from axial chiral boron difluoride complexes. <i>Science China Chemistry</i> , 2019, 62, 355-362.	8.2	31
36	Phosphorescence Lifetime Imaging of Labile Zn ²⁺ in Mitochondria via a Phosphorescent Iridium(III) Complex. <i>Inorganic Chemistry</i> , 2018, 57, 10625-10632.	4.0	28

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37	Development of luminescent nanoswitch for sensing of alkaline phosphatase in human serum based on Al ³⁺ -PPI interaction and Cu NCs with AIE properties. <i>Analytica Chimica Acta</i> , 2019, 1076, 131-137.	5.4	28
38	Activity-Based Fluorescent Molecular Logic Gate Probe for Dynamic Tracking of Mitophagy Induced by Oxidative Stress. <i>Analytical Chemistry</i> , 2021, 93, 3502-3509.	6.5	27
39	Luminescent film: Biofouling investigation of tetraphenylethylene blended polyethersulfone ultrafiltration membrane. <i>Chemosphere</i> , 2021, 267, 128871.	8.2	26
40	A visible light excitable fluorescent sensor for triphosphate/pyrophosphate based on a diZn ²⁺ complex bearing an intramolecular charge transfer fluorophore. <i>Dalton Transactions</i> , 2009, , 7888.	3.3	25
41	A Borondifluoride-Complex-Based Photothermal Agent with an 80% Photothermal Conversion Efficiency for Photothermal Therapy in the NIR Window. <i>Angewandte Chemie</i> , 2021, 133, 22550-22558.	2.0	24
42	AIE-active boron complexes based on benzothiazole-hydrazone chelates. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4977-4984.	2.8	22
43	Fluorescence imaging mitochondrial copper(II) via photocontrollable fluorogenic probe in live cells. <i>Chinese Chemical Letters</i> , 2017, 28, 1965-1968.	9.0	21
44	Circularly polarized luminescence from axially chiral binaphthalene-bridged BODIPY. <i>Dyes and Pigments</i> , 2020, 181, 108593.	3.7	21
45	A sulfonamidoquinoline-derived Zn ²⁺ fluorescent sensor with 1:1 Zn ²⁺ binding stoichiometry. <i>Inorganic Chemistry Communication</i> , 2011, 14, 304-307.	3.9	18
46	BODIPY-based monofunctional Pt (II) complexes for specific photocytotoxicity against cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2021, 218, 111394.	3.5	18
47	BODIPY-linked conjugated porous polymers for dye wastewater treatment. <i>Microporous and Mesoporous Materials</i> , 2022, 332, 111711.	4.4	18
48	A bezimidazole-based highly selective and low-background fluorescent sensor for Zn ²⁺ . <i>Inorganic Chemistry Communication</i> , 2012, 15, 176-179.	3.9	17
49	Benzothiazole-pyrimidine-Based BF ₂ Complex for Selective Detection of Cysteine. <i>Chemistry - an Asian Journal</i> , 2016, 11, 202-206.	3.3	17
50	An isophorone-based far-red emitting ratiometric fluorescent probe for selective sensing and imaging of polysulfides. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7015-7020.	5.8	17
51	A BODIPY-based ratiometric probe for sensing and imaging hydrogen polysulfides in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 223, 117295.	3.9	17
52	A ratiometric fluorescent sensor for tracking Cu(I) fluctuation in endoplasmic reticulum. <i>Science China Chemistry</i> , 2019, 62, 465-474.	8.2	17
53	Benzothiazole-pyrimidine-based BODIPY analogues: promising luminophores with fluorescence sensing and imaging ability and asymmetrization-induced solid-state emission. <i>Dalton Transactions</i> , 2016, 45, 17274-17280.	3.3	16
54	A near-infrared fluorescent probe for imaging of nitroxyl in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 241, 118680.	3.9	16

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55	Optical properties and mechanofluorochromism of new BODIPY dyes based on the pyridine-pyrimidine hybrid structure. <i>Dalton Transactions</i> , 2017, 46, 10332-10338.	3.3	15
56	Axial chiral binaphthalene-diketopyrrolopyrrole dyads as efficient far-red to near-infrared circularly polarized luminescent emitters. <i>Dyes and Pigments</i> , 2020, 173, 107998.	3.7	14
57	Easily accessible axial chiral binaphthalene-triarylborane dyes displaying intense circularly polarized luminescence both in solution and in solid-state. <i>Dyes and Pigments</i> , 2020, 175, 108168.	3.7	13
58	Flexible π -Conjugated 2,5-Diarylamino-Terephthalates: A New Class of Mechanochromic Luminophores with Tunable Aggregation States. <i>Chemistry - A European Journal</i> , 2020, 26, 14963-14968.	3.3	11
59	Fluorenyl-difluoroboron- β^2 -diketonates with multi-stimuli fluorescent response behavior and their applications in a thermochromic logic gate device. <i>Dyes and Pigments</i> , 2021, 186, 108990.	3.7	11
60	User-friendly aerobic reductive alkylation of iridium(<i>iii</i>) porphyrin chloride with potassium hydroxide: scope and mechanism. <i>Dalton Transactions</i> , 2015, 44, 20618-20625.	3.3	9
61	An isocamphanyl-based fluorescent α -turn-on-probe for highly sensitive and selective detection of Ga^{3+} and application <i>in vivo</i> and <i>in vitro</i> . <i>Analyst</i> , 2021, 146, 7294-7305.	3.5	4
62	A novel wood identification method for <i>Pterocarpus santalinus</i> L.f. species based on fluorescence features. <i>Journal of Wood Chemistry and Technology</i> , 0, , 1-8.	1.7	3
63	Synthesis, Characterization, Crystal Structure and Fluorescence Property of Tetramethyl 5,5-(Terephthaloylbis(azanediyl))-Diisophthalate. <i>Journal of Chemical Crystallography</i> , 2012, 42, 1124-1128.	1.1	1
64	Synthesis, transformation to octahedron-like crystals, and gas-sensing property of six-horned nanospheres of Cu_2O . <i>Crystal Research and Technology</i> , 2011, 46, 967-972.	1.3	0