

# Weijiang He

## List of Publications by Year in descending order

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81  
papers

5,575  
citations

126907

33  
h-index

79698

73  
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83  
all docs

83  
docs citations

83  
times ranked

6657  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational Design of Ratiometric Fe <sup>3+</sup> Fluorescent Probes Based on FRET Mechanism. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 67-74.	2.6	5
2	Recent advances in noble metal complex based photodynamic therapy. <i>Chemical Science</i> , 2022, 13, 5085-5106.	7.4	62
3	Optimizing the photodynamic therapeutic effect of BODIPY-based photosensitizers against cancer and bacterial cells. <i>Dyes and Pigments</i> , 2022, 202, 110255.	3.7	7
4	Golgi apparatus-targeted aggregation-induced emission luminogens for effective cancer photodynamic therapy. <i>Nature Communications</i> , 2022, 13, 2179.	12.8	83
5	An Endoplasmic Reticulum-Targeted Ratiometric Fluorescent Molecule Reveals Zn <sup>2+</sup> Micro-Dynamics During Drug-Induced Organelle Ionic Disorder. <i>Frontiers in Pharmacology</i> , 2022, 13, .	3.5	2
6	A new palladium complex as a dual fluorometric and colorimetric probe for rapid determination of sulfide anion. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 404, 112885.	3.9	8
7	Surmounting tumor resistance to metallodrugs by co-loading a metal complex and siRNA in nanoparticles. <i>Chemical Science</i> , 2021, 12, 4547-4556.	7.4	12
8	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
9	Ferroptosis Photoinduced by New Cyclometalated Iridium(III) Complexes and Its Synergism with Apoptosis in Tumor Cell Inhibition. <i>Angewandte Chemie</i> , 2021, 133, 8255-8262.	2.0	28
10	Ferroptosis Photoinduced by New Cyclometalated Iridium(III) Complexes and Its Synergism with Apoptosis in Tumor Cell Inhibition. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8174-8181.	13.8	154
11	BODIPY-based monofunctional Pt (II) complexes for specific photocytotoxicity against cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2021, 218, 111394.	3.5	18
12	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
13	A PEGylated photosensitizer-core pH-responsive polymeric nanocarrier for imaging-guided combination chemotherapy and photodynamic therapy. <i>New Journal of Chemistry</i> , 2021, 45, 6180-6185.	2.8	12
14	Simultaneous Zn <sup>2+</sup> tracking in multiple organelles using super-resolution morphology-correlated organelle identification in living cells. <i>Nature Communications</i> , 2021, 12, 109.	12.8	71
15	Tracking Labile Copper Fluctuation <i>In Vivo</i> / <i>Ex Vivo</i> : Design and Application of a Ratiometric Near-Infrared Fluorophore Derived from 4-Aminostyrene-Conjugated Boron Dipyrromethene. <i>Inorganic Chemistry</i> , 2021, 60, 18567-18574.	4.0	10
16	Reversible FRET Fluorescent Probe for Ratiometric Tracking of Endogenous Fe <sup>3+</sup> in Ferroptosis. <i>Inorganic Chemistry</i> , 2020, 59, 10920-10927.	4.0	32
17	Recent Endeavors on Molecular Imaging for Mapping Metals in Biology. <i>Biophysics Reports</i> , 2020, 6, 159-178.	0.8	4
18	A FRET-based fluorescent Zn <sup>2+</sup> sensor: 3D ratiometric imaging, flow cytometric tracking and cisplatin-induced Zn <sup>2+</sup> fluctuation monitoring. <i>Chemical Science</i> , 2020, 11, 11037-11041.	7.4	31

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19	Photoinduced synergistic cytotoxicity towards cancer cells <i>via</i> Ru(II) complexes. Dalton Transactions, 2020, 49, 13954-13957.	3.3	5
20	A dual-labeling probe to track functional mitochondria-lysosome interactions in live cells. Nature Communications, 2020, 11, 6290.	12.8	116
21	FRET-based fluorescent ratiometric probes for the rapid detection of endogenous hydrogen sulphide in living cells. Analyst, The, 2020, 145, 4233-4238.	3.5	24
22	A novel luminescent Ir(III) complex for dual mode imaging: synergistic response to hypoxia and acidity of the tumor microenvironment. Chemical Communications, 2020, 56, 8055-8058.	4.1	20
23	A ratiometric fluorescent probe for imaging enzyme dependent hydrogen sulfide variation in the mitochondria and in living mice. Analyst, The, 2020, 145, 5123-5127.	3.5	23
24	A novel binuclear Pd(II) complex displaying synergic peptide cleavage behaviour. Dalton Transactions, 2020, 49, 3164-3173.	3.3	0
25	A dual-modal probe for NIR fluorogenic and ratiometric photoacoustic imaging of Cys/Hcy in vivo. Science China Chemistry, 2020, 63, 699-706.	8.2	32
26	Zinc Promotes Patient-Derived Induced Pluripotent Stem Cell Neural Differentiation via ERK-STAT Signaling. Stem Cells and Development, 2020, 29, 863-875.	2.1	9
27	Photoactivated Lysosomal Escape of a Monofunctional Pt(II) Complex Pt@BDPA for Nucleus Access. Angewandte Chemie, 2019, 131, 12791-12796.	2.0	13
28	An Optical/Photoacoustic Dual-Modality Probe: Ratiometric in/ex Vivo Imaging for Stimulated H <sub>2</sub> S Upregulation in Mice. Journal of the American Chemical Society, 2019, 141, 17973-17977.	13.7	156
29	Tuning lipophilicity for optimizing the H <sub>2</sub> S sensing performance of coumarin-merocyanine derivatives. New Journal of Chemistry, 2019, 43, 14800-14805.	2.8	15
30	Photoactivated Lysosomal Escape of a Monofunctional Pt(II) Complex Pt@BDPA for Nucleus Access. Angewandte Chemie - International Edition, 2019, 58, 12661-12666.	13.8	89
31	A ratiometric fluorescent sensor for tracking Cu(I) fluctuation in endoplasmic reticulum. Science China Chemistry, 2019, 62, 465-474.	8.2	17
32	Nanoscale monitoring of mitochondria and lysosome interactions for drug screening and discovery. Nano Research, 2019, 12, 1009-1015.	10.4	45
33	Non-symmetric thieno[3,2- <i>b</i> ]thiophene-fused BODIPYs: synthesis, spectroscopic properties and providing a functional strategy for NIR probes. Organic Chemistry Frontiers, 2019, 6, 3961-3968.	4.5	29
34	<i>De Novo</i> -Designed Near-Infrared Nanoaggregates for Super-Resolution Monitoring of Lysosomes in Cells, in Whole Organoids, and <i>in Vivo</i> . ACS Nano, 2019, 13, 14426-14436.	14.6	63
35	Coumarin/BODIPY Hybridisation for Ratiometric Sensing of Intracellular Polarity Oscillation. Chemistry - A European Journal, 2018, 24, 7513-7524.	3.3	23
36	Zinc ions regulate opening of tight junction favouring efflux of macromolecules <i>via</i> the GSK3 $\beta$ /snail-mediated pathway. Metallomics, 2018, 10, 169-179.	2.4	15

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37	A new BODIPY-derived ratiometric sensor with internal charge transfer (ICT) effect: colorimetric/fluorometric sensing of Ag <sup>+</sup> . Dalton Transactions, 2018, 47, 2285-2291.	3.3	21
38	BODIPY-derived ratiometric fluorescent sensors: pH-regulated aggregation-induced emission and imaging application in cellular acidification triggered by crystalline silica exposure. Science China Chemistry, 2018, 61, 1413-1422.	8.2	26
39	A mitochondria-targeting fluorescent Fe <sup>3+</sup> probe and its application in labile Fe <sup>3+</sup> monitoring via imaging and flow cytometry. Dyes and Pigments, 2018, 157, 328-333.	3.7	19
40	Phosphorescence Lifetime Imaging of Labile Zn <sup>2+</sup> in Mitochondria via a Phosphorescent Iridium(III) Complex. Inorganic Chemistry, 2018, 57, 10625-10632.	4.0	28
41	Synergetic effect between spin crossover and luminescence in the [Fe(bpp) <sub>2</sub> ][BF <sub>4</sub> ] <sub>2</sub> (bpp = 1,1'-[2,2'-bipyridin-5,5'-diyl]diphenyl). Dalton Transactions, 2018, 47, 10784-10791.	5.5	41
42	A New Approach to Sensitize Antitumor Monofunctional Platinum(II) Complexes via Short Time Photo-Irradiation. Inorganic Chemistry, 2017, 56, 3754-3762.	4.0	31
43	Highly efficient FRET from aggregation-induced emission to BODIPY emission based on host-guest interaction for mimicking the light-harvesting system. RSC Advances, 2017, 7, 36021-36025.	3.6	26
44	Benzothiazole-pyrimidine-based BF <sub>3</sub> ·OEt <sub>2</sub> complex for selective detection of cysteine. Chemistry - an Asian Journal, 2016, 11, 202-206.	3.3	17
45	In vivo fluorescence imaging for Cu <sup>2+</sup> in live mice by a new NIR fluorescent sensor. Dyes and Pigments, 2016, 130, 116-121.	3.7	43
46	Ratiometric detection of pH fluctuation in mitochondria with a new fluorescein/cyanine hybrid sensor. Chemical Science, 2015, 6, 3187-3194.	7.4	165
47	A novel triple-mode fluorescent pH probe from monomer emission to aggregation-induced emission. RSC Advances, 2015, 5, 8912-8917.	3.6	23
48	H <sub>2</sub> O <sub>2</sub> -Activatable and O <sub>2</sub> -Evolving Nanoparticles for Highly Efficient and Selective Photodynamic Therapy against Hypoxic Tumor Cells. Journal of the American Chemical Society, 2015, 137, 1539-1547.	13.7	754
49	Photoluminescence imaging of Zn <sup>2+</sup> in living systems. Chemical Society Reviews, 2015, 44, 4517-4546.	38.1	225
50	Protein A Detection Based on Quantum Dots-Antibody Bioprobe Using Fluorescence Coupled Capillary Electrophoresis. International Journal of Molecular Sciences, 2014, 15, 1804-1811.	4.1	11
51	In vivo ratiometric Zn <sup>2+</sup> imaging in zebrafish larvae using a new visible light excitable fluorescent sensor. Chemical Communications, 2014, 50, 1253-1255.	4.1	44
52	Synthesis and fluorescence properties of isoindoline-benzazole-based boron difluoride complexes. New Journal of Chemistry, 2014, 38, 1277.	2.8	33
53	A highly sensitive and selective turn-on fluorescent chemodosimeter for Cu <sup>2+</sup> based on BODIPY and its application in bioimaging. RSC Advances, 2014, 4, 6691.	3.6	20
54	A highly selective turn-on fluorescent chemodosimeter for Cr(VI) and its application in living cell imaging. RSC Advances, 2014, 4, 2989-2992.	3.6	15

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55	A turn-on fluorescent Fe <sup>3+</sup> sensor derived from an anthracene-bearing bisdiene macrocycle and its intracellular imaging application. <i>Chemical Communications</i> , 2014, 50, 4631.	4.1	84
56	A reversible ratiometric sensor for intracellular Cu <sup>2+</sup> imaging: metal coordination-altered FRET in a dual fluorophore hybrid. <i>Chemical Communications</i> , 2013, 49, 7632.	4.1	68
57	Oxidative DNA cleavage promoted by polynuclear copper complexes bearing iminodiacetate chelator. <i>Inorganica Chimica Acta</i> , 2013, 399, 112-118.	2.4	9
58	In vitro and in vivo imaging application of a 1,8-naphthalimide-derived Zn <sup>2+</sup> fluorescent sensor with nuclear envelope penetrability. <i>Chemical Communications</i> , 2013, 49, 11430.	4.1	62
59	Metal coordination in photoluminescent sensing. <i>Chemical Society Reviews</i> , 2013, 42, 1568.	38.1	702
60	A Ratiometric Fluorescent Probe for Rapid Detection of Hydrogen Sulfide in Mitochondria. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1688-1691.	13.8	491
61	An excitation ratiometric Zn <sup>2+</sup> sensor with mitochondria-targetability for monitoring of mitochondrial Zn <sup>2+</sup> release upon different stimulations. <i>Chemical Communications</i> , 2012, 48, 8365.	4.1	77
62	DNA cleavage behavior of a new p-xylyl spaced bisCu(BPA)Cl <sub>2</sub> complex: the steric effect of a bulky p-xylyl-derived spacer. <i>New Journal of Chemistry</i> , 2012, 36, 644-649.	2.8	5
63	A new "turn-on" chemodosimeter for Hg <sup>2+</sup> : ICT fluorophore formation via Hg <sup>2+</sup> -induced carbalddehyde recovery from 1,3-dithiane. <i>Chemical Communications</i> , 2012, 48, 5094.	4.1	81
64	A bezimidazole-based highly selective and low-background fluorescent sensor for Zn <sup>2+</sup> . <i>Inorganic Chemistry Communication</i> , 2012, 15, 176-179.	3.9	17
65	In Vitro and in Vivo Fluorescent Imaging of a Monofunctional Chelated Platinum Complex Excitable Using Visible Light. <i>Inorganic Chemistry</i> , 2011, 50, 11847-11849.	4.0	30
66	A fluorometric/colorimetric dual-channel Hg <sup>2+</sup> sensor derived from a 4-amino-7-nitro-benzoxadiazole (ANBD) fluorophore. <i>New Journal of Chemistry</i> , 2011, 35, 607.	2.8	40
67	A sulfonamidoquinoline-derived Zn <sup>2+</sup> fluorescent sensor with 1:1 Zn <sup>2+</sup> binding stoichiometry. <i>Inorganic Chemistry Communication</i> , 2011, 14, 304-307.	3.9	18
68	DNA cleavage promoted by trigonal-bipyramidal zinc(II) and copper(II) complexes formed by asymmetric tripodal tetradentate 2-[bis(2-aminoethyl)amino]ethanol. <i>Inorganica Chimica Acta</i> , 2010, 363, 793-798.	2.4	16
69	A charge transfer type pH responsive fluorescent probe and its intracellular application. <i>New Journal of Chemistry</i> , 2010, 34, 656.	2.8	46
70	DNA Cross-Linking Patterns Induced by an Antitumor-Active Trinuclear Platinum Complex and Comparison with Its Dinuclear Analogue. <i>Chemistry - A European Journal</i> , 2009, 15, 5245-5253.	3.3	43
71	Visible Light Excitable Zn <sup>2+</sup> Fluorescent Sensor Derived from an Intramolecular Charge Transfer Fluorophore and Its in Vitro and in Vivo Application. <i>Journal of the American Chemical Society</i> , 2009, 131, 1460-1468.	13.7	401
72	A Zn <sup>2+</sup> Fluorescent Sensor Derived from 2-(Pyridin-2-yl)benzimidazole with Ratiometric Sensing Potential. <i>Organic Letters</i> , 2009, 11, 795-798.	4.6	118

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73	Synthesis, Crystal Structure, and DNA-Cleaving Behavior of 5-Substituted Benzene-1,3-bis(methylene)-Spaced Dinuclear Copper(II) Complexes. <i>Chemistry and Biodiversity</i> , 2008, 5, 1495-1504.	2.1	9
74	Structural and fluorescent study of zinc complexes of dansyl aminoquinoline. <i>Inorganica Chimica Acta</i> , 2007, 360, 431-438.	2.4	19
75	A positively charged trinuclear 3N-chelated monofunctional platinum complex with high DNA affinity and potent cytotoxicity. <i>Dalton Transactions</i> , 2006, , 2617.	3.3	50
76	Oxidative DNA Cleavage Promoted by Multinuclear Copper Complexes: Activity Dependence on the Complex Structure. <i>Chemistry - A European Journal</i> , 2006, 12, 6621-6629.	3.3	171
77	Monolayer Formation of Alkyl Chain-Containing Phosphoric Acid Amphiphiles at the Air/Water (pH 5.6) Interface: Influence of Temperature and Cations. <i>Journal of Colloid and Interface Science</i> , 2002, 246, 335-342.	9.4	10
78	Synthesis and electrospray mass spectrometry study of Pd(II) complexes of low-rim amino acid substituted calix[4]arenes. <i>New Journal of Chemistry</i> , 2001, 25, 1330-1336.	2.8	10
79	INTERACTION OF METAL IONS WITH TWO NEW CALIX[4, 8]ARENE DERIVATIVES. <i>Journal of Coordination Chemistry</i> , 2001, 54, 105-116.	2.2	35
80	Title is missing!. <i>Journal of Chemical Crystallography</i> , 1999, 29, 1121-1125.	1.1	5
81	A photoacoustic Zn <sup>2+</sup> sensor based on a merocyanine/xanthene-6-ol hybrid chromophore and its ratiometric imaging in mice. <i>Inorganic Chemistry Frontiers</i> , 0, , .	6.0	13