

Weijiang He

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

4,234
citations

28
h-index

64
g-index

83
ext. papers

4,883
ext. citations

7.7
avg, IF

5.65
L-index

#	Paper	IF	Citations
80	H ₂ O ₂ -activatable and O ₂ -evolving nanoparticles for highly efficient and selective photodynamic therapy against hypoxic tumor cells. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1539-47	16.4	623
79	Metal coordination in photoluminescent sensing. <i>Chemical Society Reviews</i> , 2013 , 42, 1568-600	58.5	593
78	A ratiometric fluorescent probe for rapid detection of hydrogen sulfide in mitochondria. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1688-91	16.4	434
77	Visible light excitable Zn ²⁺ 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, 1460-8	16.4	370
76	Photoluminescence imaging of Zn(2+) in living systems. <i>Chemical Society Reviews</i> , 2015 , 44, 4517-46	58.5	178
75	Oxidative DNA cleavage promoted by multinuclear copper complexes: activity dependence on the complex structure. <i>Chemistry - A European Journal</i> , 2006 , 12, 6621-9	4.8	158
74	Ratiometric detection of pH fluctuation in mitochondria with a new fluorescein/cyanine hybrid sensor. <i>Chemical Science</i> , 2015 , 6, 3187-3194	9.4	143
73	A Zn ²⁺ fluorescent sensor derived from 2-(pyridin-2-yl)benzoimidazole with ratiometric sensing potential. <i>Organic Letters</i> , 2009 , 11, 795-8	6.2	113
72	An Optical/Photoacoustic Dual-Modality Probe: Ratiometric in/ex Vivo Imaging for Stimulated HS Upregulation in Mice. <i>Journal of the American Chemical Society</i> , 2019 , 141, 17973-17977	16.4	101
71	A Ratiometric Fluorescent Probe for Rapid Detection of Hydrogen Sulfide in Mitochondria. <i>Angewandte Chemie</i> , 2013 , 125, 1732-1735	3.6	97
70	A turn-on fluorescent Fe(3+) sensor derived from an anthracene-bearing bisdiene macrocycle and its intracellular imaging application. <i>Chemical Communications</i> , 2014 , 50, 4631-4	5.8	76
69	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, 8365-7	5.8	72
68	A new "turn-on" chemodosimeter for Hg ²⁺ : ICT fluorophore formation via Hg(2+)-induced carbaldehyde recovery from 1,3-dithiane. <i>Chemical Communications</i> , 2012 , 48, 5094-6	5.8	71
67	A reversible ratiometric sensor for intracellular Cu ²⁺ imaging: metal coordination-altered FRET in a dual fluorophore hybrid. <i>Chemical Communications</i> , 2013 , 49, 7632-4	5.8	65
66	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, 11430-2	5.8	60
65	Photoactivated Lysosomal Escape of a Monofunctional Pt Complex Pt-BDPA for Nucleus Access. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12661-12666	16.4	54
64	A positively charged trinuclear 3N-chelated monofunctional platinum complex with high DNA affinity and potent cytotoxicity. <i>Dalton Transactions</i> , 2006 , 2617-9	4.3	48

63	A charge transfer type pH responsive fluorescent probe and its intracellular application. <i>New Journal of Chemistry</i> , 2010 , 34, 656	3.6	43
62	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, 5245-53	4.8	42
61	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	16.4	41
60	A fluorometric/colorimetric dual-channel Hg ²⁺ sensor derived from a 4-amino-7-nitro-benzoxadiazole (ANBD) fluorophore. <i>New Journal of Chemistry</i> , 2011 , 35, 607	3.6	40
59	In vivo ratiometric Zn ²⁺ imaging in zebrafish larvae using a new visible light excitable fluorescent sensor. <i>Chemical Communications</i> , 2014 , 50, 1253-5	5.8	39
58	In vivo fluorescence imaging for Cu ²⁺ in live mice by a new NIR fluorescent sensor. <i>Dyes and Pigments</i> , 2016 , 130, 116-121	4.6	37
57	A dual-labeling probe to track functional mitochondria-lysosome interactions in live cells. <i>Nature Communications</i> , 2020 , 11, 6290	17.4	35
56	-Designed Near-Infrared Nanoaggregates for Super-Resolution Monitoring of Lysosomes in Cells, in Whole Organoids, and. <i>ACS Nano</i> , 2019 , 13, 14426-14436	16.7	34
55	INTERACTION OF METAL IONS WITH TWO NEW CALIX[4, 8]ARENE DERIVATIVES. <i>Journal of Coordination Chemistry</i> , 2001 , 54, 105-116	1.6	32
54	Synthesis and fluorescence properties of isoindolineBenzazole-based boron difluoride complexes. <i>New Journal of Chemistry</i> , 2014 , 38, 1277	3.6	30
53	In vitro and in vivo fluorescent imaging of a monofunctional chelated platinum complex excitable using visible light. <i>Inorganic Chemistry</i> , 2011 , 50, 11847-9	5.1	29
52	A New Approach to Sensitize Antitumor Monofunctional Platinum(II) Complexes via Short Time Photo-Irradiation. <i>Inorganic Chemistry</i> , 2017 , 56, 3754-3762	5.1	28
51	Synergetic effect between spin crossover and luminescence in the [Fe(bpp) ₂][BF ₄] ₂ (bpp = 2,6-bis(pyrazol-1-yl)pyridine) complex. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5214-5222	7.1	24
50	A novel triple-mode fluorescent pH probe from monomer emission to aggregation-induced emission. <i>RSC Advances</i> , 2015 , 5, 8912-8917	3.7	22
49	BODIPY-derived ratiometric fluorescent sensors: pH-regulated aggregation-induced emission and imaging application in cellular acidification triggered by crystalline silica exposure. <i>Science China Chemistry</i> , 2018 , 61, 1413-1422	7.9	21
48	Phosphorescence Lifetime Imaging of Labile Zn in Mitochondria via a Phosphorescent Iridium(III) Complex. <i>Inorganic Chemistry</i> , 2018 , 57, 10625-10632	5.1	20
47	Nanoscale monitoring of mitochondria and lysosome interactions for drug screening and discovery. <i>Nano Research</i> , 2019 , 12, 1009-1015	10	19
46	Highly efficient FRET from aggregation-induced emission to BODIPY emission based on host-guest interaction for mimicking the light-harvesting system. <i>RSC Advances</i> , 2017 , 7, 36021-36025	3.7	19

45	Simultaneous Zn tracking in multiple organelles using super-resolution morphology-correlated organelle identification in living cells. <i>Nature Communications</i> , 2021 , 12, 109	17.4	18
44	A dual-modal probe for NIR fluorogenic and ratiometric photoacoustic imaging of Cys/Hcy in vivo. <i>Science China Chemistry</i> , 2020 , 63, 699-706	7.9	17
43	Coumarin/BODIPY Hybridisation for Ratiometric Sensing of Intracellular Polarity Oscillation. <i>Chemistry - A European Journal</i> , 2018 , 24, 7513-7524	4.8	17
42	A new BODIPY-derived ratiometric sensor with internal charge transfer (ICT) effect: colorimetric/fluorometric sensing of Ag. <i>Dalton Transactions</i> , 2018 , 47, 2285-2291	4.3	16
41	A highly sensitive and selective turn-on fluorescent chemodosimeter for Cu ²⁺ based on BODIPY and its application in bioimaging. <i>RSC Advances</i> , 2014 , 4, 6691	3.7	16
40	A sulfonamidoquinoline-derived Zn ²⁺ fluorescent sensor with 1:1 Zn ²⁺ binding stoichiometry. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 304-307	3.1	16
39	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	2.7	16
38	Structural and fluorescent study of zinc complexes of dansyl aminoquinoline. <i>Inorganica Chimica Acta</i> , 2007 , 360, 431-438	2.7	16
37	A FRET-based fluorescent Zn sensor: 3D ratiometric imaging, flow cytometric tracking and cisplatin-induced Zn fluctuation monitoring. <i>Chemical Science</i> , 2020 , 11, 11037-11041	9.4	16
36	FRET-based fluorescent ratiometric probes for the rapid detection of endogenous hydrogen sulphide in living cells. <i>Analyst, The</i> , 2020 , 145, 4233-4238	5	15
35	Benzothiazole-Pyrimidine-Based BF ₂ Complex for Selective Detection of Cysteine. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 202-6	4.5	15
34	A bezoimidazole-based highly selective and low-background fluorescent sensor for Zn ²⁺ . <i>Inorganic Chemistry Communication</i> , 2012 , 15, 176-179	3.1	15
33	Non-symmetric thieno[3,2-b]thiophene-fused BODIPYs: synthesis, spectroscopic properties and providing a functional strategy for NIR probes. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 3961-3968	5.2	15
32	Reversible FRET Fluorescent Probe for Ratiometric Tracking of Endogenous Fe in Ferroptosis. <i>Inorganic Chemistry</i> , 2020 , 59, 10920-10927	5.1	14
31	A novel luminescent Ir(III) complex for dual mode imaging: synergistic response to hypoxia and acidity of the tumor microenvironment. <i>Chemical Communications</i> , 2020 , 56, 8055-8058	5.8	12
30	Photoactivated Lysosomal Escape of a Monofunctional Pt(II) Complex Pt-BDPA for Nucleus Access. <i>Angewandte Chemie</i> , 2019 , 131, 12791-12796	3.6	12
29	A highly selective turn-on fluorescent chemodosimeter for Cr(VI) and its application in living cell imaging. <i>RSC Advances</i> , 2014 , 4, 2989-2992	3.7	12
28	A ratiometric fluorescent probe for imaging enzyme dependent hydrogen sulfide variation in the mitochondria and in living mice. <i>Analyst, The</i> , 2020 , 145, 5123-5127	5	11

27	Rational construction of a reversible arylazo-based NIR probe for cycling hypoxia imaging in vivo. <i>Nature Communications</i> , 2021 , 12, 2772	17.4	11
26	Zinc ions regulate opening of tight junction favouring efflux of macromolecules via the GSK3 β /snail-mediated pathway. <i>Metallomics</i> , 2018 , 10, 169-179	4.5	10
25	A mitochondria-targeting fluorescent Fe ³⁺ probe and its application in labile Fe ³⁺ monitoring via imaging and flow cytometry. <i>Dyes and Pigments</i> , 2018 , 157, 328-333	4.6	10
24	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, 335-42	9.3	10
23	Golgi apparatus-targeted aggregation-induced emission luminogens for effective cancer photodynamic therapy.. <i>Nature Communications</i> , 2022 , 13, 2179	17.4	10
22	Tuning lipophilicity for optimizing the H ₂ S sensing performance of coumarin π terocyanine derivatives. <i>New Journal of Chemistry</i> , 2019 , 43, 14800-14805	3.6	9
21	A ratiometric fluorescent sensor for tracking Cu(I) fluctuation in endoplasmic reticulum. <i>Science China Chemistry</i> , 2019 , 62, 465-474	7.9	9
20	Protein a detection based on quantum dots-antibody bioprobe using fluorescence coupled capillary electrophoresis. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 1804-11	6.3	9
19	Oxidative DNA cleavage promoted by polynuclear copper complexes bearing iminodiacetate chelator. <i>Inorganica Chimica Acta</i> , 2013 , 399, 112-118	2.7	8
18	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, 1495-504	2.5	8
17	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	3.6	8
16	Activity-Based Fluorescent Molecular Logic Gate Probe for Dynamic Tracking of Mitophagy Induced by Oxidative Stress. <i>Analytical Chemistry</i> , 2021 , 93, 3502-3509	7.8	7
15	DNA cleavage behavior of a new p-xylyl spaced bisCu(BPA)Cl ₂ complex: the steric effect of a bulky p-xylyl-derived spacer. <i>New Journal of Chemistry</i> , 2012 , 36, 644-649	3.6	5
14	BODIPY-based monofunctional Pt (II) complexes for specific photocytotoxicity against cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2021 , 218, 111394	4.2	5
13	Recent Advances of Noble Metal Complex based Photodynamic Therapy. <i>Chemical Science</i> ,	9.4	5
12	Crystal structure of the molecular inclusion complex of 5, 17-di-t-butyl-26, 28-disubstituted calix[4]arene with acetone (1:3). <i>Journal of Chemical Crystallography</i> , 1999 , 29, 1121-1125	0.5	4
11	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	3.6	4
10	Photoinduced synergistic cytotoxicity towards cancer cells Ru(II) complexes. <i>Dalton Transactions</i> , 2020 , 49, 13954-13957	4.3	3

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	3.6	3
8	Surmounting tumor resistance to metallodrugs by co-loading a metal complex and siRNA in nanoparticles. <i>Chemical Science</i> , 2021 , 12, 4547-4556	9.4	3
7	A photoacoustic Zn ²⁺ sensor based on a merocyanine/xanthene-6-ol hybrid chromophore and its ratiometric imaging in mice. <i>Inorganic Chemistry Frontiers</i> ,	6.8	3
6	Rational Design of Ratiometric Fe ³⁺ Fluorescent Probes Based on FRET Mechanism. <i>Chemical Research in Chinese Universities</i> , ¹	2.2	2
5	Recent Endeavors on Molecular Imaging for Mapping Metals in Biology. <i>Biophysics Reports</i> , 2020 , 6, 159-178	3.5	2
4	Optimizing the photodynamic therapeutic effect of BODIPY-based photosensitizers against cancer and bacterial cells. <i>Dyes and Pigments</i> , 2022 , 202, 110255	4.6	2
3	Zinc Promotes Patient-Derived Induced Pluripotent Stem Cell Neural Differentiation via ERK-STAT Signaling. <i>Stem Cells and Development</i> , 2020 , 29, 863-875	4.4	1
2	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	4.7	0
1	A novel binuclear Pd(ii) complex displaying synergic peptide cleavage behaviour. <i>Dalton Transactions</i> , 2020 , 49, 3164-3173	4.3	