Weili Zhao

List of Publications by Year
in descending order

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105	4,377	109321	118850
papers	citations	35 h-index	62 g-index

107	107	107	4060
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Conformationally Restricted Aza-Bodipy: A Highly Fluorescent, Stable, Near-Infrared-Absorbing Dye. Angewandte Chemie - International Edition, 2005, 44, 1677-1679.	13.8	258
2	Conformationally Restricted Aza-BODIPY: Highly Fluorescent, Stable Near-Infrared Absorbing Dyes. Chemistry - A European Journal, 2006, 12, 7254-7263.	3.3	250
3	Towards more accurate bioimaging of drug nanocarriers: turning aggregation-caused quenching into a useful tool. Advanced Drug Delivery Reviews, 2019, 143, 206-225.	13.7	178
4	Dual emission channels for sensitive discrimination of Cys/Hcy and GSH in plasma and cells. Chemical Communications, 2015, 51, 4245-4248.	4.1	161
5	BODIPYâ€Based Fluorescent Probes for Biothiols. Chemistry - A European Journal, 2020, 26, 4172-4192.	3.3	155
6	Evidence of nose-to-brain delivery of nanoemulsions: cargoes but not vehicles. Nanoscale, 2017, 9, 1174-1183.	5.6	140
7	Highly Selective and Sensitive 1-Amino BODIPY-Based Red Fluorescent Probe for Thiophenols with High Off-to-On Contrast Ratio. Analytical Chemistry, 2015, 87, 399-405.	6.5	111
8	A mitochondria-targeted turn-on fluorescent probe for the detection of glutathione in living cells. Biosensors and Bioelectronics, 2016, 85, 164-170.	10.1	104
9	Pyridinium substituted BODIPY as NIR fluorescent probe for simultaneous sensing of hydrogen sulphide/glutathione and cysteine/homocysteine. Sensors and Actuators B: Chemical, 2018, 257, 1076-1082.	7.8	98
10	Environment-responsive aza-BODIPY dyes quenching in water as potential probes to visualize the in vivo fate of lipid-based nanocarriers. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1939-1948.	3.3	96
11	A Conformationally Restricted Aza-BODIPY Platform for Stimulus-Responsive Probes with Enhanced Photoacoustic Properties. Journal of the American Chemical Society, 2019, 141, 17601-17609.	13.7	96
12	A selective fluorescent turn-on NIR probe for cysteine. Organic and Biomolecular Chemistry, 2012, 10, 1966.	2.8	94
13	Size-dependent penetration of nanoemulsions into epidermis and hair follicles: implications for transdermal delivery and immunization. Oncotarget, 2017, 8, 38214-38226.	1.8	94
14	The in vivo fate of nanocrystals. Drug Discovery Today, 2017, 22, 744-750.	6.4	88
15	Size-Dependent Translocation of Nanoemulsions via Oral Delivery. ACS Applied Materials & Interfaces, 2017, 9, 21660-21672.	8.0	82
16	A series of BODIPY-based probes for the detection of cysteine and homocysteine in living cells. Talanta, 2019, 195, 281-289.	5.5	71
17	Meso-heteroaryl BODIPY dyes as dual-responsive fluorescent probes for discrimination of Cys from Hcy and GSH. Sensors and Actuators B: Chemical, 2018, 260, 861-869.	7.8	68
18	Efficient and longâ€life green lightâ€emitting diodes comprising tridentate thiol capped quantum dots. Laser and Photonics Reviews, 2017, 11, 1600227.	8.7	67

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19	A NIR BODIPY dye bearing 3,4,4a-trihydroxanthene moieties. Organic and Biomolecular Chemistry, 2012, 10, 6861.	2.8	61
20	In vivo fate of lipid-based nanoparticles. Drug Discovery Today, 2017, 22, 166-172.	6.4	60
21	Epithelia transmembrane transport of orally administered ultrafine drug particles evidenced by environment sensitive fluorophores in cellular and animal studies. Journal of Controlled Release, 2018, 270, 65-75.	9.9	59
22	Bioimaging of Intravenous Polymeric Micelles Based on Discrimination of Integral Particles Using an Environment-Responsive Probe. Molecular Pharmaceutics, 2016, 13, 4013-4019.	4.6	58
23	Development of Mono- and Di-AcO Substituted BODIPYs on the Boron Center. Organic Letters, 2012, 14, 248-251.	4.6	57
24	Visual validation of the measurement of entrapment efficiency of drug nanocarriers. International Journal of Pharmaceutics, 2018, 547, 395-403.	5.2	55
25	Bioimaging of nanoparticles: the crucial role of discriminating nanoparticles from free probes. Drug Discovery Today, 2017, 22, 382-387.	6.4	53
26	Biomimetic thiamine- and niacin-decorated liposomes for enhanced oral delivery of insulin. Acta Pharmaceutica Sinica B, 2018, 8, 97-105.	12.0	48
27	Meso-pyridinium substituted BODIPY dyes as mitochondria-targeted probes for the detection of cysteine in living cells and in vivo. Dyes and Pigments, 2021, 187, 109089.	3.7	48
28	Water-Soluble Fluorescent Probe with Dual Mitochondria/Lysosome Targetability for Selective Superoxide Detection in Live Cells and in Zebrafish Embryos. ACS Sensors, 2018, 3, 59-64.	7.8	47
29	A turn-on NIR fluorescent probe for the detection of homocysteine over cysteine. RSC Advances, 2014, 4, 54080-54083.	3.6	46
30	Fluorescent probe for sensitive discrimination of Hcy and Cys/GSH in living cells via dual-emission. Analytica Chimica Acta, 2019, 1074, 123-130.	5.4	46
31	Development of non-symmetric thiophene-fused BODIPYs. Tetrahedron, 2012, 68, 9795-9801.	1.9	42
32	Overcoming the resistance mechanisms of Smoothened inhibitors. Drug Discovery Today, 2018, 23, 704-710.	6.4	41
33	A multi-functional probe to discriminate Lys, Arg, His, Cys, Hcy and GSH from common amino acids. Chemical Communications, 2015, 51, 1498-1501.	4.1	39
34	The biological fate of orally administered mPEG-PDLLA polymeric micelles. Journal of Controlled Release, 2020, 327, 725-736.	9.9	39
35	Diketopyrrolopyrrole-based sensor for over-expressed peroxynitrite in drug-induced hepatotoxicity via ratiometric fluorescence imaging. Sensors and Actuators B: Chemical, 2022, 352, 130992.	7.8	38
36	Instantaneous fluorescent probe for the specific detection of H2S. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 213, 416-422.	3.9	37

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37	Endogenous peroxynitrite activated fluorescent probe for revealing antiâ€tuberculosis drug induced hepatotoxicity. Chinese Chemical Letters, 2022, 33, 1584-1588.	9.0	36
38	BODIPY-based turn-on fluorescent probes for cysteine and homocysteine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 203, 77-84.	3.9	35
39	Discovery of a Monoiodo Aza-BODIPY Near-Infrared Photosensitizer: in vitro and in vivo Evaluation for Photodynamic Therapy. Journal of Medicinal Chemistry, 2020, 63, 9950-9964.	6.4	35
40	Tracking translocation of self-discriminating curcumin hybrid nanocrystals following intravenous delivery. International Journal of Pharmaceutics, 2018, 546, 10-19.	5.2	34
41	Enhanced transdermal delivery of curcumin nanosuspensions: A mechanistic study based on co-localization of particle and drug signals. International Journal of Pharmaceutics, 2020, 588, 119737.	5.2	34
42	Bioimaging of Intact Polycaprolactone Nanoparticles Using Aggregationâ€Caused Quenching Probes: Sizeâ€Dependent Translocation via Oral Delivery. Advanced Healthcare Materials, 2018, 7, e1800711.	7.6	33
43	A dual-mode turn-on fluorescent BODIPY-based probe for visualization of mercury ions in living cells. Analyst, The, 2016, 141, 4789-4795.	3.5	29
44	BODIPY-based near-infrared fluorescent probe for diagnosis drug-induced liver injury via imaging of HClO in cells and in vivo. Dyes and Pigments, 2022, 199, 110073.	3.7	29
45	Amino Acid Metabolism Abnormity and Microenvironment Variation Mediated Targeting and Controlled Glioma Chemotherapy. Small, 2016, 12, 5633-5645.	10.0	27
46	A ratiometric fluorescent BODIPY-based probe for rapid and highly sensitive detection of cysteine in human plasma. Analyst, The, 2018, 143, 5728-5735.	3.5	27
47	Visualizing Nitric oxide in mitochondria and lysosomes of living cells with N-Nitrosation of BODIPY-based fluorescent probes. Analytica Chimica Acta, 2019, 1067, 88-97.	5.4	27
48	Development of Lysosomeâ€Targeted Fluorescent Probes for Cys by Regulating the Boronâ€dipyrromethene (BODIPY) Molecular Structure. Chemistry - A European Journal, 2019, 25, 11246-11256.	3.3	26
49	Resorufin-based fluorescent probe with elevated water solubility for visualizing fluctuant peroxynitrite in progression of inflammation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 267, 120620.	3.9	25
50	A highly selective turn-on fluorescent chemosensor for Al3+ imaging in living cells via through-bond energy transfer. RSC Advances, 2013, 3, 21033.	3.6	24
51	In Vivo Fate of Biomimetic Mixed Micelles as Nanocarriers for Bioavailability Enhancement of Lipidâ€“Drug Conjugates. ACS Biomaterials Science and Engineering, 2017, 3, 2399-2409.	5.2	24
52	Frontispiece: Development of Lysosomeâ€Targeted Fluorescent Probes for Cys by Regulating the Boronâ€dipyrromethene (BODIPY) Molecular Structure. Chemistry - A European Journal, 2019, 25, .	3.3	23
53	Effect of particle size on the pharmacokinetics and biodistribution of parenteral nanoemulsions. International Journal of Pharmaceutics, 2020, 586, 119551.	5.2	23
54	Azetidine-Containing Heterospirocycles Enhance the Performance of Fluorophores. Organic Letters, 2020, 22, 4413-4417.	4.6	22

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55	Gastrointestinal lipolysis and trans-epithelial transport of SMEDDS via oral route. Acta Pharmaceutica Sinica B, 2021, 11, 1010-1020.	12.0	22
56	Study on microwaveâ€accelerated casein protein grafted with glucose and Î²â€cyclodextrin to improve the gel properties. International Journal of Food Science and Technology, 2015, 50, 1429-1435.	2.7	21
57	A near-infrared BODIPY-based fluorescent probe for the detection of hydrogen sulfide in fetal bovine serum and living cells. RSC Advances, 2016, 6, 51304-51309.	3.6	21
58	InÂvivo dissolution of poorly water-soluble drugs: Proof of concept based on fluorescence bioimaging. Acta Pharmaceutica Sinica B, 2021, 11, 1056-1068.	12.0	21
59	Effect of Resistant Starch and Inulin on the Properties of Imitation Mozzarella Cheese. International Journal of Food Properties, 2016, 19, 159-171.	3.0	20
60	A water-soluble BODIPY-based fluorescent probe for rapid and selective detection of hypochlorous acid in living cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 219, 569-575.	3.9	20
61	Discovery of an Amino Acid-Modified Near-Infrared Aza-BODIPY Photosensitizer as an Immune Initiator for Potent Photodynamic Therapy in Melanoma. Journal of Medicinal Chemistry, 2022, 65, 3616-3631.	6.4	20
62	One-Pot Synthesis of Novel Photochromic Oxazine Compounds. Organic Letters, 2011, 13, 5084-5087.	4.6	19
63	Two-channel responsive fluorescent probe of meso carboxylate of BODIPY with AIE characteristics for fast detection of palladium. Dyes and Pigments, 2019, 170, 107656.	3.7	19
64	Design, synthesis and biological evaluation of novel, orally bioavailable pyrimidine-fused heterocycles as influenza PB2 inhibitors. European Journal of Medicinal Chemistry, 2019, 162, 249-265.	5.5	19
65	BODIPYâ€based Fluorescent Probe for Fast Detection of Hydrogen Sulfide and Lysosomeâ€targeting Applications in Living Cells. Chemistry - an Asian Journal, 2021, 16, 850-855.	3.3	19
66	A Turnâ€On Fluorescent Probe for Highly Selective and Sensitive Detection of Palladium. Chinese Journal of Chemistry, 2016, 34, 715-719.	4.9	17
67	Detecting Cysteine in Bioimaging with a Nearâ€Infrared Probe Based on a Novel Fluorescence Quenching Mechanism. ChemBioChem, 2020, 21, 3131-3136.	2.6	17
68	A resorufin-based red-emitting fluorescent probe with high selectivity for tracking endogenous peroxynitrite in living cells and inflammatory mice. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 252, 119502.	3.9	17
69	Accurate and sensitive probing of onset of micellization based on absolute aggregationâ€caused quenching effect. Aggregate, 2022, 3, .	9.9	16
70	Water-soluble BODIPY Derivative as a Highly Selective â€œTurn-onâ€•Fluorescent Probe for Hydrogen Sulfide in Living Cells. Chemistry Letters, 2015, 44, 1524-1526.	1.3	15
71	Design, synthesis, and biological evaluation of optimized phthalazine derivatives as hedgehog signaling pathway inhibitors. European Journal of Medicinal Chemistry, 2017, 138, 384-395.	5.5	15
72	Synthesis and evaluation of novel dimethylpyridazine derivatives as hedgehog signaling pathway inhibitors. Bioorganic and Medicinal Chemistry, 2018, 26, 3308-3320.	3.0	15

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73	A dual-response fluorescent probe for the discrimination of cysteine from glutathione and homocysteine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 206, 1-7.	3.9	15
74	Selective Detection and Visualization of Exogenous/endogenous Hypochlorous Acid in Living Cells using a BODIPYâ€based Redâ€emitting Fluorescent Probe. Chemistry - an Asian Journal, 2020, 15, 770-774.	3.3	15
75	Discovery of Meso-(meta-Pyridinium) BODIPY Photosensitizers: In Vitro and In Vivo Evaluations for Antimicrobial Photodynamic Therapy. Journal of Medicinal Chemistry, 2021, 64, 18143-18157.	6.4	15
76	Anchoring BODIPY photosensitizers enable pan-microbial photoinactivation. European Journal of Medicinal Chemistry, 2020, 199, 112361.	5.5	14
77	Discovery of novel potent and selective ligands for 5-HT2A receptor with quinazoline scaffold. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3970-3974.	2.2	13
78	Controlling Release of Integral Lipid Nanoparticles Based on Osmotic Pump Technology. Pharmaceutical Research, 2016, 33, 1988-1997.	3.5	13
79	Synthesis and evaluation of novel benzylphthalazine derivatives as hedgehog signaling pathway inhibitors. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3048-3051.	2.2	13
80	A Reactionâ€Based Fluorescent Probe for Imaging of Native Hypochlorous Acid. Chemistry - an Asian Journal, 2019, 14, 3893-3897.	3.3	13
81	Discovery of novel hydroxyamidine derivatives as indoleamine 2,3-dioxygenase 1 inhibitors with in vivo anti-tumor efficacy. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127038.	2.2	11
82	Mn3O4nanoparticles cause endoplasmic reticulum stress-dependent toxicity to Saccharomyces cerevisiae. RSC Advances, 2017, 7, 46028-46035.	3.6	10
83	Homopropargyl as a new recognition moiety of a fluorescent probe for detection of palladium in living cells. Analytical Methods, 2019, 11, 4093-4098.	2.7	10
84	How can aggregation-caused quenching based bioimaging of drug nanocarriers be improved?. Therapeutic Delivery, 2020, 11, 809-812.	2.2	9
85	Separation and purification of hypocholesterolaemic peptides from whey protein and their stability under simulated gastrointestinal digestion. International Journal of Dairy Technology, 2018, 71, 460-468.	2.8	8
86	Multifunctional silver nanowire coated fabric capable of electrothermal, resistance temperature-sensitivity, electromagnetic interference shielding, and strain sensing. Journal of Industrial Textiles, 2022, 51, 6153S-6172S.	2.4	8
87	A SIRPÎ±Fc Fusion Protein Conjugated With the Collagen-Binding Domain for Targeted Immunotherapy of Non-Small Cell Lung Cancer. Frontiers in Immunology, 2022, 13, 845217.	4.8	8
88	An Efficient Î±â€Alkylation of Aromatic Ketones with Primary Alcohols Catalyzed by [Cpâ*—ï¸rCl₂]₂ without Solvent. Chinese Journal of Chemistry, 2012, 30, 2363-2366.	4.9	7
89	A BODIPY-based NIR Probe for Detecting Mercury(II) in Solution and in Living Cells. Chemistry Letters, 2015, 44, 952-954.	1.3	7
90	Câ€“H Bond Functionalization of Tetrahydropyridopyrimidines and Other Related Hetereocycles. Journal of Organic Chemistry, 2017, 82, 13678-13685.	3.2	7

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91	L-4, a Well-Tolerated and Orally Active Inhibitor of Hedgehog Pathway, Exhibited Potent Anti-tumor Effects Against Medulloblastoma in vitro and in vivo. Frontiers in Pharmacology, 2019, 10, 89.	3.5	7
92	A series of meso amide BODIPY based lysosome-targeting fluorescent probe with high photostability and sensitivity. Analytica Chimica Acta, 2022, 1205, 339771.	5.4	7
93	An activatable fluorescent probe for monitoring the up-regulation of peroxynitrite in drug-induced hepatotoxicity model. Dyes and Pigments, 2022, 203, 110341.	3.7	7
94	Reply to Comment on â€œWater-Soluble Fluorescent Probe with Dual Mitochondria/Lysosome Targetability Superoxide Detection in Live Cells and in Zebrafish Embryosâ€• ACS Sensors, 2019, 4, 3084-3087.	7.8	5
95	One-Pot Process for Synthesis of Nalbuphine Hydrochloride and Impurity Control Strategy. Organic Process Research and Development, 2020, 24, 1707-1717.	2.7	5
96	BODIPY-based Fluorescent Probe for the Detection of Cysteine in Living Cells. Analytical Sciences, 2020, 36, 1317-1322.	1.6	5
97	Development of environment-insensitive and highly emissive BODIPYs via installation of N,N'-dialkylsubstituted amide at meso position. Chinese Chemical Letters, 2022, 33, 4175-4178.	9.0	5
98	Imitation Cheese Manufacture Using Rapid Visco-Analyzer and Its Optimization. International Journal of Food Properties, 2016, 19, 1053-1064.	3.0	3
99	Three asymmetric BODIPY derivatives as fluorescent probes for highly selective and sensitive detection of cysteine in living cells. Analytical Methods, 2021, 13, 2908-2914.	2.7	3
100	Design, Synthesis and Biological Evaluation of Novel 1,2,5-Oxadiazol-3- Carboximidamide Derivatives as Indoleamine 2, 3-Dioxygenase 1 (IDO1) Inhibitors. Anti-Cancer Agents in Medicinal Chemistry, 2020, 20, 1592-1603.	1.7	3
101	Red-emitting Fluorescent Probe for Visualizing Endogenous Peroxynitrite in Live Cells and Inflamed Mouse Model. Journal of Molecular Structure, 2022, 1265, 133443.	3.6	3
102	National costume image retrieval based on integrated region matching. , 2017, , .		2
103	Antifungal effect of a new photosensitizer derived from BODIPY on Candida albicans biofilms. Photodiagnosis and Photodynamic Therapy, 2022, 39, 102946.	2.6	2
104	Chemotherapy: Amino Acid Metabolism Abnormity and Microenvironment Variation Mediated Targeting and Controlled Glioma Chemotherapy (Small 40/2016). Small, 2016, 12, 5510-5510.	10.0	1
105	Frontispiece: BODIPYâ€Based Fluorescent Probes for Biothiols. Chemistry - A European Journal, 2020, 26, .	3.3	1