Weili Zhao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2109012/publications.pdf

Version: 2024-02-01

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	Endogenous peroxynitrite activated fluorescent probe for revealing antiâ€tuberculosis drug induced hepatotoxicity. Chinese Chemical Letters, 2022, 33, 1584-1588.	9.0	36
2	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
3	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
4	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
5	Accurate and sensitive probing of onset of micellization based on absolute aggregationâ€caused quenching effect. Aggregate, 2022, 3, .	9.9	16
6	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
7	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
8	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
9	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
10	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
11	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
12	Antifungal effect of a new photosensitizer derived from BODIPY on Candida albicans biofilms. Photodiagnosis and Photodynamic Therapy, 2022, 39, 102946.	2.6	2
13	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
14	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
15	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
16	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
17	Gastrointestinal lipolysis and trans-epithelial transport of SMEDDS via oral route. Acta Pharmaceutica Sinica B, 2021, 11, 1010-1020.	12.0	22
18	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

#	Article	IF	Citations
19	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
20	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
21	How can aggregation-caused quenching based bioimaging of drug nanocarriers be improved?. Therapeutic Delivery, 2020, 11, 809-812.	2.2	9
22	BODIPYâ€Based Fluorescent Probes for Biothiols. Chemistry - A European Journal, 2020, 26, 4172-4192.	3.3	155
23	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
24	One-Pot Process for Synthesis of Nalbuphine Hydrochloride and Impurity Control Strategy. Organic Process Research and Development, 2020, 24, 1707-1717.	2.7	5
25	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
26	The biological fate of orally administered mPEG-PDLLA polymeric micelles. Journal of Controlled Release, 2020, 327, 725-736.	9.9	39
27	Anchoring BODIPY photosensitizers enable pan-microbial photoinactivation. European Journal of Medicinal Chemistry, 2020, 199, 112361.	5.5	14
28	Azetidine-Containing Heterospirocycles Enhance the Performance of Fluorophores. Organic Letters, 2020, 22, 4413-4417.	4.6	22
29	Effect of particle size on the pharmacokinetics and biodistribution of parenteral nanoemulsions. International Journal of Pharmaceutics, 2020, 586, 119551.	5.2	23
30	Detecting Cysteine in Bioimaging with a Nearâ€Infrared Probe Based on a Novel Fluorescence Quenching Mechanism. ChemBioChem, 2020, 21, 3131-3136.	2.6	17
31	BODIPY-based Fluorescent Probe for the Detection of Cysteine in Living Cells. Analytical Sciences, 2020, 36, 1317-1322.	1.6	5
32	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
33	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
34	Frontispiece: BODIPYâ€Based Fluorescent Probes for Biothiols. Chemistry - A European Journal, 2020, 26, .	3.3	1
35	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
36	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

#	Article	IF	Citations
37	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
38	A Reactionâ€Based Fluorescent Probe for Imaging of Native Hypochlorous Acid. Chemistry - an Asian Journal, 2019, 14, 3893-3897.	3.3	13
39	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
40	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
41	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
42	Instantaneous fluorescent probe for the specific detection of H2S. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 213, 416-422.	3.9	37
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	A series of BODIPY-based probes for the detection of cysteine and homocysteine in living cells. Talanta, 2019, 195, 281-289.	5.5	71
52	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
53	Biomimetic thiamine- and niacin-decorated liposomes for enhanced oral delivery of insulin. Acta Pharmaceutica Sinica B, 2018, 8, 97-105.	12.0	48
54	Overcoming the resistance mechanisms of Smoothened inhibitors. Drug Discovery Today, 2018, 23, 704-710.	6.4	41

#	Article	IF	Citations
55	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
56	Synthesis and evaluation of novel dimethylpyridazine derivatives as hedgehog signaling pathway inhibitors. Bioorganic and Medicinal Chemistry, 2018, 26, 3308-3320.	3.0	15
57	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
58	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
59	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
60	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
61	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
62	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
63	Tracking translocation of self-discriminating curcumin hybrid nanocrystals following intravenous delivery. International Journal of Pharmaceutics, 2018, 546, 10-19.	5.2	34
64	Visual validation of the measurement of entrapment efficiency of drug nanocarriers. International Journal of Pharmaceutics, 2018, 547, 395-403.	5.2	55
65	The in vivo fate of nanocrystals. Drug Discovery Today, 2017, 22, 744-750.	6.4	88
66	Size-Dependent Translocation of Nanoemulsions via Oral Delivery. ACS Applied Materials & Interfaces, 2017, 9, 21660-21672.	8.0	82
67	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
68	Evidence of nose-to-brain delivery of nanoemulsions: cargoes but not vehicles. Nanoscale, 2017, 9, 1174-1183.	5.6	140
69	Efficient and longâ€life green lightâ€emitting diodes comprising tridentate thiol capped quantum dots. Laser and Photonics Reviews, 2017, 11, 1600227.	8.7	67
70	Mn3O4nanoparticles cause endoplasmic reticulum stress-dependent toxicity to Saccharomyces cerevisiae. RSC Advances, 2017, 7, 46028-46035.	3.6	10
71	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
72	Câ€“H Bond Functionalization of Tetrahydropyridopyrimidines and Other Related Hetereocycles. Journal of Organic Chemistry, 2017, 82, 13678-13685.	3.2	7

#	Article	IF	Citations
73	Bioimaging of nanoparticles: the crucial role of discriminating nanoparticles from free probes. Drug Discovery Today, 2017, 22, 382-387.	6.4	53
74	In vivo fate of lipid-based nanoparticles. Drug Discovery Today, 2017, 22, 166-172.	6.4	60
75	National costume image retrieval based on integrated region matching. , 2017, , .		2
76	Size-dependent penetration of nanoemulsions into epidermis and hair follicles: implications for transdermal delivery and immunization. Oncotarget, 2017, 8, 38214-38226.	1.8	94
77	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
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 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
81	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
82	Amino Acid Metabolism Abnormity and Microenvironment Variation Mediated Targeting and Controlled Glioma Chemotherapy. Small, 2016, 12, 5633-5645.	10.0	27
83	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
84	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
85	A Turnâ€On Fluorescent Probe for Highly Selective and Sensitive Detection of Palladium. Chinese Journal of Chemistry, 2016, 34, 715-719.	4.9	17
86	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
87	Imitation Cheese Manufacture Using Rapid Visco-Analyzer and Its Optimization. International Journal of Food Properties, 2016, 19, 1053-1064.	3.0	3
88	A BODIPY-based NIR Probe for Detecting Mercury(II) in Solution and in Living Cells. Chemistry Letters, 2015, 44, 952-954.	1.3	7
89	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
90	Dual emission channels for sensitive discrimination of Cys/Hcy and GSH in plasma and cells. Chemical Communications, 2015, 51, 4245-4248.	4.1	161

#	Article	IF	Citations
91	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
92	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
93	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
94	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
95	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
96	A turn-on NIR fluorescent probe for the detection of homocysteine over cysteine. RSC Advances, 2014, 4, 54080-54083.	3.6	46
97	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
98	Development of non-symmetric thiophene-fused BODIPYs. Tetrahedron, 2012, 68, 9795-9801.	1.9	42
99	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
100	Development of Mono- and Di-AcO Substituted BODIPYs on the Boron Center. Organic Letters, 2012, 14, 248-251.	4.6	57
101	A NIR BODIPY dye bearing 3,4,4a-trihydroxanthene moieties. Organic and Biomolecular Chemistry, 2012, 10, 6861.	2.8	61
102	A selective fluorescent turn-on NIR probe for cysteine. Organic and Biomolecular Chemistry, 2012, 10, 1966.	2.8	94
103	One-Pot Synthesis of Novel Photochromic Oxazine Compounds. Organic Letters, 2011, 13, 5084-5087.	4.6	19
104	Conformationally Restricted Aza-BODIPY: Highly Fluorescent, Stable Near-Infrared Absorbing Dyes. Chemistry - A European Journal, 2006, 12, 7254-7263.	3.3	250
105	Conformationally Restricted Aza-Bodipy: A Highly Fluorescent, Stable, Near-Infrared-Absorbing Dye. Angewandte Chemie - International Edition, 2005, 44, 1677-1679.	13.8	258