

# Jian Zhang

## List of Publications by Year in descending order

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53  
papers

2,680  
citations

186265

28  
h-index

182427

51  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2357  
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical review on semitransparent organic solar cells. <i>Nano Energy</i> , 2020, 78, 105376.	16.0	247
2	High-efficiency and air stable fullerene-free ternary organic solar cells. <i>Nano Energy</i> , 2018, 45, 177-183.	16.0	193
3	Ternary Nonfullerene Polymer Solar Cells with a Power Conversion Efficiency of 11.6% by Inheriting the Advantages of Binary Cells. <i>ACS Energy Letters</i> , 2018, 3, 555-561.	17.4	161
4	BODIPY-Based Fluorescent Probes for Biothiols. <i>Chemistry - A European Journal</i> , 2020, 26, 4172-4192.	3.3	155
5	Highly Selective and Sensitive 1-Amino BODIPY-Based Red Fluorescent Probe for Thiophenols with High Off-to-On Contrast Ratio. <i>Analytical Chemistry</i> , 2015, 87, 399-405.	6.5	111
6	Over 17.7% efficiency ternary-blend organic solar cells with low energy-loss and good thickness-tolerance. <i>Chemical Engineering Journal</i> , 2022, 428, 129276.	12.7	110
7	A mitochondria-targeted turn-on fluorescent probe for the detection of glutathione in living cells. <i>Biosensors and Bioelectronics</i> , 2016, 85, 164-170.	10.1	104
8	Smart Ternary Strategy in Promoting the Performance of Polymer Solar Cells Based on Bulk Heterojunction or Layer-by-Layer Structure. <i>Small</i> , 2022, 18, e2104215.	10.0	100
9	Pyridinium substituted BODIPY as NIR fluorescent probe for simultaneous sensing of hydrogen sulphide/glutathione and cysteine/homocysteine. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 1076-1082.	7.8	98
10	A selective fluorescent turn-on NIR probe for cysteine. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1966.	2.8	94
11	Ternary Organic Photovoltaic Cells Exhibiting 17.59% Efficiency with Two Compatible Y6 Derivations as Acceptor. <i>Solar Rrl</i> , 2021, 5, 2100007.	5.8	81
12	A Critical Review on Efficient Thick-Film Organic Solar Cells. <i>Solar Rrl</i> , 2020, 4, 2000364.	5.8	80
13	A series of BODIPY-based probes for the detection of cysteine and homocysteine in living cells. <i>Talanta</i> , 2019, 195, 281-289.	5.5	71
14	Meso-heteroaryl BODIPY dyes as dual-responsive fluorescent probes for discrimination of Cys from Hcy and GSH. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 861-869.	7.8	68
15	Development of Mono- and Di-AcO Substituted BODIPYs on the Boron Center. <i>Organic Letters</i> , 2012, 14, 248-251.	4.6	57
16	Smart Strategy: Transparent Hole-Transporting Polymer as a Regulator to Optimize Photomultiplication-type Polymer Photodetectors. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 21565-21572.	8.0	55
17	Near-Infrared Fluorescent Probe with a Large Stokes Shift for Detection of Hydrogen Sulfide in Food Spoilage, Living Cells, and Zebrafish. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3047-3055.	5.2	55
18	Over 17.6% Efficiency Organic Photovoltaic Devices with Two Compatible Polymer Donors. <i>Solar Rrl</i> , 2021, 5, 2100175.	5.8	49

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19	Meso-pyridinium substituted BODIPY dyes as mitochondria-targeted probes for the detection of cysteine in living cells and in vivo. <i>Dyes and Pigments</i> , 2021, 187, 109089.	3.7	48
20	Over 17% Efficiency of Ternary Organic Photovoltaics Employing Two Acceptors with an Acceptorâ€œDonorâ€œAcceptor Configuration. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 57684-57692.	8.0	47
21	A turn-on NIR fluorescent probe for the detection of homocysteine over cysteine. <i>RSC Advances</i> , 2014, 4, 54080-54083.	3.6	46
22	Highly sensitive all-polymer photodetectors with ultraviolet-visible to near-infrared photo-detection and their application as an optical switch. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5349-5355.	5.5	45
23	Organic photovoltaics with 300 nm thick ternary active layers exhibiting 15.6% efficiency. <i>Journal of Materials Chemistry C</i> , 2021, 9, 9892-9898.	5.5	43
24	Diketopyrrolopyrrole-based sensor for over-expressed peroxynitrite in drug-induced hepatotoxicity via ratiometric fluorescence imaging. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 130992.	7.8	38
25	Endogenous peroxynitrite activated fluorescent probe for revealing antiâ€œtuberculosis drug induced hepatotoxicity. <i>Chinese Chemical Letters</i> , 2022, 33, 1584-1588.	9.0	36
26	BODIPY-based turn-on fluorescent probes for cysteine and homocysteine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 203, 77-84.	3.9	35
27	A BODIPY-based dual-responsive turn-on fluorescent probe for NO and nitrite. <i>Dyes and Pigments</i> , 2018, 155, 276-283.	3.7	34
28	A flavone-based turn-on fluorescent probe for intracellular cysteine/homocysteine sensing with high selectivity. <i>Talanta</i> , 2016, 146, 41-48.	5.5	29
29	Recent development of reactional small-molecule fluorescent probes based on resorufin. <i>Dyes and Pigments</i> , 2021, 191, 109351.	3.7	29
30	BODIPY-based near-infrared fluorescent probe for diagnosis drug-induced liver injury via imaging of HClO in cells and in vivo. <i>Dyes and Pigments</i> , 2022, 199, 110073.	3.7	29
31	A ratiometric fluorescent BODIPY-based probe for rapid and highly sensitive detection of cysteine in human plasma. <i>Analyst</i> , The, 2018, 143, 5728-5735.	3.5	27
32	Development of Lysosomeâ€œTargeted Fluorescent Probes for Cys by Regulating the Boronâ€œdipyrromethene (BODIPY) Molecular Structure. <i>Chemistry - A European Journal</i> , 2019, 25, 11246-11256.	3.3	26
33	Resorufin-based fluorescent probe with elevated water solubility for visualizing fluctuant peroxynitrite in progression of inflammation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 267, 120620.	3.9	25
34	Frontispiece: Development of Lysosomeâ€œTargeted Fluorescent Probes for Cys by Regulating the Boronâ€œdipyrromethene (BODIPY) Molecular Structure. <i>Chemistry - A European Journal</i> , 2019, 25, .	3.3	23
35	A near-infrared BODIPY-based fluorescent probe for the detection of hydrogen sulfide in fetal bovine serum and living cells. <i>RSC Advances</i> , 2016, 6, 51304-51309.	3.6	21
36	A water-soluble BODIPY-based fluorescent probe for rapid and selective detection of hypochlorous acid in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 219, 569-575.	3.9	20

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37	BODIPY-based Fluorescent Probe for Fast Detection of Hydrogen Sulfide and Lysosome-targeting Applications in Living Cells. <i>Chemistry - an Asian Journal</i> , 2021, 16, 850-855.	3.3	19
38	Intracellular endogenous glutathione detection and imaging by a simple and sensitive spectroscopic off-on probe. <i>Analyst, The</i> , 2018, 143, 2390-2396.	3.5	18
39	A Turn-On Fluorescent Probe for Highly Selective and Sensitive Detection of Palladium. <i>Chinese Journal of Chemistry</i> , 2016, 34, 715-719.	4.9	17
40	Detecting Cysteine in Bioimaging with a Near-Infrared Probe Based on a Novel Fluorescence Quenching Mechanism. <i>ChemBioChem</i> , 2020, 21, 3131-3136.	2.6	17
41	A resorufin-based red-emitting fluorescent probe with high selectivity for tracking endogenous peroxynitrite in living cells and inflammatory mice. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 252, 119502.	3.9	17
42	Water-soluble BODIPY Derivative as a Highly Selective Turn-on Fluorescent Probe for Hydrogen Sulfide in Living Cells. <i>Chemistry Letters</i> , 2015, 44, 1524-1526.	1.3	15
43	A dual-response fluorescent probe for the discrimination of cysteine from glutathione and homocysteine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 206, 1-7.	3.9	15
44	Selective Detection and Visualization of Exogenous/endogenous Hypochlorous Acid in Living Cells using a BODIPY-based Red-emitting Fluorescent Probe. <i>Chemistry - an Asian Journal</i> , 2020, 15, 770-774.	3.3	15
45	A Reaction-Based Fluorescent Probe for Imaging of Native Hypochlorous Acid. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3893-3897.	3.3	13
46	Homopropargyl as a new recognition moiety of a fluorescent probe for detection of palladium in living cells. <i>Analytical Methods</i> , 2019, 11, 4093-4098.	2.7	10
47	Two Y6 Derivations with Similar Chemical Structure As One Alloyed Acceptor Enable Efficient Ternary-Blend Polymer Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 11761-11768.	5.1	8
48	An activatable fluorescent probe for monitoring the up-regulation of peroxynitrite in drug-induced hepatotoxicity model. <i>Dyes and Pigments</i> , 2022, 203, 110341.	3.7	7
49	An activatable reporter for fluorescence imaging drug-induced liver injury in diverse cell lines and in vivo. <i>Dyes and Pigments</i> , 2022, 203, 110345.	3.7	7
50	BODIPY-based Fluorescent Probe for the Detection of Cysteine in Living Cells. <i>Analytical Sciences</i> , 2020, 36, 1317-1322.	1.6	5
51	Three asymmetric BODIPY derivatives as fluorescent probes for highly selective and sensitive detection of cysteine in living cells. <i>Analytical Methods</i> , 2021, 13, 2908-2914.	2.7	3
52	Red-emitting Fluorescent Probe for Visualizing Endogenous Peroxynitrite in Live Cells and Inflamed Mouse Model. <i>Journal of Molecular Structure</i> , 2022, 1265, 133443.	3.6	3
53	Frontispiece: BODIPY-Based Fluorescent Probes for Biothiols. <i>Chemistry - A European Journal</i> , 2020, 26, .	3.3	1