Longwei He

List of Publications by Year
in descending order

38 papers	4,763 citations	236833 25 h-index	289141 40 g-index
40 all docs	40 docs citations	40 times ranked	5045 citing authors

#	Article	IF	Citations
1	Far-red to near infrared analyte-responsive fluorescent probes based on organic fluorophore platforms for fluorescence imaging. Chemical Society Reviews, 2013, 42, 622-661.	18.7	1,634
2	A Unique Approach to Development of Near-Infrared Fluorescent Sensors for in Vivo Imaging. Journal of the American Chemical Society, 2012, 134, 13510-13523.	6.6	563
3	Fluorescent chemosensors manipulated by dual/triple interplaying sensing mechanisms. Chemical Society Reviews, 2016, 45, 6449-6461.	18.7	363
4	A near-infrared fluorescent turn-on probe for fluorescence imaging of hydrogen sulfide in living cells based on thiolysis of dinitrophenyl ether. Chemical Communications, 2012, 48, 10529.	2.2	277
5	A multi-signal fluorescent probe for simultaneously distinguishing and sequentially sensing cysteine/homocysteine, glutathione, and hydrogen sulfide in living cells. Chemical Science, 2017, 8, 6257-6265.	3.7	227
6	A Near-Infrared Fluorescence Turn-On Sensor for Sulfide Anions. Organic Letters, 2011, 13, 4716-4719.	2.4	188
7	Coumarin-Based Turn-On Fluorescence Probe for Specific Detection of Glutathione over Cysteine and Homocysteine. ACS Applied Materials & Interfaces, 2015, 7, 12809-12813.	4.0	135
8	A fast responsive two-photon fluorescent probe for imaging H2O2 in lysosomes with a large turn-on fluorescence signal. Biosensors and Bioelectronics, 2016, 79, 237-243.	5.3	123
9	Mitochondria and lysosome-targetable fluorescent probes for HOCl: recent advances and perspectives. Journal of Materials Chemistry B, 2018, 6, 1716-1733.	2.9	122
10	Improved Aromatic Substitutionâ€“Rearrangement-Based Ratiometric Fluorescent Cysteine-Specific Probe and Its Application of Real-Time Imaging under Oxidative Stress in Living Zebrafish. Analytical Chemistry, 2017, 89, 9567-9573.	3.2	109
11	A ratiometric fluorescent formaldehyde probe for bioimaging applications. Chemical Communications, 2016, 52, 4029-4032.	2.2	107
12	A new strategy to construct a FRET platform for ratiometric sensing of hydrogen sulfide. Chemical Communications, 2015, 51, 1510-1513.	2.2	105
13	An ultra-fast illuminating fluorescent probe for monitoring formaldehyde in living cells, shiitake mushrooms, and indoors. Chemical Communications, 2016, 52, 9582-9585.	2.2	98
14	A Unique Family of Rigid Analogues of the GFP Chromophore with Tunable Twoâ€Photon Action Crossâ€Sections for Biological Imaging. Angewandte Chemie - International Edition, 2013, 52, 10018-10022.	7.2	92
15	A dual-site two-photon fluorescent probe for visualizing lysosomes and tracking lysosomal hydrogen sulfide with two different sets of fluorescence signals in the living cells and mouse liver tissues. Chemical Communications, 2016, 52, 7016-7019.	2.2	70
16	Rational Design of a Rigid Fluorophoreâ€“Molecular Rotor-Based Probe for High Signal-to-Background Ratio Detection of Sulfur Dioxide in Viscous System. Analytical Chemistry, 2019, 91, 15220-15228.	3.2	43
17	A Unique Type of Pyrrole-Based Cyanine Fluorophores with Turn-on and Ratiometric Fluorescence Signals at Different pH Regions for Sensing pH in Enzymes and Living Cells. ACS Applied Materials & Interfaces, 2014, 6, 22326-22333.	4.0	40
18	A multifunctional logic gate by means of a triple-chromophore fluorescent biothiol probe with diverse fluorescence signal patterns. Chemical Communications, 2017, 53, 13168-13171.	2.2	39

#	Article	IF	Citations
19	A fluorescent dyad with large emission shift for discrimination of cysteine/homocysteine from glutathione and hydrogen sulfide and the application of bioimaging. Analytica Chimica Acta, 2017, 981, 86-93.	2.6	37
20	A simple and effective â€œcappingâ€•approach to readily tune the fluorescence of near-infrared cyanines. Chemical Science, 2015, 6, 4530-4536.	3.7	34
21	A mitochondria-targeted fluorescent probe for imaging endogenous malondialdehyde in HeLa cells and onion tissues. Chemical Communications, 2017, 53, 4080-4083.	2.2	34
22	A ratiometric fluorescent hydrogen peroxide chemosensor manipulated by an ICT-activated FRET mechanism and its bioimaging application in living cells and zebrafish. Analyst, The, 2018, 143, 3555-3559.	1.7	34
23	Fluorescence behavior of a unique two-photon fluorescent probe in aggregate and solution states and highly sensitive detection of RNA in water solution and living systems. Chemical Communications, 2016, 52, 8838-8841.	2.2	33
24	The development of an ICT-based formaldehyde-responsive fluorescence turn-on probe with a high signal-to-noise ratio. New Journal of Chemistry, 2018, 42, 12361-12364.	1.4	33
25	Colorimetric and ratiometric fluorescent probe for hydrogen sulfide using a coumarinâ€“pyronine FRET dyad with a large emission shift. Analytical Methods, 2016, 8, 8022-8027.	1.3	32
26	Broadband Lightâ€Harvesting Molecular Triads with High FRET Efficiency Based on the Coumarinâ€“Rhodamineâ€“BODIPY Platform. Chemistry - A European Journal, 2015, 21, 12181-12187.	1.7	24
27	A turn-on fluorescent formaldehyde probe regulated by combinational PET and ICT mechanisms for bioimaging applications. Analytical Methods, 2018, 10, 2963-2967.	1.3	24
28	A PET-based turn-on fluorescent probe for sensitive detection of thiols and H₂S and its bioimaging application in living cells, tissues and zebrafish. New Journal of Chemistry, 2019, 43, 2865-2869.	1.4	23
29	A highly selective ratiometric molecular probe for imaging peroxynitrite during drug-induced acute liver injury. Journal of Materials Chemistry B, 2021, 9, 8246-8252.	2.9	18
30	An ICT-Based Hydrogen Sulfide Sensor with Good Water Solubility for Fluorescence Imaging in Living Cells. Journal of Fluorescence, 2018, 28, 5-11.	1.3	16
31	A ratiometric fluorescent chemosensor for the convenient monitoring of hydrogen sulfide concentration by the dual fluorescence fluctuation mode of two distinct emission bands in living cells and zebrafish. New Journal of Chemistry, 2019, 43, 10926-10931.	1.4	15
32	Development of a mitochondria-targeted fluorescent probe for the ratiometric visualization of sulfur dioxide in living cells and zebrafish. Analytical Methods, 2019, 11, 3931-3935.	1.3	13
33	Recent Progresses in NIR-I/II Fluorescence Imaging for Surgical Navigation. Frontiers in Bioengineering and Biotechnology, 2021, 9, 768698.	2.0	11
34	Molecular Fluorescent Probes for Liver Tumor Imaging. Chemistry - an Asian Journal, 2022, 17, .	1.7	10
35	Golgi-Targeting Fluorescent Probe for Monitoring CO-Releasing Molecule-3 In Vitro and In Vivo. ACS Omega, 2022, 7, 9929-9935.	1.6	10
36	Engineering a double-rotor-based fluorescent molecule to sensitively track mitochondrial viscosity in living cells and zebrafish with high signal-to-background ratio (S/B). Journal of Photochemistry and Photobiology A: Chemistry, 2020, 401, 112789.	2.0	7

#	Article	IF	Citations
37	A NIR-emissive probe with a remarkable Stokes shift for CO-releasing molecule-3 detection in cells andin vivo. Analyst, The, 2022, 147, 1169-1174.	1.7	4
38	Single Fluorescent Probe Distinguishes Hydrogen Peroxide and Nitric Oxide in Cell Imaging. Methods in Enzymology, 2013, 526, 83-106.	0.4	3