

# Longwei He

## List of Publications by Citations

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37  
papers

3,945  
citations

25  
h-index

40  
g-index

40  
ext. papers

4,366  
ext. citations

8.8  
avg, IF

5.71  
L-index

#	Paper	IF	Citations
37	Far-red to near infrared analyte-responsive fluorescent probes based on organic fluorophore platforms for fluorescence imaging. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 622-61	58.5	1404
36	A unique approach to development of near-infrared fluorescent sensors for in vivo imaging. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 13510-23	16.4	452
35	Fluorescent chemosensors manipulated by dual/triple interplaying sensing mechanisms. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 6449-6461	58.5	285
34	A near-infrared fluorescent turn-on probe for fluorescence imaging of hydrogen sulfide in living cells based on thiolysis of dinitrophenyl ether. <i>Chemical Communications</i> , <b>2012</b> , 48, 10529-31	5.8	258
33	A multi-signal fluorescent probe for simultaneously distinguishing and sequentially sensing cysteine/homocysteine, glutathione, and hydrogen sulfide in living cells. <i>Chemical Science</i> , <b>2017</b> , 8, 6257-6265	9.4	184
32	A near-infrared fluorescence turn-on sensor for sulfide anions. <i>Organic Letters</i> , <b>2011</b> , 13, 4716-9	6.2	177
31	Coumarin-Based Turn-On Fluorescence Probe for Specific Detection of Glutathione over Cysteine and Homocysteine. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 12809-13	9.5	125
30	A fast responsive two-photon fluorescent probe for imaging HOCl in lysosomes with a large turn-on fluorescence signal. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 237-43	11.8	108
29	A ratiometric fluorescent formaldehyde probe for bioimaging applications. <i>Chemical Communications</i> , <b>2016</b> , 52, 4029-32	5.8	95
28	A new strategy to construct a FRET platform for ratiometric sensing of hydrogen sulfide. <i>Chemical Communications</i> , <b>2015</b> , 51, 1510-3	5.8	92
27	Improved Aromatic Substitution-Rearrangement-Based Ratiometric Fluorescent Cysteine-Specific Probe and Its Application of Real-Time Imaging under Oxidative Stress in Living Zebrafish. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 9567-9573	7.8	89
26	A unique family of rigid analogues of the GFP chromophore with tunable two-photon action cross-sections for biological imaging. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 10018-22	16.4	88
25	Mitochondria and lysosome-targetable fluorescent probes for HOCl: recent advances and perspectives. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 1716-1733	7.3	79
24	An ultra-fast illuminating fluorescent probe for monitoring formaldehyde in living cells, shiitake mushrooms, and indoors. <i>Chemical Communications</i> , <b>2016</b> , 52, 9582-5	5.8	71
23	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. <i>Chemical Communications</i> , <b>2016</b> , 52, 7016-9	5.8	60
22	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. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 22326-33	9.5	38
21	A multifunctional logic gate by means of a triple-chromophore fluorescent biothiol probe with diverse fluorescence signal patterns. <i>Chemical Communications</i> , <b>2017</b> , 53, 13168-13171	5.8	33

20	A fluorescent dyad with large emission shift for discrimination of cysteine/homocysteine from glutathione and hydrogen sulfide and the application of bioimaging. <i>Analytica Chimica Acta</i> , <b>2017</b> , 981, 86-93	6.6	29
19	A simple and effective "capping" approach to readily tune the fluorescence of near-infrared cyanines. <i>Chemical Science</i> , <b>2015</b> , 6, 4530-4536	9.4	29
18	Colorimetric and ratiometric fluorescent probe for hydrogen sulfide using a coumarin $\pi$ -pyronine FRET dyad with a large emission shift. <i>Analytical Methods</i> , <b>2016</b> , 8, 8022-8027	3.2	27
17	Rational Design of a Rigid Fluorophore-Molecular Rotor-Based Probe for High Signal-to-Background Ratio Detection of Sulfur Dioxide in Viscous System. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 15220-15228	7.8	27
16	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. <i>Chemical Communications</i> , <b>2016</b> , 52, 8838-41	5.8	26
15	A ratiometric fluorescent hydrogen peroxide chemosensor manipulated by an ICT-activated FRET mechanism and its bioimaging application in living cells and zebrafish. <i>Analyst, The</i> , <b>2018</b> , 143, 3555-3559	5	26
14	A mitochondria-targeted fluorescent probe for imaging endogenous malondialdehyde in HeLa cells and onion tissues. <i>Chemical Communications</i> , <b>2017</b> , 53, 4080-4083	5.8	25
13	The development of an ICT-based formaldehyde-responsive fluorescence turn-on probe with a high signal-to-noise ratio. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 12361-12364	3.6	25
12	Broadband Light-Harvesting Molecular Triads with High FRET Efficiency Based on the Coumarin-Rhodamine-BODIPY Platform. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 12181-7	4.8	19
11	A PET-based turn-on fluorescent probe for sensitive detection of thiols and H <sub>2</sub> S and its bioimaging application in living cells, tissues and zebrafish. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 2865-2869	3.6	15
10	A turn-on fluorescent formaldehyde probe regulated by combinational PET and ICT mechanisms for bioimaging applications. <i>Analytical Methods</i> , <b>2018</b> , 10, 2963-2967	3.2	15
9	A Unique Family of Rigid Analogues of the GFP Chromophore with Tunable Two-Photon Action Cross-Sections for Biological Imaging. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 10202-10206	3.6	10
8	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. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 10926-10931	3.6	8
7	Development of a mitochondria-targeted fluorescent probe for the ratiometric visualization of sulfur dioxide in living cells and zebrafish. <i>Analytical Methods</i> , <b>2019</b> , 11, 3931-3935	3.2	8
6	Single fluorescent probe distinguishes hydrogen peroxide and nitric oxide in cell imaging. <i>Methods in Enzymology</i> , <b>2013</b> , 526, 83-106	1.7	2
5	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). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 401, 112789	4.7	2
4	A highly selective ratiometric molecular probe for imaging peroxynitrite during drug-induced acute liver injury. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 8246-8252	7.3	2
3	Molecular fluorescent probes for liver tumor imaging.. <i>Chemistry - an Asian Journal</i> , <b>2022</b> ,	4.5	1

- 2 Recent Progresses in NIR-I/II Fluorescence Imaging for Surgical Navigation. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 768698 5.8 ○
- 1 Golgi-Targeting Fluorescent Probe for Monitoring CO-Releasing Molecule-3 In Vitro and In Vivo.. *ACS Omega*, **2022**, 7, 9929-9935 3.9 ○