

# Longwei He

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Molecular fluorescent probes for liver tumor imaging.. <i>Chemistry - an Asian Journal</i> , <b>2022</b> ,	4.5	1
36	Golgi-Targeting Fluorescent Probe for Monitoring CO-Releasing Molecule-3 In Vitro and In Vivo.. <i>ACS Omega</i> , <b>2022</b> , 7, 9929-9935	3.9	0
35	Recent Progresses in NIR-I/II Fluorescence Imaging for Surgical Navigation. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 768698	5.8	0
34	A highly selective ratiometric molecular probe for imaging peroxyxynitrite during drug-induced acute liver injury. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 8246-8252	7.3	2
33	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
32	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
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. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 10926-10931	3.6	8
30	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
29	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
28	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
27	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
26	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
25	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 <sup>5</sup>		26
24	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
23	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
22	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
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 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
19	Colorimetric and ratiometric fluorescent probe for hydrogen sulfide using a coumarin-pyrynone FRET dyad with a large emission shift. <i>Analytical Methods</i> , <b>2016</b> , 8, 8022-8027	3.2	27
18	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
17	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
16	A ratiometric fluorescent formaldehyde probe for bioimaging applications. <i>Chemical Communications</i> , <b>2016</b> , 52, 4029-32	5.8	95
15	A fast responsive two-photon fluorescent probe for imaging H <sub>2</sub> O <sub>2</sub> in lysosomes with a large turn-on fluorescence signal. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 237-43	11.8	108
14	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
13	Fluorescent chemosensors manipulated by dual/triple interplaying sensing mechanisms. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 6449-6461	58.5	285
12	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
11	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
10	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
9	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
8	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
7	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
6	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
5	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
4	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
3	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

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| 2 | 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 |
| 1 | A near-infrared fluorescence turn-on sensor for sulfide anions. <i>Organic Letters</i> , <b>2011</b> , 13, 4716-9   | 6.2 | 177 |