Yonghe Tang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Development of fluorescent probes based on protection–deprotection of the key functional groups for biological imaging. Chemical Society Reviews, 2015, 44, 5003-5015.	38.1	356
2	Development of a Twoâ€Photon Fluorescent Probe for Imaging of Endogenous Formaldehyde in Living Tissues. Angewandte Chemie - International Edition, 2016, 55, 3356-3359.	13.8	279
3	A Unique "Integration―Strategy for the Rational Design of Optically Tunable Near-Infrared Fluorophores. Accounts of Chemical Research, 2017, 50, 1410-1422.	15.6	263
4	Dual Site-Controlled and Lysosome-Targeted Intramolecular Charge Transfer–Photoinduced Electron Transfer–Fluorescence Resonance Energy Transfer Fluorescent Probe for Monitoring pH Changes in Living Cells. Analytical Chemistry, 2016, 88, 4085-4091.	6.5	220
5	Simultaneous Nearâ€Infrared and Twoâ€Photon In Vivo Imaging of H ₂ O ₂ Using a Ratiometric Fluorescent Probe based on the Unique Oxidative Rearrangement of Oxonium. Advanced Materials, 2016, 28, 8755-8759.	21.0	193
6	Strategies for designing organic fluorescent probes for biological imaging of reactive carbonyl species. Chemical Society Reviews, 2019, 48, 4036-4048.	38.1	146
7	Lysosome-Targeted Turn-On Fluorescent Probe for Endogenous Formaldehyde in Living Cells. Analytical Chemistry, 2016, 88, 9359-9363.	6.5	142
8	Coumarin-Based Turn-On Fluorescence Probe for Specific Detection of Glutathione over Cysteine and Homocysteine. ACS Applied Materials & amp; Interfaces, 2015, 7, 12809-12813.	8.0	135
9	Single near-infrared fluorescent probe with high- and low-sensitivity sites for sensing different concentration ranges of biological thiols with distinct modes of fluorescence signals. Chemical Science, 2016, 7, 1896-1903.	7.4	130
10	Recent progress in the fluorescent probes for the specific imaging of small molecular weight thiols in living cells. TrAC - Trends in Analytical Chemistry, 2016, 76, 166-181.	11.4	119
11	A biotin-guided formaldehyde sensor selectively detecting endogenous concentrations in cancerous cells and tissues. Chemical Communications, 2016, 52, 11247-11250.	4.1	96
12	Two-Photon and Deep-Red Emission Ratiometric Fluorescent Probe with a Large Emission Shift and Signal Ratios for Sulfur Dioxide: Ultrafast Response and Applications in Living Cells, Brain Tissues, and Zebrafishes. Analytical Chemistry, 2017, 89, 9388-9393.	6.5	91
13	Discriminating Live and Dead Cells in Dual-Color Mode with a Two-Photon Fluorescent Probe Based on ESIPT Mechanism. Analytical Chemistry, 2018, 90, 998-1005.	6.5	74
14	Rational Design of a Reversible Fluorescent Probe for Sensing Sulfur Dioxide/Formaldehyde in Living Cells, Zebrafish, and Living Mice. Analytical Chemistry, 2019, 91, 10723-10730.	6.5	70
15	A new fluorescent probe with a large turn-on signal for imaging nitroreductase in tumor cells and tissues by two-photon microscopy. Biosensors and Bioelectronics, 2017, 89, 853-858.	10.1	67
16	Hydrogen Sulfide Triggered Charge-Reversal Micelles for Cancer-Targeted Drug Delivery and Imaging. ACS Applied Materials & Interfaces, 2016, 8, 16227-16239.	8.0	60
17	Development of a two-photon fluorescent turn-on probe with far-red emission for thiophenols and its bioimaging application in living tissues. Biosensors and Bioelectronics, 2017, 95, 81-86.	10.1	56
18	A molecular recognition platform for the simultaneous sensing of diverse chemical weapons. Chemical Science, 2022, 13, 4523-4532.	7.4	55

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19	A turn-on endoplasmic reticulum-targeted two-photon fluorescent probe for hydrogen sulfide and bio-imaging applications in living cells, tissues, and zebrafish. Scientific Reports, 2017, 7, 12944.	3.3	49
20	Development of a mitochondrial-targeted two-photon fluorescence turn-on probe for formaldehyde and its bio-imaging applications in living cells and tissues. New Journal of Chemistry, 2018, 42, 8325-8329.	2.8	39
21	Endoplasmic reticulum-targeted two-photon turn-on fluorescent probe for nitroreductase in tumor cells and tissues. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 770-776.	3.9	35
22	A turn-on fluorescent probe for endogenous formaldehyde in the endoplasmic reticulum of living cells. Methods and Applications in Fluorescence, 2017, 5, 024005.	2.3	34
23	A new aggregation-induced emission fluorescent probe for rapid detection of nitroreductase and its application in living cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 188, 197-201.	3.9	31
24	Endogenous formaldehyde is a memory-related molecule in mice and humans. Communications Biology, 2019, 2, 446.	4.4	29
25	A multi-signal fluorescent probe for the discrimination of cysteine/homocysteine and glutathione and application in living cells and zebrafish. New Journal of Chemistry, 2018, 42, 12615-12620.	2.8	28
26	Development of a Twoâ€Photon Fluorescent Probe for Imaging of Endogenous Formaldehyde in Living Tissues. Angewandte Chemie, 2016, 128, 3417-3420.	2.0	25
27	A novel mitochondria-targeted near-infrared (NIR) probe for detection of viscosity changes in living cell, zebra fishes and living mice. Talanta, 2019, 204, 868-874.	5.5	25
28	Carrier-free nanoparticles of camptothecin prodrug for chemo-photothermal therapy: the making, in vitro and in vivo testing. Journal of Nanobiotechnology, 2021, 19, 350.	9.1	25
29	Preparation of robust fluorescent probes for tracking endogenous formaldehyde in living cells and mouse tissue slices. Nature Protocols, 2020, 15, 3499-3526.	12.0	24
30	A fast-responsive two-photon fluorescent turn-on probe for nitroreductase and its bioimaging application in living tissues. Sensors and Actuators B: Chemical, 2017, 252, 927-933.	7.8	22
31	An endoplasmic reticulum targetable turn-on fluorescence probe for imaging application of carbon monoxide in living cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119150.	3.9	16
32	Development of a two-photon turn-on fluorescent probe for cysteine and its bio-imaging applications in living cells, tissues, and zebrafish. New Journal of Chemistry, 2018, 42, 14075-14078.	2.8	14
33	A rapid and sensitive fluorescence method for detecting urine formaldehyde in patients with Alzheimer's disease. Annals of Clinical Biochemistry, 2019, 56, 210-218.	1.6	14
34	The development of a hemicyanine-based ratiometric CO fluorescent probe with a long emission wavelength and its applications for imaging CO <i>in vitro</i> and <i>in vivo</i> . New Journal of Chemistry, 2020, 44, 12107-12112.	2.8	10
35	A fluorogenic probe for detecting CO with the potential integration of diagnosis and therapy (IDT) for cancer. Sensors and Actuators B: Chemical, 2021, 344, 130245.	7.8	10
36	Carbon-induced effective lipid accumulation and self-flocculation for biofuel production of Tetradesmus obliquus FACHB-12. Journal of Cleaner Production, 2022, 355, 131813.	9.3	9

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37	Development of a Highly Selective Two-Photon Probe for Methylglyoxal and its Applications in Living Cells, Tissues, and Zebrafish. Journal of Fluorescence, 2019, 29, 155-163.	2.5	8
38	A novel cysteine fluorescent probe with large stokes shift for imaging in living cells, zebrafish and living mice. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 276, 121230.	3.9	6
39	Development of a Two-photon Ratiometric Fluorescent Probe for Glutathione and Its Applications in Living Cells. Chemical Research in Chinese Universities, 2018, 34, 523-527.	2.6	5
40	A photostable fluorescent probe for rapid monitoring and tracking of a trans-membrane process and mitochondrial fission and fusion dynamics. New Journal of Chemistry, 2016, 40, 3726-3731.	2.8	4
41	Preparation of a Two-Photon Fluorescent Probe for Imaging H2O2 in Lysosomes in Living Cells and Tissues. Methods in Molecular Biology, 2017, 1594, 129-139.	0.9	3
42	A novel fluorescent probe with large Stokes shift for the detection of viscosity changes and its imaging in living cells. Luminescence, 2022, 37, 1120-1125.	2.9	2
43	Synthesis and Study of Performance for An Enhanced Formaldehyde Fluorescent Probe. Chinese Journal of Organic Chemistry, 2022, 42, 1163.	1.3	2