

Huatang Zhang

List of Publications by Year in descending order

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39
papers

1,496
citations

361045

20
h-index

315357

38
g-index

39
all docs

39
docs citations

39
times ranked

1875
citing authors

#	ARTICLE	IF	CITATIONS
1	A minimalist fluorescent probe for differentiating Cys, Hcy and GSH in live cells. <i>Chemical Science</i> , 2016, 7, 256-260.	3.7	195
2	Reaction-Based Off-On Near-infrared Fluorescent Probe for Imaging Alkaline Phosphatase Activity in Living Cells and Mice. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6796-6803.	4.0	127
3	A highly selective and sensitive fluorescent thiol probe through dual-reactive and dual-quenching groups. <i>Chemical Communications</i> , 2015, 51, 2029-2032.	2.2	101
4	A FRET-based Ratiometric Fluorescent Probe for Nitroxyl Detection in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5438-5443.	4.0	89
5	A reaction-based near-infrared fluorescent sensor for Cu ²⁺ detection in aqueous buffer and its application in living cells and tissues imaging. <i>Biosensors and Bioelectronics</i> , 2017, 94, 24-29.	5.3	77
6	Fluorescent Probes for Single-Step Detection and Proteomic Profiling of Histone Deacetylases. <i>Journal of the American Chemical Society</i> , 2016, 138, 15596-15604.	6.6	67
7	A selective fluorescent probe for thiols based on α,β -unsaturated acyl sulfonamide. <i>Chemical Communications</i> , 2012, 48, 10672.	2.2	59
8	Construction of an alkaline phosphatase-specific two-photon probe and its imaging application in living cells and tissues. <i>Biomaterials</i> , 2017, 140, 220-229.	5.7	57
9	A highly selective two-photon fluorogenic probe for formaldehyde and its bioimaging application in cells and zebrafish. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 1050-1056.	4.0	54
10	An iminocoumarin benzothiazole-based fluorescent probe for imaging hydrogen sulfide in living cells. <i>Talanta</i> , 2015, 135, 149-154.	2.9	52
11	Ultra-sensitive fluorescent probes for hypochlorite acid detection and exogenous/endogenous imaging of living cells. <i>Chemical Communications</i> , 2018, 54, 7967-7970.	2.2	50
12	An ultra-sensitive and ratiometric fluorescent probe based on the DTBET process for Hg ²⁺ detection and imaging applications. <i>Analyst</i> , The, 2019, 144, 1353-1360.	1.7	43
13	Fluorescent probes for detecting monoamine oxidase activity and cell imaging. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2033.	1.5	41
14	A highly sensitive fluorescent probe for imaging hydrogen sulfide in living cells. <i>Tetrahedron Letters</i> , 2013, 54, 4826-4829.	0.7	37
15	A fast-response fluorescent probe for hypochlorous acid detection and its application in exogenous and endogenous HOCl imaging of living cells. <i>Chemical Communications</i> , 2017, 53, 12349-12352.	2.2	37
16	An ultra-sensitive ratiometric fluorescent probe for hypochlorous acid detection by the synergistic effect of AIE and TBET and its application of detecting exogenous/endogenous HOCl in living cells. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5125-5131.	2.9	36
17	Design and Synthesis of Near-infrared Fluorescent Probes for Imaging of Biological Nitroxyl. <i>Scientific Reports</i> , 2015, 5, 16979.	1.6	25
18	Reaction-based fluorescent and chemiluminescent probes for formaldehyde detection and imaging. <i>Chemical Communications</i> , 2022, 58, 1442-1453.	2.2	24

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19	Selective solid-phase extraction of trace mercury(II) using a silica gel modified with diethylenetriamine and thiourea. <i>Mikrochimica Acta</i> , 2012, 178, 421-428.	2.5	23
20	A general colorimetric method for detecting protease activity based on peptide-induced gold nanoparticle aggregation. <i>RSC Advances</i> , 2014, 4, 6560-6563.	1.7	23
21	Photoacoustic/Fluorescence Dual-Modality Probe for Biothiol Discrimination and Tumor Diagnosis in Cells and Mice. <i>ACS Sensors</i> , 2022, 7, 1105-1112.	4.0	23
22	An activity-based fluorescent probe and its application for differentiating alkaline phosphatase activity in different cell lines. <i>Chemical Communications</i> , 2020, 56, 13323-13326.	2.2	22
23	Controllable Cleavage of C-N Bond-Based Fluorescent and Photoacoustic Dual-Modal Probes for the Detection of H ₂ S in Living Mice. <i>ACS Applied Bio Materials</i> , 2021, 4, 2020-2025.	2.3	22
24	A thiol fluorescent probe reveals the intricate modulation of cysteine's reactivity by Cu(II). <i>Talanta</i> , 2016, 146, 477-482.	2.9	21
25	Upper critical solution temperature polymeric drug carriers. <i>Chemical Engineering Journal</i> , 2022, 432, 134354.	6.6	21
26	Microarray immobilization of biomolecules using a fast trans-cyclooctene (TCO)-tetrazine reaction. <i>Chemical Communications</i> , 2014, 50, 11818-11821.	2.2	19
27	Two quenching groups are better than one: A robust strategy for constructing HOCl fluorescent probe with minimized background fluorescence and ultra-high sensitivity and its application of HOCl imaging in living cells and tissues. <i>Sensors and Actuators B: Chemical</i> , 2020, 310, 127890.	4.0	19
28	Visualizing phase transition of upper critical solution temperature (UCST) polymers with AIE. <i>Science China Chemistry</i> , 2021, 64, 403-407.	4.2	19
29	AND logic gate based fluorescence probe for simultaneous detection of peroxyxynitrite and hypochlorous acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118073.	2.0	18
30	A pyrene-based ratiometric fluorescent probe with a large Stokes shift for selective detection of hydrogen peroxide in living cells. <i>Journal of Pharmaceutical Analysis</i> , 2020, 10, 490-497.	2.4	17
31	Hierarchical Multiscale Hydrogels with Identical Compositions Yet Disparate Properties via Tunable Phase Separation. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	17
32	Post-synthetic modification of polyvinyl alcohol with a series of N-alkyl-substituted carbamates towards thermo and CO ₂ -responsive polymers. <i>Polymer Chemistry</i> , 2017, 8, 5769-5779.	1.9	15
33	AIE-Active and Thermoresponsive Alternating Polyurethanes of Bile Acid and PEG for Cell Imaging. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2973-2980.	2.0	13
34	One-pot quaternization of dual-responsive poly(vinyl alcohol) with AIEgens for pH-switchable imaging and killing of bacteria. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2635-2645.	3.2	10
35	An activatable AIEgen probe for in-situ monitoring and long-term tracking of ferrous ions in living cells. <i>Dyes and Pigments</i> , 2021, 190, 109271.	2.0	10
36	Stimuli-controlled peptide self-assembly with secondary structure transitions and its application in drug release. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4664-4671.	3.2	5

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37	Polypseudorotaxanes Derived from Tetraphenylethylene: Preparation and Tandem-Activated Aggregation-Induced Emission. <i>Biomacromolecules</i> , 2021, 22, 2248-2255.	2.6	3
38	β-Amylase lighted aggregation-induced emission luminogens based self-healing hydrogels. <i>Polymer Chemistry</i> , 0, , .	1.9	3
39	Multiregulation of Aggregation-Induced Emission (AIE) via a Competitive Host-Guest Recognition and β-Amylase Hydrolyzing. <i>Macromolecular Chemistry and Physics</i> , 2022, 223, .	1.1	2