

Huimin

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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.

120
papers

8,050
citations

49
h-index

88
g-index

126
ext. papers

9,088
ext. citations

8.2
avg, IF

6.45
L-index

#	Paper	IF	Citations
120	Design strategies for water-soluble small molecular chromogenic and fluorogenic probes. <i>Chemical Reviews</i> , 2014 , 114, 590-659	68.1	1347
119	A tunable ratiometric pH sensor based on carbon nanodots for the quantitative measurement of the intracellular pH of whole cells. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6432-5	16.4	376
118	Lysosomal pH rise during heat shock monitored by a lysosome-targeting near-infrared ratiometric fluorescent probe. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10916-20	16.4	320
117	A highly selective and sensitive fluorescence probe for the hypochlorite anion. <i>Chemistry - A European Journal</i> , 2008 , 14, 4719-24	4.8	239
116	Rhodamine B thiolactone: a simple chemosensor for Hg ²⁺ in aqueous media. <i>Chemical Communications</i> , 2008 , 1856-8	5.8	222
115	4,5-dimethylthio-4R[2-(9-anthryloxy)ethylthio]tetrathiafulvalene, a highly selective and sensitive chemiluminescence probe for singlet oxygen. <i>Journal of the American Chemical Society</i> , 2004 , 126, 11543-8	16.4	211
114	In vivo monitoring of hydrogen sulfide using a cresyl violet-based ratiometric fluorescence probe. <i>Chemical Communications</i> , 2013 , 49, 502-4	5.8	199
113	HOCl can appear in the mitochondria of macrophages during bacterial infection as revealed by a sensitive mitochondrial-targeting fluorescent probe. <i>Chemical Science</i> , 2015 , 6, 4884-4888	9.4	190
112	Fluorescent carbon nanodots conjugated with folic acid for distinguishing folate-receptor-positive cancer cells from normal cells. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12568		173
111	Nitroreductase detection and hypoxic tumor cell imaging by a designed sensitive and selective fluorescent probe, 7-[(5-nitrofuran-2-yl)methoxy]-3H-phenoxazin-3-one. <i>Analytical Chemistry</i> , 2013 , 85, 3926-32	7.8	172
110	Rational design and bioimaging applications of highly selective fluorescence probes for hydrogen polysulfides. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7257-60	16.4	165
109	Spectroscopic probes with changeable E-conjugated systems. <i>Chemical Communications</i> , 2012 , 48, 8732-4	4.8	145
108	In vivo imaging and detection of nitroreductase in zebrafish by a new near-infrared fluorescence off-on probe. <i>Biosensors and Bioelectronics</i> , 2015 , 63, 112-116	11.8	137
107	Recognition Moieties of Small Molecular Fluorescent Probes for Bioimaging of Enzymes. <i>Accounts of Chemical Research</i> , 2019 , 52, 1892-1904	24.3	134
106	A highly specific ferrocene-based fluorescent probe for hypochlorous acid and its application to cell imaging. <i>Analyst</i> , 2010 , 135, 577-82	5	132
105	A simple fluorescent off-on probe for the discrimination of cysteine from glutathione. <i>Chemical Communications</i> , 2015 , 51, 9388-90	5.8	124
104	Distinguishing folate-receptor-positive cells from folate-receptor-negative cells using a fluorescence off-on nanoprobe. <i>Analytical Chemistry</i> , 2013 , 85, 6530-5	7.8	121

103	Observation of the Generation of ONOO in Mitochondria under Various Stimuli with a Sensitive Fluorescence Probe. <i>Analytical Chemistry</i> , 2017 , 89, 5519-5525	7.8	112
102	Ferroptosis Accompanied by OH Generation and Cytoplasmic Viscosity Increase Revealed via Dual-Functional Fluorescence Probe. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18301-18307	16.4	106
101	Imaging different interactions of mercury and silver with live cells by a designed fluorescence probe rhodamine B selenolactone. <i>Inorganic Chemistry</i> , 2010 , 49, 1206-10	5.1	103
100	A graphene oxide-peptide fluorescence sensor tailor-made for simple and sensitive detection of matrix metalloproteinase 2. <i>Chemical Communications</i> , 2011 , 47, 10680-2	5.8	97
99	An unprecedented strategy for selective and sensitive fluorescence detection of nitric oxide based on its reaction with a selenide. <i>Chemical Communications</i> , 2011 , 47, 8638-40	5.8	95
98	imaging of leucine aminopeptidase activity in drug-induced liver injury and liver cancer a near-infrared fluorescent probe. <i>Chemical Science</i> , 2017 , 8, 3479-3483	9.4	94
97	Direct chemiluminescence determination of cysteine in human serum using quinine-Ce(IV) system. <i>Talanta</i> , 2003 , 59, 959-64	6.2	79
96	A dual-function fluorescent probe for monitoring the degrees of hypoxia in living cells via the imaging of nitroreductase and adenosine triphosphate. <i>Chemical Communications</i> , 2018 , 54, 5454-5457	5.8	78
95	Hydrogen peroxide vapor sensing with organic core/sheath nanowire optical waveguides. <i>Advanced Materials</i> , 2012 , 24, OP194-9, OP186	24	77
94	Characterization of rhodamine B hydroxylamide as a highly selective and sensitive fluorescence probe for copper(II). <i>Analytica Chimica Acta</i> , 2009 , 632, 9-14	6.6	77
93	A specific nucleophilic ring-opening reaction of aziridines as a unique platform for the construction of hydrogen polysulfides sensors. <i>Organic Letters</i> , 2015 , 17, 2776-9	6.2	74
92	Sensing and imaging of mitochondrial viscosity in living cells using a red fluorescent probe with a long lifetime. <i>Chemical Communications</i> , 2019 , 55, 7410-7413	5.8	73
91	Leucine aminopeptidase may contribute to the intrinsic resistance of cancer cells toward cisplatin as revealed by an ultrasensitive fluorescent probe. <i>Chemical Science</i> , 2016 , 7, 788-792	9.4	72
90	A near-infrared fluorescence off-on probe for sensitive imaging of hydrogen polysulfides in living cells and mice in vivo. <i>Chemical Communications</i> , 2017 , 53, 8759-8762	5.8	68
89	Progress in Spectroscopic Probes with Cleavable Active Bonds. <i>Current Organic Chemistry</i> , 2006 , 10, 477-489	4.89	65
88	A selective fluorescence-on reaction of spiro form fluorescein hydrazide with Cu(II). <i>Analytica Chimica Acta</i> , 2006 , 575, 217-22	6.6	65
87	A Strategy for Specific Fluorescence Imaging of Monoamine Oxidase A in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15319-15323	16.4	64
86	Mitochondria-Immobilized Near-Infrared Ratiometric Fluorescent pH Probe To Evaluate Cellular Mitophagy. <i>Analytical Chemistry</i> , 2019 , 91, 11409-11416	7.8	64

85	Sensitive fluorescence probe with long analytical wavelengths for β -glutamyl transpeptidase detection in human serum and living cells. <i>Analytical Chemistry</i> , 2015 , 87, 8353-9	7.8	63
84	7-((5-Nitrothiophen-2-yl)methoxy)-3H-phenoxazin-3-one as a spectroscopic off-on probe for highly sensitive and selective detection of nitroreductase. <i>Chemical Communications</i> , 2013 , 49, 5859-61	5.8	60
83	Direct determination of reduced glutathione in biological fluids by Ce(IV)-quinine chemiluminescence. <i>Talanta</i> , 2006 , 70, 518-21	6.2	60
82	A spectroscopic off-on probe for simple and sensitive detection of carboxylesterase activity and its application to cell imaging. <i>Analyst, The</i> , 2012 , 137, 716-21	5	59
81	A new resorufin-based spectroscopic probe for simple and sensitive detection of benzoyl peroxide via deboronation. <i>Chemical Communications</i> , 2012 , 48, 2809-11	5.8	59
80	1,9-Dihydro-3-phenyl-4H-pyrazolo[3,4-b]quinolin-4-one, a novel fluorescent probe for extreme pH measurement. <i>Chemical Communications</i> , 2001 , 960-961	5.8	59
79	Design, Synthesis, and Application of a Small Molecular NIR-II Fluorophore with Maximal Emission beyond 1200 nm. <i>Journal of the American Chemical Society</i> , 2020 , 142, 15271-15275	16.4	58
78	Rationally Designed Fluorescence OH Probe with High Sensitivity and Selectivity for Monitoring the Generation of OH in Iron Autoxidation without Addition of H ₂ O ₂ . <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12830-12834	16.4	56
77	Near-Infrared Fluorescent Probes for Hypoxia Detection via Joint Regulated Enzymes: Design, Synthesis, and Application in Living Cells and Mice. <i>Analytical Chemistry</i> , 2018 , 90, 13759-13766	7.8	56
76	A near-infrared fluorescent probe reveals decreased mitochondrial polarity during mitophagy. <i>Chemical Science</i> , 2019 , 11, 1617-1622	9.4	55
75	Fluorescent probes and nanoparticles for intracellular sensing of pH values. <i>Methods and Applications in Fluorescence</i> , 2014 , 2, 042001	3.1	53
74	Parallel comparative studies on the toxic effects of unmodified CdTe quantum dots, gold nanoparticles, and carbon nanodots on live cells as well as green gram sprouts. <i>Talanta</i> , 2013 , 116, 237-44	6.2	53
73	An upconversion luminescence nanoprobe for the ultrasensitive detection of hyaluronidase. <i>Analytical Chemistry</i> , 2015 , 87, 5816-23	7.8	52
72	Design, synthesis and application of a near-infrared fluorescent probe for in vivo imaging of aminopeptidase N. <i>Chemical Communications</i> , 2017 , 53, 9438-9441	5.8	49
71	A graphene oxide-peptide fluorescence sensor for proteolytically active prostate-specific antigen. <i>Molecular BioSystems</i> , 2012 , 8, 1441-5		49
70	A simple and sensitive method for visual detection of phosgene based on the aggregation of gold nanoparticles. <i>Chemical Communications</i> , 2010 , 46, 9203-5	5.8	49
69	Determination of non-protein cysteine in human serum by a designed BODIPY-based fluorescent probe. <i>Talanta</i> , 2011 , 83, 1050-6	6.2	45
68	A long-wavelength fluorescent probe for imaging reduced glutathione in live cells. <i>Sensors and Actuators B: Chemical</i> , 2012 , 161, 615-620	8.5	42

67	Reactive oxygen species-triggered off-on fluorescence donor for imaging hydrogen sulfide delivery in living cells. <i>Chemical Science</i> , 2019 , 10, 7690-7694	9.4	41
66	Simple PbII fluorescent probe based on PbII-catalyzed hydrolysis of phosphodiester. <i>Biopolymers</i> , 2003 , 72, 413-20	2.2	40
65	Poly(m-phenylenediamine)-based fluorescent nanoprobe for ultrasensitive detection of matrix metalloproteinase 2. <i>Analytical Chemistry</i> , 2014 , 86, 7719-25	7.8	39
64	New approach for local structure analysis of the tyrosine domain in proteins by using a site-specific and polarity-sensitive fluorescent probe. <i>ChemBioChem</i> , 2009 , 10, 1200-7	3.8	39
63	Determination of nickel by a new chromogenic azocalix[4]arene. <i>Analytica Chimica Acta</i> , 2001 , 439, 73-76	6.6	39
62	A novel fluorescent probe for selective labeling of histidine. <i>Analytica Chimica Acta</i> , 2004 , 515, 255-260	6.6	33
61	A selective and sensitive chemiluminescence reaction of 4,4'-bis[2-(9-anthryloxy)ethylthio]tetrathiafulvalene with singlet oxygen. <i>Chemical Communications</i> , 2004 , 2072-3	5.8	33
60	Construction of a D-amino acid oxidase reactor based on magnetic nanoparticles modified by a reactive polymer and its application in screening enzyme inhibitors. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 12979-87	9.5	31
59	Simple and fast fluorescence detection of benzoyl peroxide in wheat flour by N-methoxy rhodamine-6G spirolactam based on consecutive chemical reactions. <i>Analytica Chimica Acta</i> , 2011 , 708, 84-8	6.6	30
58	Gold nanoparticles functionalized with cresyl violet and porphyrin via hyaluronic acid for targeted cell imaging and phototherapy. <i>Chemical Communications</i> , 2014 , 50, 15696-8	5.8	29
57	A red lysosome-targeted fluorescent probe for carboxylesterase detection and bioimaging. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 2989-2996	7.3	28
56	Selective labeling of histidine by a designed fluorescein-based probe. <i>Talanta</i> , 2004 , 62, 367-71	6.2	28
55	Two-Phase Aqueous Extraction of Chromium and its Application to Speciation Analysis of Chromium in Plasma. <i>Mikrochimica Acta</i> , 2000 , 134, 95-99	5.8	28
54	Detection of local polarity of alpha-lactalbumin by N-terminal specific labeling with a new tailor-made fluorescent probe. <i>Journal of Proteome Research</i> , 2005 , 4, 161-6	5.6	26
53	Ratiometric Fluorescent Probe for Imaging of Pantetheinase in Living Cells. <i>Analytical Chemistry</i> , 2017 , 89, 11107-11112	7.8	25
52	A water-soluble fluorescence resonance energy transfer probe for hypochlorous acid and its application to cell imaging. <i>Science Bulletin</i> , 2011 , 56, 3266		25
51	Characterization of 2-phenylbenzo[g]quinoxaline derivatives as viscosity-sensitive fluorescent probes. <i>Talanta</i> , 2009 , 77, 1795-9	6.2	25
50	A cresyl violet-based fluorescent off-on probe for the detection and imaging of hypoxia and nitroreductase in living organisms. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 2058-62	4.5	24

49	Donor-donor energy-migration measurements of dimeric DsbC labeled at its N-terminal amines with fluorescent probes: a study of protein unfolding. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4216-9	16.4	24
48	Rationally Designed Fluorescence .OH Probe with High Sensitivity and Selectivity for Monitoring the Generation of .OH in Iron Autoxidation without Addition of H ₂ O ₂ . <i>Angewandte Chemie</i> , 2018 , 130, 13012-13016	3.6	23
47	Application of rhodamine B thiolactone to fluorescence imaging of Hg ²⁺ in Arabidopsis thaliana. <i>Sensors and Actuators B: Chemical</i> , 2011 , 153, 261-265	8.5	23
46	Sensitive detection of ozone by a practical resorufin-based spectroscopic probe with extremely low background signal. <i>Scientific Reports</i> , 2013 , 3, 2830	4.9	22
45	Activatable fluorescent probes for imaging of enzymes.. <i>Chemical Society Reviews</i> , 2021 ,	58.5	22
44	New triazine spectroscopic reagent for the separation of DL-amino acids by micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2002 , 955, 125-31	4.5	21
43	Spectroscopic response of ferrocene derivatives bearing a BODIPY moiety to water: a new dissociation reaction. <i>Chemistry - A European Journal</i> , 2012 , 18, 925-30	4.8	20
42	Characterization of local polarity and hydrophobic binding sites of beta-lactoglobulin by using N-terminal specific fluorescence labeling. <i>Journal of Proteome Research</i> , 2006 , 5, 26-31	5.6	20
41	Synthesis of a novel chemiluminescent reagent for the determination of hydrogen peroxide in snow waters. <i>Talanta</i> , 2001 , 53, 983-90	6.2	20
40	Xanthene-Based NIR-II Dyes for Dynamic Imaging of Blood Circulation. <i>Journal of the American Chemical Society</i> , 2021 , 143, 17136-17143	16.4	20
39	Selective modification of Trp19 in beta-lactoglobulin by a new diazo fluorescence probe. <i>Journal of Proteome Research</i> , 2007 , 6, 3835-41	5.6	19
38	Enhanced detection of thiol peptides by matrix-assisted laser desorption/ionization mass spectrometry after selective derivatization with a tailor-made quaternary ammonium tag containing maleimidyl group. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 2608-12	2.2	19
37	In situ fluorescent labeling of highly volatile methylamine with 8-(4,6-dichloro-1,3,5-triazinoyl)quinoline. <i>New Journal of Chemistry</i> , 2001 , 25, 872-874	3.6	19
36	Singlet oxygen generation from the decomposition of alpha-linolenic acid hydroperoxide by cytochrome c and lactoperoxidase. <i>Biochemistry</i> , 2007 , 46, 6668-73	3.2	18
35	A molecular approach to rationally constructing specific fluorogenic substrates for the detection of acetylcholinesterase activity in live cells, mice brains and tissues. <i>Chemical Science</i> , 2020 , 11, 11285-11292	9.4	17
34	A new Cu ²⁺ -induced color reaction of a rhodamine derivative N-(3-carboxy)acryloyl rhodamine B hydrazide. <i>Science China Chemistry</i> , 2011 , 54, 1101-1108	7.9	16
33	4-(8-Quinolyl)amino-7-nitro-2,1,3-benzoxadiazole as a new colorimetric probe for rapid and visual detection of Hg ²⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 105, 29-33	4.4	15
32	Determination of H ₂ O ₂ -dependent generation of singlet oxygen from human saliva with a novel chemiluminescence probe. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006 , 1760, 440-4	4	15

31	Detection of trace Cull by a designed calix[4]arene based fluorescent reagent. <i>New Journal of Chemistry</i> , 2002 , 26, 1456-1460	3.6	15
30	Enhanced sensitivity in a Hg ²⁺ sensor by photonic crystals. <i>Analytical Methods</i> , 2010 , 2, 448	3.2	14
29	Rhodamine B piperazinoacetohydrazine: a water-soluble spectroscopic reagent for pyruvic acid labeling. <i>Chemistry - A European Journal</i> , 2010 , 16, 6638-43	4.8	14
28	A new chemiluminescence probe for singlet oxygen based on tetrathiafulvalene-anthracene dyad capable of performing detection in water/alcohol solution. <i>Analytica Chimica Acta</i> , 2006 , 575, 62-7	6.6	14
27	A near-infrared fluorescence probe for imaging of pantetheinase in cells and mice. <i>Chemical Science</i> , 2020 , 11, 12802-12806	9.4	14
26	Facile and Sensitive Method for Protein Kinase A Activity Assay Based on Fluorescent Off-On PolyU-peptide Assembly. <i>Analytical Chemistry</i> , 2017 , 89, 10980-10984	7.8	13
25	Direct identification of tryptophan in a mixture of amino acids by the naked eye. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6723-5	16.4	13
24	Characterization of local polarity and structure of Cys121 domain in beta-lactoglobulin with a new thiol-specific fluorescent probe. <i>Analyst, The</i> , 2008 , 133, 478-84	5	12
23	Sensitive imaging of tumors using a nitroreductase-activated fluorescence probe in the NIR-II window. <i>Chemical Communications</i> , 2021 , 57, 8174-8177	5.8	12
22	A Strategy for Specific Fluorescence Imaging of Monoamine Oxidase A in Living Cells. <i>Angewandte Chemie</i> , 2017 , 129, 15521-15525	3.6	11
21	An endoplasmic reticulum-targeting fluorescent probe for imaging DH in living cells. <i>Chemical Communications</i> , 2020 , 56, 6344-6347	5.8	11
20	Recognition of Guanine by a Designed Triazine-based Fluorescent Probe through Intermolecular Multiple Hydrogen Bonding. <i>Supramolecular Chemistry</i> , 2004 , 16, 311-317	1.8	11
19	Fluorescent labeling of phenol using 8-(4,6-dichloro-1,3,5-triazinylamino)quinoline. <i>Analytica Chimica Acta</i> , 2001 , 426, 51-56	6.6	11
18	Recent advances in fluorescent probes for lipid droplets.. <i>Chemical Communications</i> , 2022 ,	5.8	11
17	Detection of local polarity and conformational changes at the active site of rabbit muscle creatine kinase with a new arginine-specific fluorescent probe. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008 , 1784, 415-22	4	10
16	Some Problems of Nanomaterials in Bioanalytical Applications. <i>Acta Chimica Sinica</i> , 2013 , 71, 1607	3.3	10
15	A tumor-targeted near-infrared fluorescent probe for HNO and its application to the real-time monitoring of HNO release. <i>Chemical Communications</i> , 2021 , 57, 5063-5066	5.8	10
14	3,4-Dinitrobenzamide Functionalized CdTe/ZnTe Quantum Dots as a Nanoprobe for Imaging Glutathione S-Transferase in Living Cells. <i>Chinese Journal of Chemistry</i> , 2013 , 31, 472-478	4.9	8

13	Detection of glucose via enzyme-coupling reaction based on a DT-diaphorase fluorescence probe. <i>Talanta</i> , 2014 , 120, 456-61	6.2	8
12	Fluorescence sensing of adenosine deaminase based on adenosine induced self-assembly of aptamer structures. <i>Analyst, The</i> , 2013 , 138, 2438-42	5	8
11	External-Radiation-Induced Local Hydroxylation Enables Remote Release of Functional Molecules in Tumors. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21546-21552	16.4	8
10	Synthesis of a New Water-Soluble Polymeric Probe and its Fluorescent Properties for Ratiometric Measurement of Near-Neutral pH. <i>Analytical Letters</i> , 2004 , 37, 2937-2948	2.2	7
9	Recognition of thymine by triazine fluorescent probe through intermolecular multiple hydrogen bonding. <i>Biopolymers</i> , 2003 , 72, 274-81	2.2	7
8	Analysis of oxidative degradation products of 2,4,6-trichlorophenol treated with air ions. <i>Analytical Chemistry</i> , 2001 , 73, 3506-10	7.8	7
7	Water-Soluble Near-Infrared Fluorescent Probes for Specific Detection of Monoamine Oxidase A in Living Biosystems. <i>Analytical Chemistry</i> , 2021 , 93, 4285-4290	7.8	7
6	Increase of tyrosinase activity at the wound site in zebrafish imaged by a new fluorescent probe. <i>Chemical Communications</i> , 2021 , 57, 2764-2767	5.8	5
5	Analysis of local polarity change around Cys34 in bovine serum albumin during N \rightarrow B transition by a polarity-sensitive fluorescence probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 73, 875-8	4.4	4
4	External-Radiation-Induced Local Hydroxylation Enables Remote Release of Functional Molecules in Tumors. <i>Angewandte Chemie</i> , 2020 , 132, 21730-21736	3.6	4
3	Analysis of local structure of Arg10 domain in apo-lactalbumin with a polarity-sensitive arginine-specific fluorescent probe. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 809-814		2
2	Frontispiece: External-Radiation-Induced Local Hydroxylation Enables Remote Release of Functional Molecules in Tumors. <i>Angewandte Chemie - International Edition</i> , 2020 , 59,	16.4	1
1	Facile Method for Specifically Sensing Sphingomyelinase in Cells and Human Urine Based on a Ratiometric Fluorescent Nanoliposome Probe. <i>Analytical Chemistry</i> , 2021 , 93, 11775-11784	7.8	1