

Wen Shi

List of Publications by Citations

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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.

84
papers

6,978
citations

48
h-index

83
g-index

89
ext. papers

7,861
ext. citations

8.7
avg, IF

6.37
L-index

#	Paper	IF	Citations
84	Design strategies for water-soluble small molecular chromogenic and fluorogenic probes. <i>Chemical Reviews</i> , 2014 , 114, 590-659	68.1	1347
83	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
82	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
81	A highly selective and sensitive fluorescence probe for the hypochlorite anion. <i>Chemistry - A European Journal</i> , 2008 , 14, 4719-24	4.8	239
80	Rhodamine B thiolactone: a simple chemosensor for Hg ²⁺ in aqueous media. <i>Chemical Communications</i> , 2008 , 1856-8	5.8	222
79	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
78	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
77	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
76	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
75	Near-Infrared Fluorescent Probe with New Recognition Moiety for Specific Detection of Tyrosinase Activity: Design, Synthesis, and Application in Living Cells and Zebrafish. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14728-14732	16.4	155
74	Spectroscopic probes with changeable E-conjugated systems. <i>Chemical Communications</i> , 2012 , 48, 8732-44.8	4.8	145
73	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
72	Recognition Moieties of Small Molecular Fluorescent Probes for Bioimaging of Enzymes. <i>Accounts of Chemical Research</i> , 2019 , 52, 1892-1904	24.3	134
71	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
70	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
69	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
68	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

67	A Tunable Ratiometric pH Sensor Based on Carbon Nanodots for the Quantitative Measurement of the Intracellular pH of Whole Cells. <i>Angewandte Chemie</i> , 2012 , 124, 6538-6541	3.6	102
66	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
65	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
64	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
63	Sensitive and Selective Ratiometric Fluorescence Probes for Detection of Intracellular Endogenous Monoamine Oxidase A. <i>Analytical Chemistry</i> , 2016 , 88, 1440-6	7.8	85
62	Sensitive and selective near-infrared fluorescent off-on probe and its application to imaging different levels of β -lactamase in <i>Staphylococcus aureus</i> . <i>Analytical Chemistry</i> , 2014 , 86, 6115-20	7.8	84
61	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
60	Hydrogen peroxide vapor sensing with organic core/sheath nanowire optical waveguides. <i>Advanced Materials</i> , 2012 , 24, OP194-9, OP186	24	77
59	Lysosomal pH Rise during Heat Shock Monitored by a Lysosome-Targeting Near-Infrared Ratiometric Fluorescent Probe. <i>Angewandte Chemie</i> , 2014 , 126, 11096-11100	3.6	76
58	Monitoring β -glutamyl transpeptidase activity and evaluating its inhibitors by a water-soluble near-infrared fluorescent probe. <i>Biosensors and Bioelectronics</i> , 2016 , 81, 395-400	11.8	75
57	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
56	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
55	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
54	Detection of Misdistribution of Tyrosinase from Melanosomes to Lysosomes and Its Upregulation under Psoralen/Ultraviolet A with a Melanosome-Targeting Tyrosinase Fluorescent Probe. <i>Analytical Chemistry</i> , 2016 , 88, 4557-64	7.8	66
53	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
52	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
51	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
50	A spectroscopic off-on probe for simple and sensitive detection of carboxylesterase activity and its application to cell imaging. <i>Analyst</i> , 2012 , 137, 716-21	5	59

49	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
48	A near-infrared fluorescent probe for monitoring tyrosinase activity. <i>Chemical Communications</i> , 2010 , 46, 2560-2	5.8	59
47	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
46	A highly sensitive and selective fluorescence off-on probe for the detection of intracellular endogenous tyrosinase activity. <i>Chemical Communications</i> , 2017 , 53, 2443-2446	5.8	56
45	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
44	Fluorescent probes and nanoparticles for intracellular sensing of pH values. <i>Methods and Applications in Fluorescence</i> , 2014 , 2, 042001	3.1	53
43	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
42	A Lysosome-Targeting Fluorescence Off-On Probe for Imaging of Nitroreductase and Hypoxia in Live Cells. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2719-2724	4.5	53
41	An upconversion luminescence nanoprobe for the ultrasensitive detection of hyaluronidase. <i>Analytical Chemistry</i> , 2015 , 87, 5816-23	7.8	52
40	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
39	A graphene oxide-peptide fluorescence sensor for proteolytically active prostate-specific antigen. <i>Molecular BioSystems</i> , 2012 , 8, 1441-5		49
38	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
37	Ultrasensitive Detection of Aminopeptidase N Activity in Urine and Cells with a Ratiometric Fluorescence Probe. <i>Analytical Chemistry</i> , 2017 , 89, 3217-3221	7.8	48
36	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
35	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
34	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
33	Ultrasensitive Fluorescent Probes Reveal an Adverse Action of Dipeptide Peptidase IV and Fibroblast Activation Protein during Proliferation of Cancer Cells. <i>Analytical Chemistry</i> , 2016 , 88, 8309-14	7.8	39
32	Poly(m-phenylenediamine)-based fluorescent nanoprobe for ultrasensitive detection of matrix metalloproteinase 2. <i>Analytical Chemistry</i> , 2014 , 86, 7719-25	7.8	39

31	Comparison of N-acetylcysteine and cysteine in their ability to replenish intracellular cysteine by a specific fluorescent probe. <i>Chemical Communications</i> , 2016 , 52, 9410-3	5.8	31
30	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
29	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
28	Ratiometric Fluorescent Probe for Imaging of Pantetheinase in Living Cells. <i>Analytical Chemistry</i> , 2017 , 89, 11107-11112	7.8	25
27	Characterization of 2-phenylbenzo[g]quinoxaline derivatives as viscosity-sensitive fluorescent probes. <i>Talanta</i> , 2009 , 77, 1795-9	6.2	25
26	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
25	In vivo tumor imaging by a Eglutamyl transpeptidase-activatable near-infrared fluorescent probe. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 6771-6777	4.4	23
24	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
23	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
22	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
21	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
20	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
19	Near-Infrared Fluorescent Probe with New Recognition Moiety for Specific Detection of Tyrosinase Activity: Design, Synthesis, and Application in Living Cells and Zebrafish. <i>Angewandte Chemie</i> , 2016 , 128, 14948-14952	3.6	14
18	Enhanced sensitivity in a Hg ²⁺ sensor by photonic crystals. <i>Analytical Methods</i> , 2010 , 2, 448	3.2	14
17	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
16	A near-infrared fluorescence probe for imaging of pantetheinase in cells and mice. <i>Chemical Science</i> , 2020 , 11, 12802-12806	9.4	14
15	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
14	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

13	A Strategy for Specific Fluorescence Imaging of Monoamine Oxidase A in Living Cells. <i>Angewandte Chemie</i> , 2017 , 129, 15521-15525	3.6	11
12	H ₂ O ₂ -Responsive Organosilica-Doxorubicin Nanoparticles for Targeted Imaging and Killing of Cancer Cells Based on a Synthesized Silane-Borate Precursor. <i>ChemMedChem</i> , 2019 , 14, 1079-1085	3.7	11
11	An endoplasmic reticulum-targeting fluorescent probe for imaging Ca^{2+} in living cells. <i>Chemical Communications</i> , 2020 , 56, 6344-6347	5.8	11
10	Recent advances in fluorescent probes for lipid droplets.. <i>Chemical Communications</i> , 2022 ,	5.8	11
9	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
8	Some Problems of Nanomaterials in Bioanalytical Applications. <i>Acta Chimica Sinica</i> , 2013 , 71, 1607	3.3	10
7	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
6	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
5	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
4	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
3	An effective approach to develop targetable and responsive fluorescent probes for imaging of organelles based on cresyl violet scaffold.. <i>Biosensors and Bioelectronics</i> , 2021 , 200, 113929	11.8	1
2	Optical Imaging of Electrical and Mechanical Couplings between Cells. <i>ACS Sensors</i> , 2021 , 6, 508-512	9.2	1
1	Chemical Sensors: Hydrogen Peroxide Vapor Sensing with Organic Core/Sheath Nanowire Optical Waveguides (Adv. Mater. 35/2012). <i>Advanced Materials</i> , 2012 , 24, OP186-OP186	24	0