

# Wen Shi

## List of Publications by Year in descending order

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85  
papers

8,690  
citations

38720  
50  
h-index

49868  
87  
g-index

89  
all docs

89  
docs citations

89  
times ranked

7917  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design Strategies for Water-Soluble Small Molecular Chromogenic and Fluorogenic Probes. <i>Chemical Reviews</i> , 2014, 114, 590-659.	23.0	1,562
2	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, 6432-6435.	7.2	465
3	Lysosomal pH Rise during Heat Shock Monitored by a Lysosome-Targeting Near-Infrared Ratiometric Fluorescent Probe. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10916-10920.	7.2	369
4	A Highly Selective and Sensitive Fluorescence Probe for the Hypochlorite Anion. <i>Chemistry - A European Journal</i> , 2008, 14, 4719-4724.	1.7	252
5	Rhodamine B thiolactone: a simple chemosensor for Hg <sup>2+</sup> in aqueous media. <i>Chemical Communications</i> , 2008, , 1856.	2.2	233
6	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.	3.7	217
7	Ferroptosis Accompanied by <sup>•</sup> OH Generation and Cytoplasmic Viscosity Increase Revealed via Dual-Functional Fluorescence Probe. <i>Journal of the American Chemical Society</i> , 2019, 141, 18301-18307.	6.6	214
8	Recognition Moieties of Small Molecular Fluorescent Probes for Bioimaging of Enzymes. <i>Accounts of Chemical Research</i> , 2019, 52, 1892-1904.	7.6	214
9	Rational Design and Bioimaging Applications of Highly Selective Fluorescence Probes for Hydrogen Polysulfides. <i>Journal of the American Chemical Society</i> , 2014, 136, 7257-7260.	6.6	200
10	Nitroreductase Detection and Hypoxic Tumor Cell Imaging by a Designed Sensitive and Selective Fluorescent Probe, 7-[(5-Nitrofuran-2-yl)methoxy]-3-phenoxazin-3-one. <i>Analytical Chemistry</i> , 2013, 85, 3926-3932.	3.2	194
11	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.	6.7	192
12	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.	7.2	189
13	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.	5.3	159
14	Observation of the Generation of ONOO <sup>•</sup> in Mitochondria under Various Stimuli with a Sensitive Fluorescence Probe. <i>Analytical Chemistry</i> , 2017, 89, 5519-5525.	3.2	157
15	Spectroscopic probes with changeable $\pi$ -conjugated systems. <i>Chemical Communications</i> , 2012, 48, 8732.	2.2	154
16	Distinguishing Folate-Receptor-Positive Cells from Folate-Receptor-Negative Cells Using a Fluorescence Off-On Nanoprobe. <i>Analytical Chemistry</i> , 2013, 85, 6530-6535.	3.2	134
17	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.	6.6	133
18	In vivo imaging of leucine aminopeptidase activity in drug-induced liver injury and liver cancer via a near-infrared fluorescent probe. <i>Chemical Science</i> , 2017, 8, 3479-3483.	3.7	127

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19	Imaging Different Interactions of Mercury and Silver with Live Cells by a Designed Fluorescence Probe Rhodamine B Selenolactone. <i>Inorganic Chemistry</i> , 2010, 49, 1206-1210.	1.9	113
20	A graphene oxide-peptide fluorescence sensor tailor-made for simple and sensitive detection of matrix metalloproteinase 2. <i>Chemical Communications</i> , 2011, 47, 10680.	2.2	106
21	A dual-function fluorescent probe for monitoring the degrees of hypoxia in living cells <i>via</i> the imaging of nitroreductase and adenosine triphosphate. <i>Chemical Communications</i> , 2018, 54, 5454-5457.	2.2	106
22	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.	2.2	103
23	Xanthene-Based NIR-II Dyes for <i>In Vivo</i> Dynamic Imaging of Blood Circulation. <i>Journal of the American Chemical Society</i> , 2021, 143, 17136-17143.	6.6	103
24	Monitoring $\hat{\text{I}}^3$ -glutamyl transpeptidase activity and evaluating its inhibitors by a water-soluble near-infrared fluorescent probe. <i>Biosensors and Bioelectronics</i> , 2016, 81, 395-400.	5.3	98
25	Sensitive and Selective Near-Infrared Fluorescent Off-On Probe and Its Application to Imaging Different Levels of $\hat{\text{I}}^2$ -Lactamase in <i>Staphylococcus aureus</i> . <i>Analytical Chemistry</i> , 2014, 86, 6115-6120.	3.2	97
26	Sensitive and Selective Ratiometric Fluorescence Probes for Detection of Intracellular Endogenous Monoamine Oxidase A. <i>Analytical Chemistry</i> , 2016, 88, 1440-1446.	3.2	97
27	A Strategy for Specific Fluorescence Imaging of Monoamine Oxidase...A in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15319-15323.	7.2	96
28	Recent advances in fluorescent probes for lipid droplets. <i>Chemical Communications</i> , 2022, 58, 1495-1509.	2.2	89
29	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.	3.7	85
30	Sensitive Fluorescence Probe with Long Analytical Wavelengths for $\hat{\text{I}}^3$ -Glutamyl Transpeptidase Detection in Human Serum and Living Cells. <i>Analytical Chemistry</i> , 2015, 87, 8353-8359.	3.2	84
31	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, 2776-2779.	2.4	83
32	Hydrogen Peroxide Vapor Sensing with Organic Core/Sheath Nanowire Optical Waveguides. <i>Advanced Materials</i> , 2012, 24, OP194-9, OP186.	11.1	81
33	A near-infrared fluorescence off-on probe for sensitive imaging of hydrogen polysulfides in living cells and mice <i>in vivo</i> . <i>Chemical Communications</i> , 2017, 53, 8759-8762.	2.2	81
34	Rationally Designed Fluorescence <sup>OH</sup> Probe with High Sensitivity and Selectivity for Monitoring the Generation of <sup>OH</sup> in Iron Autoxidation without Addition of $\text{H}_2\text{O}_2$ . <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12830-12834.	7.2	81
35	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, 4557-4564.	3.2	76
36	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.	2.2	72

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37	Ultrasensitive Detection of Aminopeptidase N Activity in Urine and Cells with a Ratiometric Fluorescence Probe. <i>Analytical Chemistry</i> , 2017, 89, 3217-3221.	3.2	72
38	A near-infrared fluorescent probe for monitoring tyrosinase activity. <i>Chemical Communications</i> , 2010, 46, 2560.	2.2	70
39	A spectroscopic off-on probe for simple and sensitive detection of carboxylesterase activity and its application to cell imaging. <i>Analyst</i> , 2012, 137, 716-721.	1.7	70
40	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.	2.2	69
41	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.	2.2	69
42	A new resorufin-based spectroscopic probe for simple and sensitive detection of benzoyl peroxide via deboronation. <i>Chemical Communications</i> , 2012, 48, 2809.	2.2	67
43	Fluorescent probes and nanoparticles for intracellular sensing of pH values. <i>Methods and Applications in Fluorescence</i> , 2014, 2, 042001.	1.1	64
44	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.	1.7	63
45	An Upconversion Luminescence Nanoprobe for the Ultrasensitive Detection of Hyaluronidase. <i>Analytical Chemistry</i> , 2015, 87, 5816-5823.	3.2	62
46	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, 237-244.	2.9	61
47	Reactive oxygen species-triggered off-on fluorescence donor for imaging hydrogen sulfide delivery in living cells. <i>Chemical Science</i> , 2019, 10, 7690-7694.	3.7	59
48	A graphene oxide-peptide fluorescence sensor for proteolytically active prostate-specific antigen. <i>Molecular BioSystems</i> , 2012, 8, 1441.	2.9	55
49	A simple and sensitive method for visual detection of phosgene based on the aggregation of gold nanoparticles. <i>Chemical Communications</i> , 2010, 46, 9203.	2.2	53
50	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, 8309-8314.	3.2	51
51	A long-wavelength fluorescent probe for imaging reduced glutathione in live cells. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 615-620.	4.0	49
52	Determination of non-protein cysteine in human serum by a designed BODIPY-based fluorescent probe. <i>Talanta</i> , 2011, 83, 1050-1056.	2.9	48
53	Poly( <i>m</i> -phenylenediamine)-Based Fluorescent Nanoprobe for Ultrasensitive Detection of Matrix Metalloproteinase 2. <i>Analytical Chemistry</i> , 2014, 86, 7719-7725.	3.2	46
54	Sensitive imaging of tumors using a nitroreductase-activated fluorescence probe in the NIR-II window. <i>Chemical Communications</i> , 2021, 57, 8174-8177.	2.2	41

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55	Comparison of N-acetylcysteine and cysteine in their ability to replenish intracellular cysteine by a specific fluorescent probe. <i>Chemical Communications</i> , 2016, 52, 9410-9413.	2.2	36
56	Ratiometric Fluorescent Probe for Imaging of Pantetheinase in Living Cells. <i>Analytical Chemistry</i> , 2017, 89, 11107-11112.	3.2	33
57	In vivo tumor imaging by a $\beta$ -glutamyl transpeptidase-activatable near-infrared fluorescent probe. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6771-6777.	1.9	33
58	Characterization of 2-phenylbenzo[g]quinoxaline derivatives as viscosity-sensitive fluorescent probes. <i>Talanta</i> , 2009, 77, 1795-1799.	2.9	32
59	Gold nanoparticles functionalized with cresyl violet and porphyrin via hyaluronic acid for targeted cell imaging and phototherapy. <i>Chemical Communications</i> , 2014, 50, 15696-15698.	2.2	32
60	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, 84-88.	2.6	31
61	Rationally Designed Fluorescence $\text{OH}$ Probe with High Sensitivity and Selectivity for Monitoring the Generation of $\text{OH}$ in Iron Autoxidation without Addition of $\text{H}_2\text{O}_2$ . <i>Angewandte Chemie</i> , 2018, 130, 13012-13016.	1.6	31
62	A near-infrared fluorescence probe for imaging of pantetheinase in cells and mice <i>in vivo</i> . <i>Chemical Science</i> , 2020, 11, 12802-12806.	3.7	30
63	Water-Soluble Near-Infrared Fluorescent Probes for Specific Detection of Monoamine Oxidase A in Living Biosystems. <i>Analytical Chemistry</i> , 2021, 93, 4285-4290.	3.2	30
64	Sensitive detection of ozone by a practical resorufin-based spectroscopic probe with extremely low background signal. <i>Scientific Reports</i> , 2013, 3, 2830.	1.6	28
65	A tumor-targeted near-infrared fluorescent probe for HNO and its application to the real-time monitoring of HNO release <i>in vivo</i> . <i>Chemical Communications</i> , 2021, 57, 5063-5066.	2.2	28
66	Application of rhodamine B thiolactone to fluorescence imaging of $\text{Hg}^{2+}$ in <i>Arabidopsis thaliana</i> . <i>Sensors and Actuators B: Chemical</i> , 2011, 153, 261-265.	4.0	24
67	Golgi-Targeted Fluorescent Probe for Imaging NO in Alzheimer's Disease. <i>Analytical Chemistry</i> , 2022, 94, 10256-10262.	3.2	24
68	Spectroscopic Response of Ferrocene Derivatives Bearing a BODIPY Moiety to Water: A New Dissociation Reaction. <i>Chemistry - A European Journal</i> , 2012, 18, 925-930.	1.7	20
69	An endoplasmic reticulum-targeting fluorescent probe for imaging $\text{H}_2\text{O}_2$ in living cells. <i>Chemical Communications</i> , 2020, 56, 6344-6347.	2.2	20
70	Selective Modification of Trp19 in $\beta$ -Lactoglobulin by a New Diazo Fluorescence Probe. <i>Journal of Proteome Research</i> , 2007, 6, 3835-3841.	1.8	19
71	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.	3.2	19
72	An Oxazine-Based Fluorogenic Probe with Changeable $\text{pH}$ -Conjugation to Eliminate False-Positive Interference of Albumin and Its Application to Sensing Aminopeptidase...N. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	19

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73	Rhodamine-B Piperazinoacetohydrazine: A Water-Soluble Spectroscopic Reagent for Pyruvic Acid Labeling. <i>Chemistry - A European Journal</i> , 2010, 16, 6638-6643.	1.7	16
74	H <sub>2</sub> O <sub>2</sub> -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.	1.6	16
75	Enhanced sensitivity in a Hg <sup>2+</sup> sensor by photonic crystals. <i>Analytical Methods</i> , 2010, 2, 448.	1.3	15
76	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.	1.6	15
77	A Strategy for Specific Fluorescence Imaging of Monoamine Oxidase-A in Living Cells. <i>Angewandte Chemie</i> , 2017, 129, 15521-15525.	1.6	13
78	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, 415-422.	1.1	12
79	Increase of tyrosinase activity at the wound site in zebrafish imaged by a new fluorescent probe. <i>Chemical Communications</i> , 2021, 57, 2764-2767.	2.2	12
80	Some Problems of Nanomaterials in Bioanalytical Applications. <i>Acta Chimica Sinica</i> , 2013, 71, 1607.	0.5	10
81	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.	2.6	8
82	An effective approach to develop targetable and responsive fluorescent probes for imaging of organelles based on cresyl violet scaffold. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113929.	5.3	6
83	Optical Imaging of Electrical and Mechanical Couplings between Cells. <i>ACS Sensors</i> , 2021, 6, 508-512.	4.0	3
84	Chemical Sensors: Hydrogen Peroxide Vapor Sensing with Organic Core/Sheath Nanowire Optical Waveguides ( <i>Adv. Mater.</i> 35/2012). <i>Advanced Materials</i> , 2012, 24, OP186.	11.1	1
85	An Oxazine-Based Fluorogenic Probe with Changeable $\lambda_{em}$ Conjugation to Eliminate False-Positive Interference of Albumin and Its Application to Sensing Aminopeptidase N. <i>Angewandte Chemie</i> , 0, , .	1.6	0