

Fabiao Yu

List of Publications by Year in Descending Order

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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.

82
papers

6,800
citations

41
h-index

82
g-index

83
ext. papers

7,729
ext. citations

8.8
avg, IF

6.32
L-index

#	Paper	IF	Citations
82	Analysis of Single Extracellular Vesicles for Biomedical Applications with Especial Emphasis on Cancer Investigations. <i>TrAC - Trends in Analytical Chemistry</i> , 2022 , 116604	14.6	1
81	Construction of a Mitochondria-Endoplasmic Reticulum Dual-Targeted Red-Emitting Fluorescent Probe for Imaging Peroxynitrite in Living Cells and Zebrafish.. <i>Chemistry - an Asian Journal</i> , 2022 , e202200388	4.5	0
80	SERS based Y-shaped aptasensor for early diagnosis of acute kidney injury. <i>RSC Advances</i> , 2022 , 12, 15910-15917	1.7	1
79	Toward Sensitive and Reliable Surface-Enhanced Raman Scattering Imaging: From Rational Design to Biomedical Applications. <i>ACS Sensors</i> , 2021 , 6, 3912-3932	9.2	5
78	Emergence of Surface-Enhanced Raman Scattering Probes in Near-Infrared Windows for Biosensing and Bioimaging. <i>Analytical Chemistry</i> , 2021 ,	7.8	6
77	Rational Design of a Highly Selective Near-Infrared Two-Photon Fluorogenic Probe for Imaging Orthotopic Hepatocellular Carcinoma Chemotherapy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15418-15425	16.4	31
76	Rational Design of a Highly Selective Near-Infrared Two-Photon Fluorogenic Probe for Imaging Orthotopic Hepatocellular Carcinoma Chemotherapy. <i>Angewandte Chemie</i> , 2021 , 133, 15546-15553	3.6	1
75	Microfluidics-Based Sensing of Biospecies.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 2160-2191	4.1	9
74	A semi-naphthorhodafluor-based red-emitting fluorescent probe for tracking of hydrogen polysulfide in living cells and zebrafish. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 247, 119105	4.4	4
73	Indication of Dynamic Peroxynitrite Fluctuations in the Rat Epilepsy Model with a Near-Infrared Two-Photon Fluorescent Probe. <i>Analytical Chemistry</i> , 2021 , 93, 2490-2499	7.8	37
72	Development of bioorthogonal SERS imaging probe in biological and biomedical applications. <i>Chinese Chemical Letters</i> , 2021 , 32, 2369-2379	8.1	8
71	Real-Time Evaluation of Hydrogen Peroxide Injuries in Pulmonary Fibrosis Mice Models with a Mitochondria-Targeted Near-Infrared Fluorescent Probe. <i>ACS Sensors</i> , 2021 , 6, 1228-1239	9.2	25
70	Visualization of carboxylesterase 2 with a near-infrared two-photon fluorescent probe and potential evaluation of its anticancer drug effects in an orthotopic colon carcinoma mice model. <i>Chemical Communications</i> , 2020 , 56, 4412-4415	5.8	26
69	Molecular Fluorescent Probes for Imaging and Evaluation of Hypochlorite Fluctuations during Diagnosis and Therapy of Osteoarthritis in Cells and in a Mouse Model. <i>ACS Sensors</i> , 2020 , 5, 1949-1958	9.2	33
68	Visualizing hydrogen sulfide in living cells and zebrafish using a red-emitting fluorescent probe via selenium-sulfur exchange reaction. <i>Analytica Chimica Acta</i> , 2020 , 1109, 37-43	6.6	22
67	Imaging of the mutual regulation between zinc cation and nitrosyl via two-photon fluorescent probes in cells and in vivo. <i>Sensors and Actuators B: Chemical</i> , 2020 , 309, 127772	8.5	13
66	Detection of Selenocysteine with a Ratiometric near-Infrared Fluorescent Probe in Cells and in Mice Thyroid Diseases Model. <i>Analytical Chemistry</i> , 2020 , 92, 1589-1597	7.8	41

65	Bioimaging of Glutathione with a Two-Photon Fluorescent Probe and Its Potential Application for Surgery Guide in Laryngeal Cancer. <i>ACS Sensors</i> , 2020 , 5, 242-249	9.2	43
64	Self-Assembled Nanomaterials for Enhanced Phototherapy of Cancer.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 86-106	4.1	28
63	Analysis of extracellular vesicles as emerging theranostic nanoplatfroms. <i>Coordination Chemistry Reviews</i> , 2020 , 424, 213506	23.2	10
62	A sulfydryl-based near-infrared ratiometric fluorescent probe for assessment of acute/chronic mercury exposure via associated determination of superoxide anion and mercury ion in cells and in vivo. <i>Sensors and Actuators B: Chemical</i> , 2019 , 301, 127038	8.5	25
61	Imaging of anti-inflammatory effects of HNO via a near-infrared fluorescent probe in cells and in rat gouty arthritis model. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 305-313	7.3	21
60	A highly sensitive near-infrared ratiometric fluorescent probe for imaging of mitochondrial hydrazine in cells and in mice models. <i>Sensors and Actuators B: Chemical</i> , 2019 , 286, 69-76	8.5	33
59	A novel near-infrared fluorescent probe for detection of hypobromous acid and its bioimaging applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 222, 117240	4.4	10
58	Sequential Detection of Superoxide Anion and Hydrogen Polysulfides under Hypoxic Stress via a Spectral-Response-Separated Fluorescent Probe Functioned with a Nitrobenzene Derivative. <i>Analytical Chemistry</i> , 2019 , 91, 7774-7781	7.8	26
57	Evaluation of Glutathione S-Transferase Inhibition Effects on Idiopathic Pulmonary Fibrosis Therapy with a Near-Infrared Fluorescent Probe in Cell and Mice Models. <i>Analytical Chemistry</i> , 2019 , 91, 5424-5432	7.8	27
56	Development of a novel near-infrared fluorescence light-up probe with a large Stokes shift for sensing of cysteine in aqueous solution, living cells and zebrafish. <i>Dyes and Pigments</i> , 2019 , 171, 107722	4.6	10
55	Detection of phosphorus species in water: technology and strategies. <i>Analyst, The</i> , 2019 , 144, 7130-7148	5	13
54	SERS-based immunoassay using gold-patterned array chips for rapid and sensitive detection of dual cardiac biomarkers. <i>Analyst, The</i> , 2019 , 144, 6533-6540	5	26
53	Mitochondria-targeting near-infrared ratiometric fluorescent probe for selective imaging of cysteine in orthotopic lung cancer mice. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 69-77	8.5	53
52	Construction of a novel far-red fluorescence light-up probe for visualizing intracellular peroxynitrite. <i>Talanta</i> , 2019 , 197, 431-435	6.2	20
51	Imaging of Endogenous Hydrogen Peroxide during the Process of Cell Mitosis and Mouse Brain Development with a Near-Infrared Ratiometric Fluorescent Probe. <i>Analytical Chemistry</i> , 2019 , 91, 1203-1210	7.8	38
50	Ratiometric Near-Infrared Fluorescent Probe for Synergistic Detection of Monoamine Oxidase B and Its Contribution to Oxidative Stress in Cell and Mice Aging Models. <i>Analytical Chemistry</i> , 2018 , 90, 4054-4061	7.8	47
49	Imaging and evaluation of sulfane sulfur in acute brain ischemia using a mitochondria-targeted near-infrared fluorescent probe. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 2608-2619	7.3	22
48	A near-infrared fluorescent probe for sensitive detection and imaging of sulfane sulfur in living cells and in vivo. <i>Biomaterials Science</i> , 2018 , 6, 672-682	7.4	14

47	Evaluation of sulfane sulfur bioeffects via a mitochondria-targeting selenium-containing near-infrared fluorescent probe. <i>Biomaterials</i> , 2018 , 160, 1-14	15.6	63
46	A unique off-on near-infrared cyanine-based probe for imaging of endogenous alkaline phosphatase activity in cells and in vivo. <i>Sensors and Actuators B: Chemical</i> , 2018 , 265, 565-574	8.5	33
45	Polyamine-Targeting Gefitinib Prodrug and its Near-Infrared Fluorescent Theranostic Derivative for Monitoring Drug Delivery and Lung Cancer Therapy. <i>Theranostics</i> , 2018 , 8, 2217-2228	12.1	31
44	Associated Detection of Superoxide Anion and Mercury(II) under Chronic Mercury Exposure in Cells and Mice Models via a Three-Channel Fluorescent Probe. <i>Analytical Chemistry</i> , 2018 , 90, 9769-9778	7.8	68
43	Evaluation Selenocysteine Protective Effect in Carbon Disulfide Induced Hepatitis with a Mitochondrial Targeting Ratiometric Near-Infrared Fluorescent Probe. <i>Analytical Chemistry</i> , 2018 , 90, 8108-8115	7.8	28
42	A mitochondrial-targeting near-infrared fluorescent probe for bioimaging and evaluating endogenous superoxide anion changes during ischemia/reperfusion injury. <i>Biomaterials</i> , 2018 , 156, 134-146	15.6	65
41	A reversible fluorescent probe based on C[double bond, length as m-dash]N isomerization for the selective detection of formaldehyde in living cells and in vivo. <i>Analyst, The</i> , 2018 , 143, 429-439	5	37
40	Imaging of intracellular sulfane sulfur expression changes under hypoxic stress via a selenium-containing near-infrared fluorescent probe. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 6637-6645	7.3	24
39	A novel dual-ratiometric-response fluorescent probe for SO/CLO detection in cells and in vivo and its application in exploring the dichotomous role of SO under the CLO induced oxidative stress. <i>Biomaterials</i> , 2017 , 133, 82-93	15.6	111
38	A Ratiometric Near-Infrared Fluorescent Probe for Quantification and Evaluation of Selenocysteine-Protective Effects in Acute Inflammation. <i>Advanced Functional Materials</i> , 2017 , 27, 1700789	15.6	62
37	In situ quantification and evaluation of CLO/HS homeostasis in inflammatory gastric tissue by applying a rationally designed dual-response fluorescence probe featuring a novel H-activated mechanism. <i>Analyst, The</i> , 2017 , 142, 1619-1627	5	20
36	Fluorescent chemical probes for accurate tumor diagnosis and targeting therapy. <i>Chemical Society Reviews</i> , 2017 , 46, 2237-2271	58.5	484
35	A two-photon ratiometric fluorescent probe for the synergistic detection of the mitochondrial SO/HClO crosstalk in cells and in vivo. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 8389-8398	7.3	60
34	A chemosensor for micro- to nano-molar detection of Ag and Hg ions in pure aqueous media and its applications in cell imaging. <i>Dalton Transactions</i> , 2017 , 46, 14201-14209	4.3	43
33	Bright and sensitive ratiometric fluorescent probe enabling endogenous FA imaging and mechanistic exploration of indirect oxidative damage due to FA in various living systems. <i>Chemical Science</i> , 2017 , 8, 7851-7861	9.4	70
32	A ratiometric fluorescent probe for imaging and quantifying anti-apoptotic effects of GSH under temperature stress. <i>Chemical Science</i> , 2017 , 8, 6991-7002	9.4	90
31	Wide-Acidity-Range pH Fluorescence Probes for Evaluation of Acidification in Mitochondria and Digestive Tract Mucosa. <i>Analytical Chemistry</i> , 2017 , 89, 8509-8516	7.8	41
30	Cyanine-based colorimetric and fluorescent probe for the selective detection of diethylstilbestrol in seawater, shrimp and fish samples. <i>Sensors and Actuators B: Chemical</i> , 2016 , 223, 799-805	8.5	18

29	Near-Infrared Fluorescence Probe for in Situ Detection of Superoxide Anion and Hydrogen Polysulfides in Mitochondrial Oxidative Stress. <i>Analytical Chemistry</i> , 2016 , 88, 4122-9	7.8	131
28	Quantification of cysteine hydropersulfide with a ratiometric near-infrared fluorescent probe based on selenium-sulfur exchange reaction. <i>Chemical Science</i> , 2016 , 7, 5098-5107	9.4	85
27	Macroscopic and Fluorescent Discrimination of Adenosine Triphosphate via Selective Metallo-hydrogel Formation: A Visual, Practical, and Reliable Rehearsal toward Cellular Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 20583-90	9.5	43
26	A dual response near-infrared fluorescent probe for hydrogen polysulfides and superoxide anion detection in cells and in vivo. <i>Biomaterials</i> , 2015 , 63, 93-101	15.6	128
25	A near-infrared ratiometric fluorescent probe for cysteine detection over glutathione indicating mitochondrial oxidative stress in vivo. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 156-64	11.8	106
24	Near-infrared fluorescent probe for imaging mitochondrial hydrogen polysulfides in living cells and in vivo. <i>Analytical Chemistry</i> , 2015 , 87, 3631-8	7.8	160
23	A near-infrared fluorescent probe for the detection of hydrogen polysulfides biosynthetic pathways in living cells and in vivo. <i>Analyst, The</i> , 2015 , 140, 3766-72	5	60
22	A near-infrared fluorescent probe for the selective detection of HNO in living cells and in vivo. <i>Analyst, The</i> , 2015 , 140, 4576-83	5	54
21	Fluorescent probes for hydrogen sulfide detection and bioimaging. <i>Chemical Communications</i> , 2014 , 50, 12234-49	5.8	335
20	Visualization of nitroxyl (HNO) in vivo via a lysosome-targetable near-infrared fluorescent probe. <i>Chemical Communications</i> , 2014 , 50, 14253-6	5.8	104
19	A novel fluorescent "turn-on" chemosensor for nanomolar detection of Fe(III) from aqueous solution and its application in living cells imaging. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 612-7	11.8	64
18	A near-infrared reversible and ratiometric fluorescent probe based on Se-BODIPY for the redox cycle mediated by hypobromous acid and hydrogen sulfide in living cells. <i>Chemical Communications</i> , 2013 , 49, 5790-2	5.8	118
17	A reversible fluorescence probe based on Se-BODIPY for the redox cycle between HClO oxidative stress and H ₂ S repair in living cells. <i>Chemical Communications</i> , 2013 , 49, 1014-6	5.8	217
16	Reversible near-infrared fluorescent probe introducing tellurium to mimetic glutathione peroxidase for monitoring the redox cycles between peroxynitrite and glutathione in vivo. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7674-80	16.4	468
15	A BODIPY fluorescence probe modulated by selenoxide spirocyclization reaction for peroxynitrite detection and imaging in living cells. <i>Dyes and Pigments</i> , 2013 , 96, 383-390	4.6	59
14	Development of reversible fluorescence probes based on redox oxoammonium cation for hypobromous acid detection in living cells. <i>Chemical Communications</i> , 2012 , 48, 7735-7	5.8	52
13	A turn-on fluorescent probe based on hydroxylamine oxidation for detecting ferric ion selectively in living cells. <i>Chemical Communications</i> , 2012 , 48, 5310-2	5.8	120
12	A highly selective turn-on near-infrared fluorescent probe for hydrogen sulfide detection and imaging in living cells. <i>Chemical Communications</i> , 2012 , 48, 11757-9	5.8	218

11	An ICT-based strategy to a colorimetric and ratiometric fluorescence probe for hydrogen sulfide in living cells. <i>Chemical Communications</i> , 2012 , 48, 2852-4	5.8	333
10	Facilitative functionalization of cyanine dye by an on-off-on fluorescent switch for imaging of H ₂ O ₂ oxidative stress and thiols reducing repair in cells and tissues. <i>Chemical Communications</i> , 2012 , 48, 4980-2	5.8	100
9	A fluorescent probe directly detect peroxynitrite based on boronate oxidation and its applications for fluorescence imaging in living cells. <i>Analyst, The</i> , 2012 , 137, 3740-9	5	73
8	A near-IR reversible fluorescent probe modulated by selenium for monitoring peroxynitrite and imaging in living cells. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11030-3	16.4	469
7	Substituent effects on the intramolecular charge transfer and fluorescence of bimetallic platinum complexes. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 6390-3	2.8	76
6	The synthesis of polarity-sensitive fluorescent dyes based on the BODIPY chromophore. <i>Dyes and Pigments</i> , 2011 , 89, 217-222	4.6	25
5	A new highly selective and sensitive assay for fluorescence imaging of *OH in living cells: effectively avoiding the interference of peroxynitrite. <i>Chemistry - A European Journal</i> , 2010 , 16, 1834-40	4.8	69
4	Molecular fluorescent probes for monitoring pH changes in living cells. <i>TrAC - Trends in Analytical Chemistry</i> , 2010 , 29, 1004-1013	14.6	179
3	Cu ²⁺ -selective naked-eye and fluorescent probe: its crystal structure and application in bioimaging. <i>Analyst, The</i> , 2009 , 134, 1826-33	5	109
2	A near-infrared neutral pH fluorescent probe for monitoring minor pH changes: imaging in living HepG2 and HL-7702 cells. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3016-23	16.4	403
1	A rhodamine-based fluorescent probe containing a Se-N bond for detecting thiols and its application in living cells. <i>Journal of the American Chemical Society</i> , 2007 , 129, 11666-7	16.4	364