

Yasuteru Urano

List of Publications by Year in descending order

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Version: 2024-02-01

161
papers

13,812
citations

41258

49
h-index

21474

114
g-index

174
all docs

174
docs citations

174
times ranked

13994
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular probes for fluorescence image-guided cancer surgery. <i>Current Opinion in Chemical Biology</i> , 2022, 67, 102112.	2.8	17
2	Molecular design of near-infrared (NIR) fluorescent probes targeting exopeptidase and application for detection of dipeptidyl peptidase 4 (DPP-4) activity. <i>RSC Chemical Biology</i> , 2022, 3, 859-867.	2.0	5
3	Rapid visualization of mammary gland tumor lesions of dogs using the enzyme-activated fluorogenic probe; β -glutamyl hydroxymethyl rhodamine green. <i>Journal of Veterinary Medical Science</i> , 2022, 84, 593-599.	0.3	3
4	Development of a fluorescent probe library enabling efficient screening of tumour-imaging probes based on discovery of biomarker enzymatic activities. <i>Chemical Science</i> , 2022, 13, 4474-4481.	3.7	14
5	Rapid Visualization of Deeply Located Tumors <i>In Vivo</i> by Intravenous Administration of a β -Glutamyltranspeptidase-Activated Fluorescent Probe. <i>Bioconjugate Chemistry</i> , 2022, 33, 523-529.	1.8	6
6	Leading-edge elongation by follower cell interruption in advancing epithelial cell sheets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119903119.	3.3	3
7	Development of an intraoperative breast cancer margin assessment method using quantitative fluorescence measurements. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
8	Rapid imaging of lung cancer using a red fluorescent probe to detect dipeptidyl peptidase 4 and puromycin-sensitive aminopeptidase activities. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
9	β -Glutamyltranspeptidase (GGT)-Activatable Fluorescence Probe for Durable Tumor Imaging. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2125-2129.	7.2	69
10	β -Glutamyltranspeptidase (GGT)-Activatable Fluorescence Probe for Durable Tumor Imaging. <i>Angewandte Chemie</i> , 2021, 133, 2153-2157.	1.6	13
11	Photoactivatable fluorophores for durable labelling of individual cells. <i>Chemical Communications</i> , 2021, 57, 5802-5805.	2.2	12
12	Amino BODIPY-Based Blue Fluorescent Probes for Aldehyde Dehydrogenase 1-Expressing Cells. <i>Bioconjugate Chemistry</i> , 2021, 32, 234-238.	1.8	10
13	PMEPA1 and NEDD4 control the proton production of osteoclasts by regulating vesicular trafficking. <i>FASEB Journal</i> , 2021, 35, e21281.	0.2	5
14	Rapid and Sensitive Detection of Cancer Cells with Activatable Fluorescent Probes for Enzyme Activity. <i>Methods in Molecular Biology</i> , 2021, 2274, 193-206.	0.4	6
15	Nongenetic control of receptor signaling dynamics using a DNA-based optochemical tool. <i>Chemical Communications</i> , 2021, 57, 5969-5972.	2.2	14
16	Realization of rapid cancer imaging by non-DDS fluorescent probe technology and its future vision of cooperation with DDS. <i>Drug Delivery System</i> , 2021, 36, 51-66.	0.0	0
17	Fluorescence Probes for Imaging Basic Carboxypeptidase Activity in Living Cells with High Intracellular Retention. <i>Analytical Chemistry</i> , 2021, 93, 3470-3476.	3.2	9
18	Neural and behavioral control in <i>Caenorhabditis elegans</i> by a yellow-light-activatable caged compound. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	2

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19	A Novel Topical Fluorescent Probe for Detection of Glioblastoma. <i>Clinical Cancer Research</i> , 2021, 27, 3936-3947.	3.2	20
20	Î²-Galactosidase is a target enzyme for detecting peritoneal metastasis of gastric cancer. <i>Scientific Reports</i> , 2021, 11, 10664.	1.6	17
21	Establishment of live-cell-based coupled assay system for identification of compounds to modulate metabolic activities of cells. <i>Cell Reports</i> , 2021, 36, 109311.	2.9	4
22	Fluorescence Imaging Using Enzyme-Activatable Probes for Real-Time Identification of Pancreatic Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 714527.	1.3	7
23	Rapid fluorescence imaging of human hepatocellular carcinoma using the Î²-galactosidase-activatable fluorescence probe SPiDER-Î²Gal. <i>Scientific Reports</i> , 2021, 11, 17946.	1.6	3
24	Matrix metalloprotease-14 is a target enzyme for detecting peritoneal metastasis in gastric cancer. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 35, 102420.	1.3	7
25	Development of a small-molecule-based activatable photoacoustic probe. <i>Methods in Enzymology</i> , 2021, 657, 1-19.	0.4	1
26	Discovery of an F-actin-binding small molecule serving as a fluorescent probe and a scaffold for functional probes. <i>Science Advances</i> , 2021, 7, eabg8585.	4.7	10
27	A novel sialidase-activatable fluorescence probe with improved stability for the sensitive detection of sialidase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126860.	1.0	13
28	Metabolic-Pathway-Oriented Screening Targeting S-Adenosyl-l-methionine Reveals the Epigenetic Remodeling Activities of Naturally Occurring Catechols. <i>Journal of the American Chemical Society</i> , 2020, 142, 21-26.	6.6	10
29	Multicolor Activatable Raman Probes for Simultaneous Detection of Plural Enzyme Activities. <i>Journal of the American Chemical Society</i> , 2020, 142, 20701-20707.	6.6	64
30	Calcioprotein particle-induced cytotoxicity via lysosomal dysfunction and altered cholesterol distribution in renal epithelial HK-2 cells. <i>Scientific Reports</i> , 2020, 10, 20125.	1.6	16
31	A novel method for assessing the renal biopsy specimens using an activatable fluorescent probe. <i>Scientific Reports</i> , 2020, 10, 12094.	1.6	7
32	Rapid and Accurate Visualization of Breast Tumors with a Fluorescent Probe Targeting Î±-Mannosidase 2C1. <i>ACS Central Science</i> , 2020, 6, 2217-2227.	5.3	30
33	Design of spontaneously blinking fluorophores for live-cell super-resolution imaging based on quantum-chemical calculations. <i>Chemical Communications</i> , 2020, 56, 13173-13176.	2.2	24
34	Companion Diagnosis for Retinal Neuroprotective Treatment by Real-Time Imaging of Calpain Activation Using a Novel Fluorescent Probe. <i>Bioconjugate Chemistry</i> , 2020, 31, 2241-2251.	1.8	3
35	Antibody Clicking as a Strategy to Modify Antibody Functionalities on the Surface of Targeted Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 15644-15648.	6.6	11
36	On-Site Monitoring of Postoperative Bile Leakage Using Bilirubin-Inducible Fluorescent Protein. <i>World Journal of Surgery</i> , 2020, 44, 4245-4253.	0.8	1

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37	Recent Progress in Small Spirocyclic, Xanthene-Based Fluorescent Probes. <i>Molecules</i> , 2020, 25, 5964.	1.7	26
38	É-glutamyl hydroxymethyl rhodamine green fluorescence as a prognostic indicator for lung cancer. <i>General Thoracic and Cardiovascular Surgery</i> , 2020, 68, 1418-1424.	0.4	2
39	Activatable fluorescent probes for hydrolase enzymes based on coumarin-hemicyanine hybrid fluorophores with large Stokes shifts. <i>Chemical Communications</i> , 2020, 56, 5617-5620.	2.2	28
40	Molecular design strategy of fluorogenic probes based on quantum chemical prediction of intramolecular spirocyclization. <i>Communications Chemistry</i> , 2020, 3, .	2.0	16
41	A Fluorescent Probe for Rapid, High-Contrast Visualization of Folate-Receptor-Expressing Tumors In Vivo. <i>Angewandte Chemie</i> , 2020, 132, 6071-6076.	1.6	28
42	A Fluorescent Probe for Rapid, High-Contrast Visualization of Folate-Receptor-Expressing Tumors In Vivo. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6015-6020.	7.2	41
43	Detection of early adenocarcinoma of the esophagogastric junction by spraying an enzyme-activatable fluorescent probe targeting Dipeptidyl peptidase-IV. <i>BMC Cancer</i> , 2020, 20, 64.	1.1	12
44	Spontaneously Blinking Fluorophores Based on Nucleophilic Addition/Dissociation of Intracellular Glutathione for Live-Cell Super-resolution Imaging. <i>Journal of the American Chemical Society</i> , 2020, 142, 9625-9633.	6.6	40
45	Multiplexed single-molecule enzyme activity analysis for counting disease-related proteins in biological samples. <i>Science Advances</i> , 2020, 6, eaay0888.	4.7	44
46	Development and validation of an improved dived electrophoresis gel assay cutter-plate system for enzymomics studies. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 82-87.	1.1	10
47	Design strategy for germanium-rhodamine based pH-activatable near-infrared fluorescence probes suitable for biological applications. <i>Communications Chemistry</i> , 2019, 2, .	2.0	29
48	A novel method for rapid detection of a <i>Helicobacter pylori</i> infection using a É-glutamyltranspeptidase-activatable fluorescent probe. <i>Scientific Reports</i> , 2019, 9, 9467.	1.6	11
49	Highly sensitive fluorescence imaging of cancer with avidin-protease probe conjugate. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 126663.	1.0	7
50	Separation-Based Enzymomics Assay for the Discovery of Altered Peptide-Metabolizing Enzymatic Activities in Biosamples. <i>Analytical Chemistry</i> , 2019, 91, 11497-11501.	3.2	4
51	Activatable Photosensitizer for Targeted Ablation of <i>lacZ</i> -Positive Cells with Single-Cell Resolution. <i>ACS Central Science</i> , 2019, 5, 1676-1681.	5.3	50
52	Spray Fluorescent Probes for Fluorescence-Guided Neurosurgery. <i>Frontiers in Oncology</i> , 2019, 9, 727.	1.3	7
53	Development of ratiometric carbohydrate sensor based on boron dipyrromethene (BODIPY) scaffold. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 126684.	1.0	9
54	Chemical toolbox for live™ biochemistry to understand enzymatic functions™ in living systems. <i>Journal of Biochemistry</i> , 2019, 167, 139-149.	0.9	2

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55	Design and Synthesis of an Activatable Photoacoustic Probe for Hypochlorous Acid. <i>Analytical Chemistry</i> , 2019, 91, 9086-9092.	3.2	37
56	Fluorescence Detection of Prostate Cancer by an Activatable Fluorescence Probe for PSMA Carboxypeptidase Activity. <i>Journal of the American Chemical Society</i> , 2019, 141, 10409-10416.	6.6	69
57	Design of Photostable, Activatable Near-Infrared Photoacoustic Probes Using Tautomeric Benzophthalocyanine as a Platform. <i>Angewandte Chemie</i> , 2019, 131, 7870-7873.	1.6	3
58	Design of Photostable, Activatable Near-Infrared Photoacoustic Probes Using Tautomeric Benzophthalocyanine as a Platform. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7788-7791.	7.2	38
59	Red Fluorescence Probe Targeted to Dipeptidylpeptidase-IV for Highly Sensitive Detection of Esophageal Cancer. <i>Bioconjugate Chemistry</i> , 2019, 30, 1055-1060.	1.8	25
60	Development of a platform for activatable fluorescent substrates of glucose transporters (GLUTs). <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2122-2126.	1.4	2
61	A novel liver-specific fluorescent anti-cancer drug delivery system using indocyanine green. <i>Scientific Reports</i> , 2019, 9, 3044.	1.6	9
62	BOT-03 INVESTIGATION OF NOVEL SPRAY TYPE FLUORESCENT PROBE FOR GLIOBLASTOMA DETECTION. <i>Neuro-Oncology Advances</i> , 2019, 1, ii12-ii12.	0.4	0
63	Rapid detection of superficial head and neck squamous cell carcinoma by topically spraying fluorescent probe targeting dipeptidyl peptidase-IV. <i>Head and Neck</i> , 2018, 40, 1466-1475.	0.9	12
64	Development of a Series of Practical Fluorescent Chemical Tools To Measure pH Values in Living Samples. <i>Journal of the American Chemical Society</i> , 2018, 140, 5925-5933.	6.6	115
65	Establishment of Molecular Design Strategy To Obtain Activatable Fluorescent Probes for Carboxypeptidases. <i>Journal of the American Chemical Society</i> , 2018, 140, 1767-1773.	6.6	55
66	Silicon Rhodamine-Based Near-Infrared Fluorescent Probe for $\hat{1}^3$ -Glutamyltransferase. <i>Bioconjugate Chemistry</i> , 2018, 29, 241-244.	1.8	72
67	Macrophage extracellular trap formation promoted by platelet activation is a key mediator of rhabdomyolysis-induced acute kidney injury. <i>Nature Medicine</i> , 2018, 24, 232-238.	15.2	139
68	A green-light-emitting, spontaneously blinking fluorophore based on intramolecular spirocyclization for dual-colour super-resolution imaging. <i>Chemical Communications</i> , 2018, 54, 102-105.	2.2	54
69	IL-1 $\hat{1}^2$ Induces Pathologically Activated Osteoclasts Bearing Extremely High Levels of Resorbing Activity: A Possible Pathological Subpopulation of Osteoclasts, Accompanied by Suppressed Expression of Kindlin-3 and Talin-1. <i>Journal of Immunology</i> , 2018, 200, 218-228.	0.4	57
70	Factors affecting the uncaging efficiency of 500-nm light-activatable BODIPY caging group. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1-5.	1.0	17
71	SURG-11. PATHOLOGICAL INVESTIGATION OF NOVEL SPRAY-TYPE FLUORESCENT PROBES FOR BRAIN TUMORS. <i>Neuro-Oncology</i> , 2018, 20, vi252-vi253.	0.6	0
72	Red-Shifted Fluorogenic Substrate for Detection of $\hat{1}^3$ -Positive Cells in Living Tissue with Single-Cell Resolution. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15702-15706.	7.2	38

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73	Red-shifted Fluorogenic Substrate for Detection of <i>lacZ</i> -Positive Cells in Living Tissue with Single-Cell Resolution. <i>Angewandte Chemie</i> , 2018, 130, 15928-15932.	1.6	7
74	Synthesis of unsymmetrical Si-rhodamine fluorophores and application to a far-red to near-infrared fluorescence probe for hypoxia. <i>Chemical Communications</i> , 2018, 54, 6939-6942.	2.2	36
75	A Reversible Fluorescent Probe for Real-Time Live-Cell Imaging and Quantification of Endogenous Hydropolysulfides. <i>Angewandte Chemie</i> , 2018, 130, 9490-9494.	1.6	9
76	A Reversible Fluorescent Probe for Real-Time Live-Cell Imaging and Quantification of Endogenous Hydropolysulfides. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9346-9350.	7.2	60
77	Development of Dipicolylamine-Modified Cyclodextrins for the Design of Selective Guest-Responsive Receptors for ATP. <i>Molecules</i> , 2018, 23, 635.	1.7	15
78	Hybrid cell reactor system from <i>Escherichia coli</i> protoplast cells and arrayed lipid bilayer chamber device. <i>Scientific Reports</i> , 2018, 8, 11757.	1.6	7
79	Pancreatic Compression during Lymph Node Dissection in Laparoscopic Gastrectomy: Possible Cause of Pancreatic Leakage. <i>Journal of Gastric Cancer</i> , 2018, 18, 134.	0.9	26
80	Cryogenic Fluorescence Localization Microscopy of Spectrally Selected Individual FRET Pairs in a Water Matrix. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6906-6911.	1.2	7
81	Development of an Azoreductase-based Reporter System with Synthetic Fluorogenic Substrates. <i>ACS Chemical Biology</i> , 2017, 12, 558-563.	1.6	33
82	Discovery of Cell-Type-Specific and Disease-Related Enzymatic Activity Changes via Global Evaluation of Peptide Metabolism. <i>Journal of the American Chemical Society</i> , 2017, 139, 3465-3472.	6.6	17
83	Intraoperative imaging of hepatic cancers using \hat{I}^3 -glutamyltranspeptidase-specific fluorophore enabling real-time identification and estimation of recurrence. <i>Scientific Reports</i> , 2017, 7, 3542.	1.6	46
84	An Activatable Photosensitizer Targeted to \hat{I}^3 -Glutamyltranspeptidase. <i>Angewandte Chemie</i> , 2017, 129, 10554-10558.	1.6	33
85	An Activatable Photosensitizer Targeted to \hat{I}^3 -Glutamyltranspeptidase. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10418-10422.	7.2	127
86	Fluorescence detection of serum albumin with a turnover-based sensor utilizing Kemp elimination reaction. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 3464-3467.	1.0	13
87	Development of Chemical Tools to Monitor and Control Isoaspartyl Peptide Methyltransferase Activity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 153-157.	7.2	11
88	Development of a reversible fluorescent probe for reactive sulfur species, sulfane sulfur, and its biological application. <i>Chemical Communications</i> , 2017, 53, 1064-1067.	2.2	70
89	Development of Highly Selective Fluorescent Probe Enabling Flow-Cytometric Isolation of ALDH3A1-Positive Viable Cells. <i>Bioconjugate Chemistry</i> , 2017, 28, 302-306.	1.8	8
90	Development of an Azo-Based Photosensitizer Activated under Mild Hypoxia for Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2017, 139, 13713-13719.	6.6	206

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91	Development of an Activatable Fluorescent Probe for Prostate Cancer Imaging. <i>Bioconjugate Chemistry</i> , 2017, 28, 2069-2076.	1.8	26
92	Long time-lapse nanoscopy with spontaneously blinking membrane probes. <i>Nature Biotechnology</i> , 2017, 35, 773-780.	9.4	157
93	Rational design of reversible fluorescent probes for live-cell imaging and quantification of fast glutathione dynamics. <i>Nature Chemistry</i> , 2017, 9, 279-286.	6.6	398
94	Systemically Injectable Enzyme-Loaded Polyion Complex Vesicles as In Vivo Nanoreactors Functioning in Tumors. <i>Angewandte Chemie</i> , 2016, 128, 570-575.	1.6	28
95	Asymmetric Rhodamine-Based Fluorescent Probe for Multicolour In Vivo Imaging. <i>Chemistry - A European Journal</i> , 2016, 22, 1696-1703.	1.7	51
96	Rapid diagnosis of lymph node metastasis in breast cancer using a new fluorescent method with β -glutamyl hydroxymethyl rhodamine green. <i>Scientific Reports</i> , 2016, 6, 27525.	1.6	22
97	Quantitating intracellular oxygen tension in vivo by phosphorescence lifetime measurement. <i>Scientific Reports</i> , 2016, 5, 17838.	1.6	43
98	Fluorescent imaging of superficial head and neck squamous cell carcinoma using a β -glutamyltranspeptidase-activated targeting agent: a pilot study. <i>BMC Cancer</i> , 2016, 16, 411.	1.1	28
99	Detection of NAD(P)H-dependent enzyme activity by time-domain ratiometry of terbium luminescence. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2314-2317.	1.0	8
100	Confocal Bioluminescence Imaging for Living Tissues with a Caged Substrate of Luciferin. <i>Analytical Chemistry</i> , 2016, 88, 6231-6238.	3.2	9
101	Rapid Cancer Fluorescence Imaging Using A β -Glutamyltranspeptidase-Specific Probe For Primary Lung Cancer. <i>Translational Oncology</i> , 2016, 9, 203-210.	1.7	33
102	Rapid and sensitive fluorescent imaging of tiny tumors in vivo and in clinical specimens. <i>Current Opinion in Chemical Biology</i> , 2016, 33, 9-15.	2.8	18
103	Lactoferrin Suppresses Neutrophil Extracellular Traps Release in Inflammation. <i>EBioMedicine</i> , 2016, 10, 204-215.	2.7	131
104	Development of practical red fluorescent probe for cytoplasmic calcium ions with greatly improved cell-membrane permeability. <i>Cell Calcium</i> , 2016, 60, 256-265.	1.1	24
105	Detection of <i>LacZ</i> -Positive Cells in Living Tissue with Single-Cell Resolution. <i>Angewandte Chemie</i> , 2016, 128, 9772-9776.	1.6	15
106	Detection of <i>LacZ</i> -Positive Cells in Living Tissue with Single-Cell Resolution. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9620-9624.	7.2	107
107	Rapid and sensitive detection of early esophageal squamous cell carcinoma with fluorescence probe targeting dipeptidylpeptidase IV. <i>Scientific Reports</i> , 2016, 6, 26399.	1.6	65
108	Systemically Injectable Enzyme-Loaded Polyion Complex Vesicles as In Vivo Nanoreactors Functioning in Tumors. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 560-565.	7.2	149

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109	Unexpected Photo-instability of 2,6-Sulfonamide-Substituted BODIPYs and Its Application to Caged GABA. <i>ChemBioChem</i> , 2016, 17, 1233-1240.	1.3	16
110	Novel Hexosaminidase-Targeting Fluorescence Probe for Visualizing Human Colorectal Cancer. <i>Bioconjugate Chemistry</i> , 2016, 27, 973-981.	1.8	44
111	Oral cancer intraoperative detection by topically spraying a β -glutamyl transpeptidase-activated fluorescent probe. <i>Oral Oncology</i> , 2016, 54, e16-e18.	0.8	26
112	Discovery of a pyruvylated peptide-metabolizing enzyme using a fluorescent substrate-based protein discovery technique. <i>Chemical Communications</i> , 2016, 52, 4377-4380.	2.2	7
113	Feasibility of Using an Enzymatically Activatable Fluorescence Probe for the Rapid Evaluation of Pancreatic Tissue Obtained Using Endoscopic Ultrasound-Guided Fine Needle Aspiration: a Pilot Study. <i>Molecular Imaging and Biology</i> , 2016, 18, 463-471.	1.3	14
114	High affinity receptor labeling based on basic leucine zipper domain peptides conjugated with pH-sensitive fluorescent dye: Visualization of AMPA-type glutamate receptor endocytosis in living neurons. <i>Neuropharmacology</i> , 2016, 100, 66-75.	2.0	8
115	Evaluation of Enzymatic Activities in Living Systems with Small-molecular Fluorescent Substrate Probes. <i>Analytical Sciences</i> , 2015, 31, 257-265.	0.8	41
116	Rapid intraoperative visualization of breast lesions with β -glutamyl hydroxymethyl rhodamine green. <i>Scientific Reports</i> , 2015, 5, 12080.	1.6	89
117	Development of Spontaneously Blinking Fluorophores for Super-Resolution Imaging. <i>Seibutsu Butsuri</i> , 2015, 55, 031-033.	0.0	0
118	Sensitive β -galactosidase-targeting fluorescence probe for visualizing small peritoneal metastatic tumours in vivo. <i>Nature Communications</i> , 2015, 6, 6463.	5.8	334
119	A Pilot Study of Fluorescent Imaging of Colorectal Tumors Using a β -Glutamyl-Transpeptidase-Activatable Fluorescent Probe. <i>Digestion</i> , 2015, 91, 70-76.	1.2	32
120	Photoacoustic imaging of small organic molecule-based photoacoustic probe in subcutaneous tumor using P(VDF-TrFE) acoustic sensor. , 2015, , .		1
121	A guide to use photocontrollable fluorescent proteins and synthetic smart fluorophores for nanoscopy. <i>Microscopy (Oxford, England)</i> , 2015, 64, 263-277.	0.7	37
122	Detection of NAD(P)H-dependent enzyme activity with dynamic luminescence quenching of terbium complexes. <i>Chemical Communications</i> , 2015, 51, 8319-8322.	2.2	22
123	Development of a Series of Near-Infrared Dark Quenchers Based on Si-rhodamines and Their Application to Fluorescent Probes. <i>Journal of the American Chemical Society</i> , 2015, 137, 4759-4765.	6.6	109
124	Intraoperative Visualization of Pancreatic Juice Leaking From the Pancreatic Stump in a Swine Model. <i>Gastroenterology</i> , 2015, 149, 1334-1336.	0.6	18
125	Identification of Tissue-Restricted Bioreaction Suitable for in Vivo Targeting by Fluorescent Substrate Library-Based Enzyme Discovery. <i>Journal of the American Chemical Society</i> , 2015, 137, 12187-12190.	6.6	20
126	Photoacoustic Tomography of Human Hepatic Malignancies Using Intraoperative Indocyanine Green Fluorescence Imaging. <i>PLoS ONE</i> , 2014, 9, e112667.	1.1	36

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127	Selective Ablation of β -Galactosidase-Expressing Cells with a Rationally Designed Activatable Photosensitizer. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6772-6775.	7.2	102
128	Arrayed lipid bilayer chambers allow single-molecule analysis of membrane transporter activity. <i>Nature Communications</i> , 2014, 5, 4519.	5.8	101
129	Mechanistic Background and Clinical Applications of Indocyanine Green Fluorescence Imaging of Hepatocellular Carcinoma. <i>Annals of Surgical Oncology</i> , 2014, 21, 440-448.	0.7	197
130	A highly sensitive, cell-membrane-permeable fluorescent probe for glutathione. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4363-4366.	1.0	24
131	Torque Generation Mechanism of F1-ATPase upon NTP Binding. <i>Biophysical Journal</i> , 2014, 107, 156-164.	0.2	14
132	<i>In Vivo</i> Imaging of Intraperitoneally Disseminated Tumors in Model Mice by Using Activatable Fluorescent Small-Molecular Probes for Activity of Cathepsins. <i>Bioconjugate Chemistry</i> , 2014, 25, 1838-1846.	1.8	54
133	A spontaneously blinking fluorophore based on intramolecular spirocyclization for live-cell super-resolution imaging. <i>Nature Chemistry</i> , 2014, 6, 681-689.	6.6	374
134	Rational Design of Highly Sensitive Fluorescence Probes for Protease and Glycosidase Based on Precisely Controlled Spirocyclization. <i>Journal of the American Chemical Society</i> , 2013, 135, 409-414.	6.6	231
135	Development of NIR Fluorescent Dyes Based on Si-rhodamine for <i>In Vivo</i> Imaging. <i>Journal of the American Chemical Society</i> , 2012, 134, 5029-5031.	6.6	259
136	Novel live imaging techniques of cellular functions and <i>in vivo</i> tumors based on precise design of small molecule-based "Activatable" fluorescence probes. <i>Current Opinion in Chemical Biology</i> , 2012, 16, 602-608.	2.8	52
137	A long-lived luminescent probe to sensitively detect arylamine N-acetyltransferase (NAT) activity of cells. <i>Chemical Communications</i> , 2012, 48, 2234.	2.2	40
138	Rational design of boron dipyrromethene (BODIPY)-based photobleaching-resistant fluorophores applicable to a protein dynamics study. <i>Chemical Communications</i> , 2011, 47, 10055.	2.2	54
139	Evolution of Group 14 Rhodamines as Platforms for Near-Infrared Fluorescence Probes Utilizing Photoinduced Electron Transfer. <i>ACS Chemical Biology</i> , 2011, 6, 600-608.	1.6	339
140	β -Galactosidase Fluorescence Probe with Improved Cellular Accumulation Based on a Spirocyclized Rhodol Scaffold. <i>Journal of the American Chemical Society</i> , 2011, 133, 12960-12963.	6.6	216
141	Development of an Si-Rhodamine-Based Far-Red to Near-Infrared Fluorescence Probe Selective for Hypochlorous Acid and Its Applications for Biological Imaging. <i>Journal of the American Chemical Society</i> , 2011, 133, 5680-5682.	6.6	524
142	Rapid Cancer Detection by Topically Spraying a β -Glutamyltranspeptidase-Activated Fluorescent Probe. <i>Science Translational Medicine</i> , 2011, 3, 110ra119.	5.8	404
143	Design and synthesis of a novel fluorescence probe for Zn ²⁺ based on the spirolactam ring-opening process of rhodamine derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1072-1078.	1.4	63
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