Yasuteru Urano

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.

159 papers	10,970 citations	44 h-index	103 g-index
174 ext. papers	12,584 ext. citations	8.7 avg, IF	6.22 L-index

#	Paper	IF	Citations
159	New strategies for fluorescent probe design in medical diagnostic imaging. *Chemical Reviews*, **2010**, 110, 2620-40	68.1	1668
158	Development of novel fluorescence probes that can reliably detect reactive oxygen species and distinguish specific species. *Journal of Biological Chemistry*, **2003**, 278, 3170-5	5.4	968
157	Selective molecular imaging of viable cancer cells with pH-activatable fluorescence probes. *Nature Medicine*, **2009**, 15, 104-9	50.5	657
156	Evolution of fluorescein as a platform for finely tunable fluorescence probes. *Journal of the American Chemical Society*, **2005**, 127, 4888-94	16.4	553
155	Development of an Si-rhodamine-based far-red to near-infrared fluorescence probe selective for hypochlorous acid and its applications for biological imaging. *Journal of the American Chemical Society*, **2011**, 133, 5680-2	16.4	463
154	Development of a highly specific rhodamine-based fluorescence probe for hypochlorous acid and its application to real-time imaging of phagocytosis. *Journal of the American Chemical Society*, **2007**, 129, 7313-8	16.4	395
153	Rapid cancer detection by topically spraying a γ-glutamyltranspeptidase-activated fluorescent probe. *Science Translational Medicine*, **2011**, 3, 110ra119	17.5	323
152	Rational design of reversible fluorescent probes for live-cell imaging and quantification of fast glutathione dynamics. *Nature Chemistry*, **2017**, 9, 279-286	17.6	276
151	Rational principles for modulating fluorescence properties of fluorescein. *Journal of the American Chemical Society*, **2004**, 126, 14079-85	16.4	270
150	Evolution of group 14 rhodamines as platforms for near-infrared fluorescence probes utilizing photoinduced electron transfer. *ACS Chemical Biology*, **2011**, 6, 600-8	4.9	264
149	Bioimaging of nitric oxide with fluorescent indicators based on the rhodamine chromophore. *Analytical Chemistry*, **2001**, 73, 1967-73	7.8	252
148	A spontaneously blinking fluorophore based on intramolecular spirocyclization for live-cell super-resolution imaging. *Nature Chemistry*, **2014**, 6, 681-9	17.6	250
147	Sensitive β-galactosidase-targeting fluorescence probe for visualizing small peritoneal metastatic tumours in vivo. *Nature Communications*, **2015**, 6, 6463	17.4	249
146	Development of NIR fluorescent dyes based on Si-rhodamine for in vivo imaging. *Journal of the American Chemical Society*, **2012**, 134, 5029-31	16.4	211
145	β-Galactosidase fluorescence probe with improved cellular accumulation based on a spirocyclized rhodol scaffold. *Journal of the American Chemical Society*, **2011**, 133, 12960-3	16.4	187
144	Rational design of highly sensitive fluorescence probes for protease and glycosidase based on precisely controlled spirocyclization. *Journal of the American Chemical Society*, **2013**, 135, 409-14	16.4	182
143	Development of an Azo-Based Photosensitizer Activated under Mild Hypoxia for Photodynamic Therapy. *Journal of the American Chemical Society*, **2017**, 139, 13713-13719	16.4	142

142	An enzymatically activated fluorescence probe for targeted tumor imaging. *Journal of the American Chemical Society*, **2007**, 129, 3918-29	16.4	141
141	Mechanistic background and clinical applications of indocyanine green fluorescence imaging of hepatocellular carcinoma. *Annals of Surgical Oncology*, **2014**, 21, 440-8	3.1	138
140	Systemically Injectable Enzyme-Loaded Polyion Complex Vesicles as In Vivo Nanoreactors Functioning in Tumors. *Angewandte Chemie - International Edition*, **2016**, 55, 560-5	16.4	111
139	Long time-lapse nanoscopy with spontaneously blinking membrane probes. *Nature Biotechnology*, **2017**, 35, 773-780	44.5	100
138	Imaging of caspase-3 activation in HeLa cells stimulated with etoposide using a novel fluorescent probe. *FEBS Letters*, **1999**, 453, 356-60	3.8	97
137	An Activatable Photosensitizer Targeted to Glutamyltranspeptidase. *Angewandte Chemie - International Edition*, **2017**, 56, 10418-10422	16.4	95
136	A target cell-specific activatable fluorescence probe for in vivo molecular imaging of cancer based on a self-quenched avidin-rhodamine conjugate. *Cancer Research*, **2007**, 67, 2791-9	10.1	95
135	Development of a Series of Practical Fluorescent Chemical Tools To Measure pH Values in Living Samples. *Journal of the American Chemical Society*, **2018**, 140, 5925-5933	16.4	88
134	Fluorophore-quencher based activatable targeted optical probes for detecting in vivo cancer metastases. *Molecular Pharmaceutics*, **2009**, 6, 386-95	5.6	88
133	Selective ablation of galactosidase-expressing cells with a rationally designed activatable photosensitizer. *Angewandte Chemie - International Edition*, **2014**, 53, 6772-5	16.4	85
132	Lactoferrin Suppresses Neutrophil Extracellular Traps Release in Inflammation. *EBioMedicine*, **2016**, 10, 204-15	8.8	81
131	BOT-03 INVESTIGATION OF NOVEL SPRAY TYPE FLUORESCENT PROBE FOR GLIOBLASTOMA DETECTION. *Neuro-Oncology Advances*, **2019**, 1, ii12-ii12	0.9	78
130	SURG-11. PATHOLOGICAL INVESTIGATION OF NOVEL SPRAY-TYPE FLUORESCENT PROBES FOR BRAIN TUMORS. *Neuro-Oncology*, **2018**, 20, vi252-vi253	1	78
129	Development of a series of near-infrared dark quenchers based on Si-rhodamines and their application to fluorescent probes. *Journal of the American Chemical Society*, **2015**, 137, 4759-65	16.4	76
128	Detection of LacZ-Positive Cells in Living Tissue with Single-Cell Resolution. *Angewandte Chemie - International Edition*, **2016**, 55, 9620-4	16.4	73
127	Arrayed lipid bilayer chambers allow single-molecule analysis of membrane transporter activity. *Nature Communications*, **2014**, 5, 4519	17.4	73
126	Macrophage extracellular trap formation promoted by platelet activation is a key mediator of rhabdomyolysis-induced acute kidney injury. *Nature Medicine*, **2018**, 24, 232-238	50.5	72
125	Rapid intraoperative visualization of breast lesions with glutamyl hydroxymethyl rhodamine green. *Scientific Reports*, **2015**, 5, 12080	4.9	70

124	Design and development of enzymatically activatable photosensitizer based on unique characteristics of thiazole orange. *Journal of the American Chemical Society*, **2009**, 131, 6058-9	16.4	63
123	Development of 2,6-carboxy-substituted boron dipyrromethene (BODIPY) as a novel scaffold of ratiometric fluorescent probes for live cell imaging. *Chemical Communications*, **2009**, 7015-7	5.8	60
122	Design and synthesis of a novel fluorescence probe for Zn2+ based on the spirolactam ring-opening process of rhodamine derivatives. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 1072-8	3.4	59
121	Development of a reversible fluorescent probe for reactive sulfur species, sulfane sulfur, and its biological application. *Chemical Communications*, **2017**, 53, 1064-1067	5.8	55
120	Silicon Rhodamine-Based Near-Infrared Fluorescent Probe for γ-Glutamyltransferase. *Bioconjugate Chemistry*, **2018**, 29, 241-244	6.3	52
119	Rational design of boron dipyrromethene (BODIPY)-based photobleaching-resistant fluorophores applicable to a protein dynamics study. *Chemical Communications*, **2011**, 47, 10055-7	5.8	51
118	In vivo spectral fluorescence imaging of submillimeter peritoneal cancer implants using a lectin-targeted optical agent. *Neoplasia*, **2006**, 8, 607-12	6.4	51
117	In vivo imaging of intraperitoneally disseminated tumors in model mice by using activatable fluorescent small-molecular probes for activity of cathepsins. *Bioconjugate Chemistry*, **2014**, 25, 1838-46	6.3	49
116	Rapid and sensitive detection of early esophageal squamous cell carcinoma with fluorescence probe targeting dipeptidylpeptidase IV. *Scientific Reports*, **2016**, 6, 26399	4.9	47
115	Targeted optical imaging of cancer cells using lectin-binding BODIPY conjugated avidin. *Biochemical and Biophysical Research Communications*, **2006**, 348, 807-13	3.4	44
114	Novel live imaging techniques of cellular functions and in vivo tumors based on precise design of small molecule-based activatable fluorescence probes. *Current Opinion in Chemical Biology*, **2012**, 16, 602-8	9.7	43
113	Fluorescence Detection of Prostate Cancer by an Activatable Fluorescence Probe for PSMA Carboxypeptidase Activity. *Journal of the American Chemical Society*, **2019**, 141, 10409-10416	16.4	42
112	Establishment of Molecular Design Strategy To Obtain Activatable Fluorescent Probes for Carboxypeptidases. *Journal of the American Chemical Society*, **2018**, 140, 1767-1773	16.4	41
111	Asymmetric Rhodamine-Based Fluorescent Probe for Multicolour In Vivo Imaging. *Chemistry - A European Journal*, **2016**, 22, 1696-703	4.8	40
110	IL-1β 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. *Journal of Immunology*, **2018**, 200, 218-228	5.3	39
109	Novel Hexosaminidase-Targeting Fluorescence Probe for Visualizing Human Colorectal Cancer. *Bioconjugate Chemistry*, **2016**, 27, 973-81	6.3	36
108	A long-lived luminescent probe to sensitively detect arylamine N-acetyltransferase (NAT) activity of cells. *Chemical Communications*, **2012**, 48, 2234-6	5.8	36
107	A self-quenched galactosamine-serum albumin-rhodamineX conjugate: a "smart" fluorescent molecular imaging probe synthesized with clinically applicable material for detecting peritoneal ovarian cancer metastases. *Clinical Cancer Research*, **2007**, 13, 6335-43	12.9	36

106	A green-light-emitting, spontaneously blinking fluorophore based on intramolecular spirocyclization for dual-colour super-resolution imaging. *Chemical Communications*, **2017**, 54, 102-105	5.8	36
105	A Reversible Fluorescent Probe for Real-Time Live-Cell Imaging and Quantification of Endogenous Hydropolysulfides. *Angewandte Chemie - International Edition*, **2018**, 57, 9346-9350	16.4	36
104	Evaluation of enzymatic activities in living systems with small-molecular fluorescent substrate probes. *Analytical Sciences*, **2015**, 31, 257-65	1.7	34
103	Quantitating intracellular oxygen tension in vivo by phosphorescence lifetime measurement. *Scientific Reports*, **2015**, 5, 17838	4.9	33
102	Intraoperative imaging of hepatic cancers using γ-glutamyltranspeptidase-specific fluorophore enabling real-time identification and estimation of recurrence. *Scientific Reports*, **2017**, 7, 3542	4.9	32
101	A guide to use photocontrollable fluorescent proteins and synthetic smart fluorophores for nanoscopy. *Microscopy (Oxford, England)*, **2015**, 64, 263-77	1.3	31
100	Photoacoustic tomography of human hepatic malignancies using intraoperative indocyanine green fluorescence imaging. *PLoS ONE*, **2014**, 9, e112667	3.7	29
99	Development of an Azoreductase-based Reporter System with Synthetic Fluorogenic Substrates. *ACS Chemical Biology*, **2017**, 12, 558-563	4.9	28
98	A pilot study of fluorescent imaging of colorectal tumors using a γ-glutamyl-transpeptidase-activatable fluorescent probe. *Digestion*, **2015**, 91, 70-6	3.6	27
97	An Activatable Photosensitizer Targeted to γ-Glutamyltranspeptidase. *Angewandte Chemie*, **2017**, 129, 10554-10558	3.6	26
96	Activatable Photosensitizer for Targeted Ablation of -Positive Cells with Single-Cell Resolution. *ACS Central Science*, **2019**, 5, 1676-1681	16.8	26
95	Design of Photostable, Activatable Near-Infrared Photoacoustic Probes Using Tautomeric Benziphthalocyanine as a Platform. *Angewandte Chemie - International Edition*, **2019**, 58, 7788-7791	16.4	26
94	Multicolor Activatable Raman Probes for Simultaneous Detection of Plural Enzyme Activities. *Journal of the American Chemical Society*, **2020**, 142, 20701-20707	16.4	25
93	Systemically Injectable Enzyme-Loaded Polyion Complex Vesicles as In Vivo Nanoreactors Functioning in Tumors. *Angewandte Chemie*, **2016**, 128, 570-575	3.6	25
92	Spontaneously Blinking Fluorophores Based on Nucleophilic Addition/Dissociation of Intracellular Glutathione for Live-Cell Super-resolution Imaging. *Journal of the American Chemical Society*, **2020**, 142, 9625-9633	16.4	24
91	γ-Glutamyltranspeptidase (GGT)-Activatable Fluorescence Probe for Durable Tumor Imaging. *Angewandte Chemie - International Edition*, **2021**, 60, 2125-2129	16.4	23
90	Synthesis of unsymmetrical Si-rhodamine fluorophores and application to a far-red to near-infrared fluorescence probe for hypoxia. *Chemical Communications*, **2018**, 54, 6939-6942	5.8	23
89	Design and Synthesis of an Activatable Photoacoustic Probe for Hypochlorous Acid. *Analytical Chemistry*, **2019**, 91, 9086-9092	7.8	21

88	A highly sensitive, cell-membrane-permeable fluorescent probe for glutathione. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 4363-4366	2.9	21
87	Fluorescent imaging of superficial head and neck squamous cell carcinoma using a γglutamyltranspeptidase-activated targeting agent: a pilot study. *BMC Cancer*, **2016**, 16, 411	4.8	21
86	Red-Shifted Fluorogenic Substrate for Detection of lacZ-Positive Cells in Living Tissue with Single-Cell Resolution. *Angewandte Chemie - International Edition*, **2018**, 57, 15702-15706	16.4	21
85	Detection of NAD(P)H-dependent enzyme activity with dynamic luminescence quenching of terbium complexes. *Chemical Communications*, **2015**, 51, 8319-22	5.8	20
84	Development of practical red fluorescent probe for cytoplasmic calcium ions with greatly improved cell-membrane permeability. *Cell Calcium*, **2016**, 60, 256-65	4	20
83	Oral cancer intraoperative detection by topically spraying a γglutamyl transpeptidase-activated fluorescent probe. *Oral Oncology*, **2016**, 54, e16-8	4.4	20
82	A Fluorescent Probe for Rapid, High-Contrast Visualization of Folate-Receptor-Expressing Tumors In Vivo. *Angewandte Chemie - International Edition*, **2020**, 59, 6015-6020	16.4	19
81	Development of an Activatable Fluorescent Probe for Prostate Cancer Imaging. *Bioconjugate Chemistry*, **2017**, 28, 2069-2076	6.3	19
80	Rapid Cancer Fluorescence Imaging Using A γGlutamyltranspeptidase-Specific Probe For Primary Lung Cancer. *Translational Oncology*, **2016**, 9, 203-10	4.9	18
79	Identification of tissue-restricted bioreaction suitable for in vivo targeting by fluorescent substrate library-based enzyme discovery. *Journal of the American Chemical Society*, **2015**, 137, 12187-90	16.4	17
78	Selective Ablation of βGalactosidase-Expressing Cells with a Rationally Designed Activatable Photosensitizer. *Angewandte Chemie*, **2014**, 126, 6890-6893	3.6	17
77	Pancreatic Compression during Lymph Node Dissection in Laparoscopic Gastrectomy: Possible Cause of Pancreatic Leakage. *Journal of Gastric Cancer*, **2018**, 18, 134-141	3.2	16
76	Design strategy for germanium-rhodamine based pH-activatable near-infrared fluorescence probes suitable for biological applications. *Communications Chemistry*, **2019**, 2,	6.3	15
75	Rapid diagnosis of lymph node metastasis in breast cancer using a new fluorescent method with γglutamyl hydroxymethyl rhodamine green. *Scientific Reports*, **2016**, 6, 27525	4.9	15
74	Rapid and sensitive fluorescent imaging of tiny tumors in vivo and in clinical specimens. *Current Opinion in Chemical Biology*, **2016**, 33, 9-15	9.7	15
73	Discovery of Cell-Type-Specific and Disease-Related Enzymatic Activity Changes via Global Evaluation of Peptide Metabolism. *Journal of the American Chemical Society*, **2017**, 139, 3465-3472	16.4	14
72	Red Fluorescence Probe Targeted to Dipeptidylpeptidase-IV for Highly Sensitive Detection of Esophageal Cancer. *Bioconjugate Chemistry*, **2019**, 30, 1055-1060	6.3	14
71	Intraoperative visualization of pancreatic juice leaking from the pancreatic stump in a swine model. *Gastroenterology*, **2015**, 149, 1334-6	13.3	14

70	Multiplexed single-molecule enzyme activity analysis for counting disease-related proteins in biological samples. *Science Advances*, **2020**, 6, eaay0888	14.3	14
69	Acidic-pH-Activatable Fluorescence Probes for Visualizing Exocytosis Dynamics. *Angewandte Chemie*, **2014**, 126, 6199-6203	3.6	14
68	Development of enzyme-activated photosensitizer based on intramolecular electron transfer. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 4320-3	2.9	14
67	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. *Molecular Imaging and Biology*, **2016**, 18, 463-71	3.8	12
66	Unexpected Photo-instability of 2,6-Sulfonamide-Substituted BODIPYs and Its Application to Caged GABA. *ChemBioChem*, **2016**, 17, 1233-40	3.8	12
65	Torque generation mechanism of F1-ATPase upon NTP binding. *Biophysical Journal*, **2014**, 107, 156-64	2.9	12
64	Rational Design and Development of Near-Infrared-Emitting Firefly Luciferins Available In Vivo. *Angewandte Chemie*, **2013**, 125, 1213-1217	3.6	12
63	Development of Chemical Tools to Monitor and Control Isoaspartyl Peptide Methyltransferase Activity. *Angewandte Chemie - International Edition*, **2017**, 56, 153-157	16.4	11
62	Development of Dipicolylamine-Modified Cyclodextrins for the Design of Selective Guest-Responsive Receptors for ATP. *Molecules*, **2018**, 23,	4.8	11
61	Factors affecting the uncaging efficiency of 500 nm light-activatable BODIPY caging group. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 1-5	2.9	11
60	Fluorescence detection of serum albumin with a turnover-based sensor utilizing Kemp elimination reaction. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 3464-3467	2.9	10
59	Detection of LacZ-Positive Cells in Living Tissue with Single-Cell Resolution. *Angewandte Chemie*, **2016**, 128, 9772-9776	3.6	10
58	Development of a Sensitive Bioluminogenic Probe for Imaging Highly Reactive Oxygen Species in Living Rats. *Angewandte Chemie*, **2015**, 127, 14981-14984	3.6	10
57	Activatable fluorescent probes for hydrolase enzymes based on coumarin-hemicyanine hybrid fluorophores with large Stokes shifts. *Chemical Communications*, **2020**, 56, 5617-5620	5.8	9
56	Detection of early adenocarcinoma of the esophagogastric junction by spraying an enzyme-activatable fluorescent probe targeting Dipeptidyl peptidase-IV. *BMC Cancer*, **2020**, 20, 64	4.8	9
55	A novel sialidase-activatable fluorescence probe with improved stability for the sensitive detection of sialidase. *Bioorganic and Medicinal Chemistry Letters*, **2020**, 30, 126860	2.9	9
54	Molecular design strategy of fluorogenic probes based on quantum chemical prediction of intramolecular spirocyclization. *Communications Chemistry*, **2020**, 3,	6.3	8
53	Design of spontaneously blinking fluorophores for live-cell super-resolution imaging based on quantum-chemical calculations. *Chemical Communications*, **2020**, 56, 13173-13176	5.8	8

52	Confocal Bioluminescence Imaging for Living Tissues with a Caged Substrate of Luciferin. *Analytical Chemistry*, **2016**, 88, 6231-8	7.8	8
51	Development of Highly Selective Fluorescent Probe Enabling Flow-Cytometric Isolation of ALDH3A1-Positive Viable Cells. *Bioconjugate Chemistry*, **2017**, 28, 302-306	6.3	7
50	Rapid detection of superficial head and neck squamous cell carcinoma by topically spraying fluorescent probe targeting dipeptidyl peptidase-IV. *Head and Neck*, **2018**, 40, 1466-1475	4.2	7
49	Discovery of a pyruvylated peptide-metabolizing enzyme using a fluorescent substrate-based protein discovery technique. *Chemical Communications*, **2016**, 52, 4377-80	5.8	7
48	A novel method for rapid detection of a Helicobacter pylori infection using a γ-glutamyltranspeptidase-activatable fluorescent probe. *Scientific Reports*, **2019**, 9, 9467	4.9	7
47	Rapid and Accurate Visualization of Breast Tumors with a Fluorescent Probe Targeting α-Mannosidase 2C1. *ACS Central Science*, **2020**, 6, 2217-2227	16.8	7
46	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. *Neuropharmacology*, **2016**, 100, 66-75	5.5	6
45	Development of ratiometric carbohydrate sensor based on boron dipyrromethene (BODIPY) scaffold. *Bioorganic and Medicinal Chemistry Letters*, **2019**, 29, 126684	2.9	6
44	Development and validation of an improved diced electrophoresis gel assay cutter-plate system for enzymomics studies. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2019**, 1867, 82-87	4	6
43	Antibody Clicking as a Strategy to Modify Antibody Functionalities on the Surface of Targeted Cells. *Journal of the American Chemical Society*, **2020**, 142, 15644-15648	16.4	6
42	Recent Progress in Small Spirocyclic, Xanthene-Based Fluorescent Probes. *Molecules*, **2020**, 25,	4.8	6
41	A novel liver-specific fluorescent anti-cancer drug delivery system using indocyanine green. *Scientific Reports*, **2019**, 9, 3044	4.9	6
40	γ-Glutamyltranspeptidase (GGT)-Activatable Fluorescence Probe for Durable Tumor Imaging. *Angewandte Chemie*, **2021**, 133, 2153-2157	3.6	6
39	A Reversible Fluorescent Probe for Real-Time Live-Cell Imaging and Quantification of Endogenous Hydropolysulfides. *Angewandte Chemie*, **2018**, 130, 9490-9494	3.6	6
38	Highly sensitive fluorescence imaging of cancer with avidin-protease probe conjugate. *Bioorganic and Medicinal Chemistry Letters*, **2019**, 29, 126663	2.9	5
37	Spray Fluorescent Probes for Fluorescence-Guided Neurosurgery. *Frontiers in Oncology*, **2019**, 9, 727	5.3	5
36	Hybrid cell reactor system from Escherichia coli protoplast cells and arrayed lipid bilayer chamber device. *Scientific Reports*, **2018**, 8, 11757	4.9	5
35	Calciprotein particle-induced cytotoxicity via lysosomal dysfunction and altered cholesterol distribution in renal epithelial HK-2 cells. *Scientific Reports*, **2020**, 10, 20125	4.9	5

34	Detection of NAD(P)H-dependent enzyme activity by time-domain ratiometry of terbium luminescence. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 2314-7	2.9	5
33	Red-Shifted Fluorogenic Substrate for Detection of lacZ-Positive Cells in Living Tissue with Single-Cell Resolution. *Angewandte Chemie*, **2018**, 130, 15928-15932	3.6	5
32	A Novel Topical Fluorescent Probe for Detection of Glioblastoma. *Clinical Cancer Research*, **2021**, 27, 3936-3947	12.9	4
31	Photoactivatable fluorophores for durable labelling of individual cells. *Chemical Communications*, **2021**, 57, 5802-5805	5.8	4
30	Design of Photostable, Activatable Near-Infrared Photoacoustic Probes Using Tautomeric Benziphthalocyanine as a Platform. *Angewandte Chemie*, **2019**, 131, 7870-7873	3.6	3
29	A novel method for assessing the renal biopsy specimens using an activatable fluorescent probe. *Scientific Reports*, **2020**, 10, 12094	4.9	3
28	Galactosidase is a target enzyme for detecting peritoneal metastasis of gastric cancer. *Scientific Reports*, **2021**, 11, 10664	4.9	3
27	Nongenetic control of receptor signaling dynamics using a DNA-based optochemical tool. *Chemical Communications*, **2021**, 57, 5969-5972	5.8	3
26	Separation-Based Enzymomics Assay for the Discovery of Altered Peptide-Metabolizing Enzymatic Activities in Biosamples. *Analytical Chemistry*, **2019**, 91, 11497-11501	7.8	2
25	Cryogenic Fluorescence Localization Microscopy of Spectrally Selected Individual FRET Pairs in a Water Matrix. *Journal of Physical Chemistry B*, **2018**, 122, 6906-6911	3.4	2
24	Companion Diagnosis for Retinal Neuroprotective Treatment by Real-Time Imaging of Calpain Activation Using a Novel Fluorescent Probe. *Bioconjugate Chemistry*, **2020**, 31, 2241-2251	6.3	2
23	Amino BODIPY-Based Blue Fluorescent Probes for Aldehyde Dehydrogenase 1-Expressing Cells. *Bioconjugate Chemistry*, **2021**, 32, 234-238	6.3	2
22	Photoacoustic imaging of small organic molecule-based photoacoustic probe in subcutaneous tumor using P(VDF-TrFE) acoustic sensor **2015**,		1
21	Molecular probes for fluorescence image-guided cancer surgery.. *Current Opinion in Chemical Biology*, **2022**, 67, 102112	9.7	1
20	Discovery of an F-actin-binding small molecule serving as a fluorescent probe and a scaffold for functional probes. *Science Advances*, **2021**, 7, eabg8585	14.3	1
19	Metabolic-Pathway-Oriented Screening Targeting -Adenosyl-l-methionine Reveals the Epigenetic Remodeling Activities of Naturally Occurring Catechols. *Journal of the American Chemical Society*, **2020**, 142, 21-26	16.4	1
18	PMEPA1 and NEDD4 control the proton production of osteoclasts by regulating vesicular trafficking. *FASEB Journal*, **2021**, 35, e21281	0.9	1
17	Rapid and Sensitive Detection of Cancer Cells with Activatable Fluorescent Probes for Enzyme Activity. *Methods in Molecular Biology*, **2021**, 2274, 193-206	1.4	1

16	Fluorescence Probes for Imaging Basic Carboxypeptidase Activity in Living Cells with High Intracellular Retention. *Analytical Chemistry*, **2021**, 93, 3470-3476	7.8	1
15	Neural and behavioral control in by a yellow-light-activatable caged compound. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	1
14	Matrix metalloprotease-14 is a target enzyme for detecting peritoneal metastasis in gastric cancer. *Photodiagnosis and Photodynamic Therapy*, **2021**, 35, 102420	3.5	1
13	Chemical toolbox for ReverseBiochemistry to understand enzymatic functions in living systems. *Journal of Biochemistry*, **2020**, 167, 139-149	3.1	0
12	?-glutamyl hydroxymethyl rhodamine green fluorescence as a prognostic indicator for lung cancer. *General Thoracic and Cardiovascular Surgery*, **2020**, 68, 1418-1424	1.6	0
11	A Fluorescent Probe for Rapid, High-Contrast Visualization of Folate-Receptor-Expressing Tumors In Vivo. *Angewandte Chemie*, **2020**, 132, 6071-6076	3.6	0
10	On-Site Monitoring of Postoperative Bile Leakage Using Bilirubin-Inducible Fluorescent Protein. *World Journal of Surgery*, **2020**, 44, 4245-4253	3.3	0
9	Establishment of live-cell-based coupled assay system for identification of compounds to modulate metabolic activities of cells. *Cell Reports*, **2021**, 36, 109311	10.6	0
8	Development of a platform for activatable fluorescent substrates of glucose transporters (GLUTs). *Bioorganic and Medicinal Chemistry*, **2019**, 27, 2122-2126	3.4	0
7	Fluorescence Imaging Using Enzyme-Activatable Probes for Real-Time Identification of Pancreatic Cancer. *Frontiers in Oncology*, **2021**, 11, 714527	5.3	0
6	Rapid fluorescence imaging of human hepatocellular carcinoma using the β-galactosidase-activatable fluorescence probe SPiDER-Gal. *Scientific Reports*, **2021**, 11, 17946	4.9	0
5	Development of a small-molecule-based activatable photoacoustic probe. *Methods in Enzymology*, **2021**, 657, 1-19	1.7	0
4	Leading-edge elongation by follower cell interruption in advancing epithelial cell sheets.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2119903119	11.5	0
3	Development of Spontaneously Blinking Fluorophores for Super-Resolution Imaging. *Seibutsu Butsuri*, **2015**, 55, 031-033	0	
2	In Vivo Tiny Tumor Imaging with Precisely Designed Novel Small Molecule-Based Fluorescence Probes. *The Review of Laser Engineering*, **2010**, 38, 408-415	0	
1	Realization of rapid cancer imaging by non-DDS fluorescent probe technology and its future vision of cooperation with DDS. *Drug Delivery System*, **2021**, 36, 51-66	0	