

Kazuya Kikuchi

List of Publications by Year in descending order

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Version: 2024-02-01

195
papers

16,766
citations

13087

68
h-index

15249

126
g-index

211
all docs

211
docs citations

211
times ranked

16490
citing authors

#	ARTICLE	IF	CITATIONS
1	An "OFF"ON"OFF"fluorescence protein-labeling probe for real-time visualization of the degradation of short-lived proteins in cellular systems. <i>Chemical Science</i> , 2022, 13, 1419-1427.	3.7	3
2	pH-Sensitive Polymethacrylates as Potential Contrast Agents in ¹⁹ F MRI. <i>Macromolecular Chemistry and Physics</i> , 2022, 223, .	1.1	4
3	Efficient visible/NIR light-driven uncaging of hydroxylated thiazole orange-based caged compounds in aqueous media. <i>Chemical Science</i> , 2022, 13, 7462-7467.	3.7	2
4	Photoinitiator-Free Two-Photon Polymerization of Biocompatible Materials for 3D Micro/Nanofabrication. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	7
5	A step towards gadolinium-free bioresponsive MRI contrast agent. <i>European Journal of Medicinal Chemistry</i> , 2021, 211, 113086.	2.6	5
6	Near-infrared fluorescent probes: a next-generation tool for protein-labeling applications. <i>Chemical Science</i> , 2021, 12, 3437-3447.	3.7	71
7	Optical Manipulation of Subcellular Protein Translocation Using a Photoactivatable Covalent Labeling System. <i>Angewandte Chemie</i> , 2021, 133, 11479-11484.	1.6	2
8	Development of Off-On Switching ¹⁹ F MRI Probes for Cathepsin K Activity Detection. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1690-1694.	2.0	8
9	Optical Manipulation of Subcellular Protein Translocation Using a Photoactivatable Covalent Labeling System. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11378-11383.	7.2	9
10	Cardioluminescence in Transgenic Zebrafish Larvae: A Calcium Imaging Tool to Study Drug Effects and Pathological Modeling. <i>Biomedicines</i> , 2021, 9, 1294.	1.4	7
11	Anti-Siglec-15 antibody suppresses bone resorption by inhibiting osteoclast multinucleation without attenuating bone formation. <i>Bone</i> , 2021, 152, 116095.	1.4	8
12	Fluorogenic probes for detecting deacylase and demethylase activity towards post-translationally-modified lysine residues. <i>Chemical Science</i> , 2021, 12, 2498-2503.	3.7	6
13	Development of Fluorogenic Probes for Rapid High-Contrast Imaging of Transient Nuclear Localization of Sirtuin-3. <i>ChemBioChem</i> , 2020, 21, 656-662.	1.3	10
14	Photolytic Release of a Caged Inhibitor of an Endogenous Transcription Factor Enables Optochemical Control of CREB-Mediated Gene Expression. <i>Organic Letters</i> , 2020, 22, 22-25.	2.4	8
15	Engineered Protein-tag for Rapid Live-cell Fluorogenic Visualization of Proteins by Anionic Probes. <i>Chemistry Letters</i> , 2020, 49, 232-235.	0.7	3
16	Live-Cell Imaging of Protein Degradation Utilizing Designed Protein-Tag Mutant and Fluorescent Probe with Turn-Off Switch. <i>Bioconjugate Chemistry</i> , 2020, 31, 577-583.	1.8	8
17	<p>Oxygen Functional Groups on MWCNT Surface as Critical Factor Boosting T2 Relaxation Rate of Water Protons: Towards Improved CNT-Based Contrast Agents<p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 7433-7450.	3.3	13
18	An Acid-Activatable Fluorescence Probe for Imaging Osteocytic Bone Resorption Activity in Deep Bone Cavities. <i>Angewandte Chemie</i> , 2020, 132, 21182-21186.	1.6	4

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19	An Acid-Activatable Fluorescence Probe for Imaging Osteocytic Bone Resorption Activity in Deep Bone Cavities. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20996-21000.	7.2	23
20	A Photodeactivatable Antagonist for Controlling CREB-Dependent Gene Expression. <i>ACS Central Science</i> , 2020, 6, 1813-1818.	5.3	5
21	Rapid no-wash labeling of PYP-tag proteins with reactive fluorogenic ligands affords stable fluorescent protein conjugates for long-term cell imaging studies. <i>Chemical Science</i> , 2020, 11, 3694-3701.	3.7	14
22	Sensing Peroxynitrite in Different Organelles of Murine RAW264.7 Macrophages With Coumarin-Based Fluorescent Probes. <i>Frontiers in Chemistry</i> , 2020, 8, 39.	1.8	15
23	Single-cell dynamics of pannexin-1-facilitated programmed ATP loss during apoptosis. <i>ELife</i> , 2020, 9, .	2.8	34
24	Development of Photoswitchable Fluorescent Molecules Using Arylazopyrazole. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 821-824.	2.0	2
25	Photoactive yellow protein and its chemical probes: an approach to protein labelling in living cells. <i>Journal of Biochemistry</i> , 2019, 166, 121-127.	0.9	8
26	Improvement in Photostability of Fluorescein by Lanthanide Ions Based on Energy Transfer-based Triplet State Quenching. <i>Chemistry Letters</i> , 2019, 48, 1181-1184.	0.7	3
27	Chemical Tools with Fluorescence Switches for Verifying Epigenetic Modifications. <i>Accounts of Chemical Research</i> , 2019, 52, 2849-2857.	7.6	20
28	Development of an effective protein-labeling system based on smart fluorogenic probes. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 443-455.	1.1	3
29	<i>In Vivo</i> Multicolor Imaging with Fluorescent Probes Revealed the Dynamics and Function of Osteoclast Proton Pumps. <i>ACS Central Science</i> , 2019, 5, 1059-1066.	5.3	41
30	SCOTfluors: Small, Conjugatable, Orthogonal, and Tunable Fluorophores for <i>In Vivo</i> Imaging of Cell Metabolism. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6911-6915.	7.2	100
31	SCOTfluors: Small, Conjugatable, Orthogonal, and Tunable Fluorophores for <i>In Vivo</i> Imaging of Cell Metabolism. <i>Angewandte Chemie</i> , 2019, 131, 6985-6989.	1.6	28
32	Synthetic-Molecule/Protein Hybrid Probe with Fluorogenic Switch for Live-Cell Imaging of DNA Methylation. <i>Journal of the American Chemical Society</i> , 2018, 140, 1686-1690.	6.6	83
33	Direct cell-cell contact between mature osteoblasts and osteoclasts dynamically controls their functions in vivo. <i>Nature Communications</i> , 2018, 9, 300.	5.8	128
34	Ratiometric Imaging of Intracellular Mg ²⁺ Dynamics Using a Red Fluorescent Turn-off Probe and a Green Fluorescent Turn-on Probe. <i>Chemistry Letters</i> , 2018, 47, 23-26.	0.7	12
35	Highly Sensitive Detection of Caspase-3/7 Activity in Living Mice Using Enzyme-Responsive ¹⁹ F MRI Nanoprobes. <i>Bioconjugate Chemistry</i> , 2018, 29, 1720-1728.	1.8	44
36	<i>In vivo</i> visualisation of different modes of action of biological DMARDs inhibiting osteoclastic bone resorption. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, annrhumdis-2017-212880.	0.5	16

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37	Sensing caspase-1 activity using activatable ¹⁹ F MRI nanoprobe with improved turn-on kinetics. <i>Chemical Communications</i> , 2018, 54, 11785-11788.	2.2	30
38	Perfluorocarbon-Based ¹⁹ F MRI Nanoprobes for In Vivo Multicolor Imaging. <i>Angewandte Chemie</i> , 2018, 130, 16984-16989.	1.6	11
39	Perfluorocarbon-Based ¹⁹ F MRI Nanoprobes for In Vivo Multicolor Imaging. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16742-16747.	7.2	73
40	Live-Cell Imaging of DNA Methylation Based on Synthetic Molecule/Protein Hybrid Probe. <i>Chemical Record</i> , 2018, 18, 1672-1680.	2.9	8
41	Dynamic Analyses of the Short-Term Effects of Different Bisphosphonates Using Intravital Two-Photon Microscopy. <i>JBMR Plus</i> , 2018, 2, 362-366.	1.3	5
42	Photostable and photoswitching fluorescent dyes for super-resolution imaging. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 639-652.	1.1	58
43	Enzyme-triggered compound release using functionalized antimicrobial peptide derivatives. <i>Chemical Science</i> , 2017, 8, 3047-3053.	3.7	16
44	Development of cyanine probes with dinitrobenzene quencher for rapid fluorogenic protein labelling. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20170018.	1.6	8
45	Visualization of long-term Mg ²⁺ dynamics in apoptotic cells using a novel targetable fluorescent probe. <i>Chemical Science</i> , 2017, 8, 8255-8264.	3.7	28
46	Highly selective tridentate fluorescent probes for visualizing intracellular Mg ²⁺ dynamics without interference from Ca ²⁺ fluctuation. <i>Chemical Communications</i> , 2017, 53, 10644-10647.	2.2	24
47	Intracellular Protein-Labeling Probes for Multicolor Single-Molecule Imaging of Immune Receptor-Adaptor Molecular Dynamics. <i>Journal of the American Chemical Society</i> , 2017, 139, 17397-17404.	6.6	24
48	Selective Labeling of Proteins on Living Cell Membranes Using Fluorescent Nanodiamond Probes. <i>Nanomaterials</i> , 2016, 6, 56.	1.9	24
49	Fabrication of "Clickable" Polyfluorene Nanowires with High Aspect Ratio as Biological Sensing Platforms. <i>ACS Sensors</i> , 2016, 1, 766-774.	4.0	9
50	Fluorogenic probes reveal a role of GLUT4 N-glycosylation in intracellular trafficking. <i>Nature Chemical Biology</i> , 2016, 12, 853-859.	3.9	46
51	Real-time intravital imaging of pH variation associated with osteoclast activity. <i>Nature Chemical Biology</i> , 2016, 12, 579-585.	3.9	80
52	Modified polysaccharides as potential ¹⁹ F magnetic resonance contrast agents. <i>Carbohydrate Research</i> , 2016, 428, 72-78.	1.1	2
53	Design of a protein tag and fluorogenic probe with modular structure for live-cell imaging of intracellular proteins. <i>Chemical Science</i> , 2016, 7, 308-314.	3.7	20
54	Chemical Tools for Elucidation of Epigenetic Mechanisms. , 2016, , 1-35.		0

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55	Chemical Tools for Probing Histone Deacetylase (HDAC) Activity. <i>Analytical Sciences</i> , 2015, 31, 287-292.	0.8	13
56	¹⁹ F MRI Probes with Tunable Switches and Highly Sensitive ¹⁹ F MRI Nanoprobes. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 518-521.	2.0	11
57	Redesign of a Fluorogenic Labeling System To Improve Surface Charge, Brightness, and Binding Kinetics for Imaging the Functional Localization of Bromodomains. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14368-14371.	7.2	29
58	Activatable ¹⁹ F MRI Nanoparticle Probes for the Detection of Reducing Environments. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1007-1010.	7.2	73
59	Intramolecular Long-Distance Nucleophilic Reactions as a Rapid Fluorogenic Switch Applicable to the Detection of Enzymatic Activity. <i>Chemistry - A European Journal</i> , 2015, 21, 4695-4702.	1.7	21
60	An enzyme-responsive metal-enhanced near-infrared fluorescence sensor based on functionalized gold nanoparticles. <i>Chemical Science</i> , 2015, 6, 4934-4939.	3.7	23
61	BODIPY-based probes for the fluorescence imaging of biomolecules in living cells. <i>Chemical Society Reviews</i> , 2015, 44, 4953-4972.	18.7	1,091
62	Mesoporous silica nanoparticles for ¹⁹ F magnetic resonance imaging, fluorescence imaging, and drug delivery. <i>Chemical Science</i> , 2015, 6, 1986-1990.	3.7	108
63	Ratiometric MRI Sensors Based on Core-Shell Nanoparticles for Quantitative pH Imaging. <i>Advanced Materials</i> , 2014, 26, 2989-2992.	11.1	31
64	Small-Molecule-Based Protein-Labeling Technology in Live Cell Studies: Probe-Design Concepts and Applications. <i>Accounts of Chemical Research</i> , 2014, 47, 247-256.	7.6	80
65	Development of a Fluorogenic Probe Based on a DNA Staining Dye for Continuous Monitoring of the Histone Deacetylase Reaction. <i>Analytical Chemistry</i> , 2014, 86, 7925-7930.	3.2	26
66	¹ H MRI Detection of Gene Expression in Living Cells by Using Protein Tag and Biotinylation Probe. <i>Chemistry Letters</i> , 2014, 43, 219-221.	0.7	0
67	Multifunctional Core-Shell Silica Nanoparticles for Highly Sensitive ¹⁹ F-Magnetic Resonance Imaging. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1008-1011.	7.2	73
68	Membrane protein CNNM4-dependent Mg ²⁺ efflux suppresses tumor progression. <i>Journal of Clinical Investigation</i> , 2014, 124, 5398-5410.	3.9	93
69	Development of Fluorogenic Probes for Quick No-Wash Live-Cell Imaging of Intracellular Proteins. <i>Journal of the American Chemical Society</i> , 2013, 135, 12360-12365.	6.6	102
70	Development of cell-impermeable coelenterazine derivatives. <i>Chemical Science</i> , 2013, 4, 4395.	3.7	19
71	pH Induced dual ON-OFF switch: influence of a suitably placed carboxylic acid. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 563-568.	1.5	23
72	Development of Luminescent Coelenterazine Derivatives Activatable by β -Galactosidase for Monitoring Dual Gene Expression. <i>Chemistry - A European Journal</i> , 2013, 19, 14970-14976.	1.7	34

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73	Emerging technologies in molecular imaging: new windows into biology. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 635-636.	2.8	0
74	Protein labeling with fluorogenic probes for no-wash live-cell imaging of proteins. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 644-650.	2.8	54
75	Basolateral Mg ²⁺ Extrusion via CNNM4 Mediates Transcellular Mg ²⁺ Transport across Epithelia: A Mouse Model. <i>PLoS Genetics</i> , 2013, 9, e1003983.	1.5	130
76	Dynamic visualization of RANKL and Th17-mediated osteoclast function. <i>Journal of Clinical Investigation</i> , 2013, 123, 866-73.	3.9	141
77	3PT134 Development of enzyme activity detection system using liposome and functional antimicrobial peptide(The 50th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2012, 52, S163.	0.0	0
78	3PS039 Highly sensitive imaging of cell membrane proteins by using lanthanide materials(The 50th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2012, 52, S163.	0.0	0
79	3PS043 Development of nanocapsule probes for sensitive ¹⁹ F MRI(The 50th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2012, 52, S163.	0.0	0
80	No-Wash Protein Labeling with Designed Fluorogenic Probes and Application to Real-Time Pulse-Chase Analysis. <i>Journal of the American Chemical Society</i> , 2012, 134, 1623-1629.	6.6	82
81	Development of a Fluorogenic Probe with a Transesterification Switch for Detection of Histone Deacetylase Activity. <i>Journal of the American Chemical Society</i> , 2012, 134, 14310-14313.	6.6	80
82	Simple and Real-Time Colorimetric Assay for Glycosidases Activity Using Functionalized Gold Nanoparticles and Its Application for Inhibitor Screening. <i>Analytical Chemistry</i> , 2012, 84, 9089-9095.	3.2	48
83	A fluorescent probe for detection of histone deacetylase activity based on aggregation-induced emission. <i>Chemical Communications</i> , 2012, 48, 11534.	2.2	65
84	1C1424 Fluorescent Probe for the Direct Detection of Histone Deacetylase Activity(Proteins:) (The 50th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2012, 52, S163.	0.0	0
85	Development of ¹⁹ F MRI Probes that Visualize Biological Reactions. <i>Seibutsu Butsuri</i> , 2012, 52, 024-025.	0.0	0
86	Development of Protein-Labeling Probes with a Redesigned Fluorogenic Switch Based on Intramolecular Association for No-Wash Live-Cell Imaging. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5611-5614.	7.2	62
87	¹⁹ F MRI Monitoring of Gene Expression in Living Cells through Cell-Surface ¹² C-Lactamase Activity. <i>ChemBioChem</i> , 2012, 13, 1579-1583.	1.3	27
88	Salicylic Acid Derivatives as Antennae for Ratiometric Luminescent Probes Based on Lanthanide Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 7377-7381.	1.7	24
89	Switchable MRI contrast agents based on morphological changes of pH-responsive polymers. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 769-774.	1.4	35
90	Sequential ordering among multicolor fluorophores for protein labeling facility via aggregation-elimination based ¹² -lactam probes. <i>Molecular BioSystems</i> , 2011, 7, 1766.	2.9	9

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91	In Vivo Fluorescence Imaging of Bone-Resorbing Osteoclasts. Journal of the American Chemical Society, 2011, 133, 17772-17776.	6.6	108
92	¹⁹ F MRI detection of β -galactosidase activity for imaging of gene expression. Chemical Science, 2011, 2, 1151.	3.7	54
93	2SB-O2 DESIGN, SYNTHESIS AND BIOLOGICAL APPLICATION OF MOLECULAR IMAGING PROBES WITH TUNABLE CHEMICAL SWITCHES(2SB Frontiers in chemical biology for in-cell biophysics,The 49th Annual Meeting) Tj ETQq1 100784314rgBT /C		
94	Covalent Protein Labeling with a Lanthanide Complex and Its Application to Photoluminescence Lifetime-Based Multicolor Bioimaging. Angewandte Chemie - International Edition, 2011, 50, 8750-8752.	7.2	58
95	Intracellular Protein Labeling with Prodrug-Like Probes Using a Mutant β -Lactamase Tag. Chemistry - A European Journal, 2011, 17, 8342-8349.	1.7	29
96	Cell Surface Protein Labeling with Luminescent Nanoparticles through Biotinylation by Using Mutant β -Lactamase-Tag Technology. ChemBioChem, 2011, 12, 1031-1034.	1.3	9
97	Switching Modulation for Protein Labeling with Activatable Fluorescent Probes. ChemBioChem, 2011, 12, 1299-1308.	1.3	11
98	Two Distinct Amyloid β -Protein ($A\beta$) Assembly Pathways Leading to Oligomers and Fibrils Identified by Combined Fluorescence Correlation Spectroscopy, Morphology, and Toxicity Analyses. Journal of Biological Chemistry, 2011, 286, 11555-11562.	1.6	102
99	3P330 Development of Photoactive Yellow Protein-based Protein Labeling System with Designed Fluorogenic Probe(Bioimaging,The 48th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuru, 2010, 50, S203.	0.0	0
100	2P253 Development of drug release system controlled by light irradiation(The 48th Annual Meeting of) Tj ETQq0 0 0 rgBT /Overlock 10	0.0	0
101	Design, synthesis and biological application of chemical probes for bio-imaging. Chemical Society Reviews, 2010, 39, 2048.	18.7	246
102	Application of a Stimuli-Responsive Polymer to the Development of Novel MRI Probes. ChemBioChem, 2010, 11, 785-787.	1.3	14
103	Noncovalent-Interaction-Promoted Ligation for Protein Labeling. ChemBioChem, 2010, 11, 646-648.	1.3	5
104	Multicolor Protein Labeling in Living Cells Using Mutant β -Lactamase-Tag Technology. Bioconjugate Chemistry, 2010, 21, 2320-2326.	1.8	60
105	Photocontrolled Compound Release System Using Caged Antimicrobial Peptide. Journal of the American Chemical Society, 2010, 132, 9524-9525.	6.6	53
106	Turn-on fluorescence switch involving aggregation and elimination processes for β -lactamase-tag. Chemical Communications, 2010, 46, 7403.	2.2	31
107	Zinc is an essential trace element for spermatogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10859-10864.	3.3	152
108	Development of Ratiometric Fluorescent Probes for Phosphatases by Using a <i>pK_a</i> Switching Mechanism. ChemBioChem, 2009, 10, 1465-1468.	1.3	12

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109	Dual-Function Probe to Detect Protease Activity for Fluorescence Measurement and ¹⁹ F MRI. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3641-3643.	7.2	135
110	Anion Sensor-Based Ratiometric Peptide Probe for Protein Kinase Activity. <i>Organic Letters</i> , 2009, 11, 2732-2735.	2.4	29
111	Covalent Protein Labeling Based on Noncatalytic ¹² -Lactamase and a Designed FRET Substrate. <i>Journal of the American Chemical Society</i> , 2009, 131, 5016-5017.	6.6	159
112	Photoactive Yellow Protein-Based Protein Labeling System with Turn-On Fluorescence Intensity. <i>Journal of the American Chemical Society</i> , 2009, 131, 16610-16611.	6.6	107
113	Design, Synthesis, and Biological Application of Fluorescent Sensor Molecules for Cellular Imaging. , 2009, 119, 63-78.		14
114	Design and Synthesis of Coumarin-Based Zn ²⁺ Probes for Ratiometric Fluorescence Imaging. <i>Inorganic Chemistry</i> , 2009, 48, 7630-7638.	1.9	103
115	A Gd ³⁺ -Based Magnetic Resonance Imaging Contrast Agent Sensitive to ¹² -Galactosidase Activity Utilizing a Receptor-Induced Magnetization Enhancement (RIME) Phenomenon. <i>Chemistry - A European Journal</i> , 2008, 14, 987-995.	1.7	67
116	Selective photoinactivation of protein function through environment-sensitive switching of singlet oxygen generation by photosensitizer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 28-32.	3.3	101
117	Paramagnetic Relaxation-Based ¹⁹ F MRI Probe To Detect Protease Activity. <i>Journal of the American Chemical Society</i> , 2008, 130, 794-795.	6.6	234
118	Lanthanide-Based Protease Activity Sensors for Time-Resolved Fluorescence Measurements. <i>Journal of the American Chemical Society</i> , 2008, 130, 14376-14377.	6.6	104
119	2P-336 Time-resolved long-lived luminescence imaging employing luminescent lanthanide sensor probes(The 46th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2008, 48, S126-S127.	0.0	0
120	Iron hydroxide nanoparticles coated with poly(ethylene glycol)-poly(aspartic acid) block copolymer as novel magnetic resonance contrast agents for in vivo cancer imaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 56, 174-181.	2.5	88
121	Time-Resolved Long-Lived Luminescence Imaging Method Employing Luminescent Lanthanide Probes with a New Microscopy System. <i>Journal of the American Chemical Society</i> , 2007, 129, 13502-13509.	6.6	243
122	Fluorescence-Based Zinc Ion Sensor for Zinc Ion Release from Pancreatic Cells. <i>Analytical Chemistry</i> , 2006, 78, 5799-5804.	3.2	42
123	Modulation of Luminescence Intensity of Lanthanide Complexes by Photoinduced Electron Transfer and Its Application to a Long-Lived Protease Probe. <i>Journal of the American Chemical Society</i> , 2006, 128, 6938-6946.	6.6	151
124	Design and Synthesis of an Enzyme Activity-Based Labeling Molecule with Fluorescence Spectral Change. <i>Journal of the American Chemical Society</i> , 2006, 128, 15946-15947.	6.6	104
125	Toward bifunctional antibody catalysis. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 6189-6196.	1.4	19
126	Inhibition of presynaptic activity by zinc released from mossy fiber terminals during tetanic stimulation. <i>Journal of Neuroscience Research</i> , 2006, 83, 167-176.	1.3	72

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127	Inhibition of Autotaxin by Lysophosphatidic Acid and Sphingosine 1-Phosphate. <i>Journal of Biological Chemistry</i> , 2005, 280, 21155-21161.	1.6	178
128	Selective Zinc Sensor Molecules with Various Affinities for Zn ²⁺ , Revealing Dynamics and Regional Distribution of Synaptically Released Zn ²⁺ in Hippocampal Slices. <i>Journal of the American Chemical Society</i> , 2005, 127, 10197-10204.	6.6	344
129	Highly Sensitive Near-Infrared Fluorescent Probes for Nitric Oxide and Their Application to Isolated Organs. <i>Journal of the American Chemical Society</i> , 2005, 127, 3684-3685.	6.6	380
130	Evidence for pH dependent Zn ²⁺ influx in K562 erythroleukemia cells: Studies using ZnAF-2F fluorescence and ⁶⁵ Zn ²⁺ uptake. <i>Archives of Biochemistry and Biophysics</i> , 2005, 442, 222-228.	1.4	7
131	Design and Synthesis of Zinc-Selective Chelators for Extracellular Applications. <i>Journal of the American Chemical Society</i> , 2005, 127, 818-819.	6.6	89
132	Rational Principles for Modulating Fluorescence Properties of Fluorescein. <i>Journal of the American Chemical Society</i> , 2004, 126, 14079-14085.	6.6	314
133	Rational design of novel photoinduced electron transfer type fluorescent probes for sodium cation. <i>Tetrahedron</i> , 2004, 60, 11067-11073.	1.0	29
134	Recent advances in the design of small molecule-based FRET sensors for cell biology. <i>TrAC - Trends in Analytical Chemistry</i> , 2004, 23, 407-415.	5.8	131
135	Zinc sensing for cellular application. <i>Current Opinion in Chemical Biology</i> , 2004, 8, 182-191.	2.8	309
136	Modification of Intracellular Ca ²⁺ Dynamics by Laser Inactivation of Inositol 1,4,5-Trisphosphate Receptor Using Membrane-Permeant Probes. <i>Chemistry and Biology</i> , 2004, 11, 1053-1058.	6.2	16
137	Nonspecific Medium Effects versus Specific Group Positioning in the Antibody and Albumin Catalysis of the Base-Promoted Ring-Opening Reactions of Benzisoxazoles. <i>Journal of the American Chemical Society</i> , 2004, 126, 8197-8205.	6.6	66
138	Development of a Zinc Ion-Selective Luminescent Lanthanide Chemosensor for Biological Applications. <i>Journal of the American Chemical Society</i> , 2004, 126, 12470-12476.	6.6	395
139	Highly Sensitive Fluorescence Probes for Nitric Oxide Based on Boron Dipyrrromethene Chromophore Rational Design of Potentially Useful Bioimaging Fluorescence Probe. <i>Journal of the American Chemical Society</i> , 2004, 126, 3357-3367.	6.6	632
140	A Novel Fluorescent Probe for Zinc Ion Based on Boron Dipyrrromethene (BODIPY) Chromophore. <i>Chemical and Pharmaceutical Bulletin</i> , 2004, 52, 700-703.	0.6	40
141	Visualization of Cellular Events Using Designed Fluorescence Sensor Molecules. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2004, 62, 1006-1013.	0.0	1
142	A Novel Design Method of Ratiometric Fluorescent Probes Based on Fluorescence Resonance Energy Transfer Switching by Spectral Overlap Integral. <i>Chemistry - A European Journal</i> , 2003, 9, 1479-1485.	1.7	123
143	Spatiotemporal Laser Inactivation of Inositol 1,4,5-Trisphosphate Receptors Using Synthetic Small-Molecule Probes. <i>Chemistry and Biology</i> , 2003, 10, 503-509.	6.2	9
144	Development of selective, visible light-excitable, fluorescent magnesium ion probes with a novel fluorescence switching mechanism. <i>Analyst, The</i> , 2003, 128, 719.	1.7	48

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145	Mossy fiber Zn ²⁺ spillover modulates heterosynaptic N-methyl-d-aspartate receptor activity in hippocampal CA3 circuits. <i>Journal of Cell Biology</i> , 2002, 158, 215-220.	2.3	226
146	Design and Synthesis of an Enzyme-Cleavable Sensor Molecule for Phosphodiesterase Activity Based on Fluorescence Resonance Energy Transfer. <i>Journal of the American Chemical Society</i> , 2002, 124, 1653-1657.	6.6	161
147	Orthogonality of Calcium Concentration and Ability of 4,5-Diaminofluorescein to Detect NO. <i>Journal of Biological Chemistry</i> , 2002, 277, 47-49.	1.6	83
148	A Fluorescent Anion Sensor That Works in Neutral Aqueous Solution for Bioanalytical Application. <i>Journal of the American Chemical Society</i> , 2002, 124, 3920-3925.	6.6	367
149	A Novel, Cell-Permeable, Fluorescent Probe for Ratiometric Imaging of Zinc ²⁺ Ion. <i>Journal of the American Chemical Society</i> , 2002, 124, 10650-10651.	6.6	298
150	Improvement and Biological Applications of Fluorescent Probes for Zinc, ZnAFs. <i>Journal of the American Chemical Society</i> , 2002, 124, 6555-6562.	6.6	397
151	Hydrophobic modifications at 1-phosphate of inositol 1,4,5-Trisphosphate analogues enhance receptor binding. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 911-913.	1.0	14
152	Design and Synthesis of a Novel Magnetic Resonance Imaging Contrast Agent for Selective Sensing of Zinc Ion. <i>Chemistry and Biology</i> , 2002, 9, 1027-1032.	6.2	105
153	Bioimaging of Nitric Oxide with Fluorescent Indicators Based on the Rhodamine Chromophore. <i>Analytical Chemistry</i> , 2001, 73, 1967-1973.	3.2	283
154	Intramolecular Fluorescence Resonance Energy Transfer System with Coumarin Donor Included in β -Cyclodextrin. <i>Analytical Chemistry</i> , 2001, 73, 939-942.	3.2	72
155	Rational Design of Fluorescein-Based Fluorescence Probes. Mechanism-Based Design of a Maximum Fluorescence Probe for Singlet Oxygen. <i>Journal of the American Chemical Society</i> , 2001, 123, 2530-2536.	6.6	369
156	Visualization of oxygen-concentration-dependent production of nitric oxide in rat hippocampal slices during aglycemia. <i>Journal of Neurochemistry</i> , 2001, 76, 1404-1410.	2.1	44
157	Small molecule-based laser inactivation of inositol 1,4,5-trisphosphate receptor. <i>Chemistry and Biology</i> , 2001, 8, 9-15.	6.2	23
158	Selective inhibition of human inducible nitric oxide synthase by S-alkyl-L-isothiocitrulline-containing dipeptides. <i>British Journal of Pharmacology</i> , 2001, 132, 1876-1882.	2.7	10
159	Superoxide Dismutase Activity of Iron(II)TPEN Complex and Its Derivatives.. <i>Chemical and Pharmaceutical Bulletin</i> , 2000, 48, 1514-1518.	0.6	23
160	Catalysis of 3-Carboxy-1,2-benzisoxazole Decarboxylation by Hydrophobic Antibody Binding Pockets. <i>Helvetica Chimica Acta</i> , 2000, 83, 2183-2191.	1.0	10
161	Synthesis and superoxide dismutase activity of novel iron complexes. <i>Journal of Organometallic Chemistry</i> , 2000, 611, 586-592.	0.8	33
162	Fluorescent indicators for nitric oxide based on rhodamine chromophore. <i>Tetrahedron Letters</i> , 2000, 41, 69-72.	0.7	48

#	ARTICLE	IF	CITATIONS
163	A new thioether-ligated iron porphyrin as a model of a protonated form of P450 active site. <i>Journal of Inorganic Biochemistry</i> , 2000, 82, 127-132.	1.5	10
164	Remarkable axial thiolate ligand effect on the oxidation of hydrocarbons by active intermediate of iron porphyrin and cytochrome P450. <i>Journal of Inorganic Biochemistry</i> , 2000, 82, 123-125.	1.5	57
165	First Synthetic NO ⁺ Heme ⁺ Thiolate Complex Relevant to Nitric Oxide Synthase and Cytochrome P450 _{nor} . <i>Journal of the American Chemical Society</i> , 2000, 122, 12059-12060.	6.6	49
166	Characterization of Proton-Transfer Catalysis by Serum Albumins. <i>Journal of the American Chemical Society</i> , 2000, 122, 1022-1029.	6.6	79
167	Development of a Time-Resolved Fluorometric Detection System Using Diffusion-Enhanced Energy Transfer. <i>Analytical Chemistry</i> , 2000, 72, 4904-4907.	3.2	9
168	Highly Zinc-Selective Fluorescent Sensor Molecules Suitable for Biological Applications. <i>Journal of the American Chemical Society</i> , 2000, 122, 12399-12400.	6.6	331
169	Effects of Tetrahydrobiopterin on Endothelial Dysfunction in Rats with Ischemic Acute Renal Failure. <i>Journal of the American Society of Nephrology: JASN</i> , 2000, 11, 301-309.	3.0	69
170	Effects of Vasodilatory \hat{I}^2 -Adrenoceptor Antagonists on Endothelium-Derived Nitric Oxide Release in Rat Kidney. <i>Hypertension</i> , 1999, 33, 467-471.	1.3	100
171	Role of Nitric Oxide \hat{c} GMP Pathway in Adrenomedullin-Induced Vasodilation in the Rat. <i>Hypertension</i> , 1999, 33, 689-693.	1.3	128
172	Effects of Hypertension, Diabetes Mellitus, and Hypercholesterolemia on Endothelin Type B Receptor \hat{c} Mediated Nitric Oxide Release From Rat Kidney. <i>Circulation</i> , 1999, 99, 1242-1248.	1.6	73
173	Synthesis and evaluation of 1-position-modified inositol 1,4,5-trisphosphate analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1999, 9, 1697-1702.	1.0	20
174	Novel Fluorescent Probes for Singlet Oxygen. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2899-2901.	7.2	159
175	Fluorescent Indicators for Imaging Nitric Oxide Production. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3209-3212.	7.2	514
176	Imaging of caspase-3 activation in HeLa cells stimulated with etoposide using a novel fluorescent probe. <i>FEBS Letters</i> , 1999, 453, 356-360.	1.3	108
177	Novel Iron Porphyrin \hat{c} Alkanethiolate Complex with Intramolecular NH \hat{A} \hat{A} :S Hydrogen Bond \hat{A} Synthesis, Spectroscopy, and Reactivity. <i>Journal of the American Chemical Society</i> , 1999, 121, 11571-11572.	6.6	118
178	Dipeptides Containing L-Arginine Analogs: New Isozyme-Selective Inhibitors of Nitric Oxide Synthase.. <i>Biological and Pharmaceutical Bulletin</i> , 1999, 22, 936-940.	0.6	13
179	Direct evidence of nitric oxide production from bovine aortic endothelial cells using new fluorescence indicators: diamino fluoresceins. <i>FEBS Letters</i> , 1998, 427, 263-266.	1.3	354
180	Detection and Imaging of Nitric Oxide with Novel Fluorescent Indicators: \hat{A} Diamino fluoresceins. <i>Analytical Chemistry</i> , 1998, 70, 2446-2453.	3.2	1,262

#	ARTICLE	IF	CITATIONS
181	Development of a Fluorescent Indicator for Nitric Oxide Based on the Fluorescein Chromophore.. Chemical and Pharmaceutical Bulletin, 1998, 46, 373-375.	0.6	262
182	Direct evidence of NO production in rat hippocampus and cortex using a new fluorescent indicator. NeuroReport, 1998, 9, 3345-3348.	0.6	194
183	Improved Nitric Oxide Detection Using 2,3-Diaminonaphthalene and Its Application to the Evaluation of Novel Nitric Oxide Synthase Inhibitors.. Biological and Pharmaceutical Bulletin, 1998, 21, 1247-1250.	0.6	36
184	Real Time Measurement of Nitric Oxide Released from Cultured Endothelial Cells.. Biological and Pharmaceutical Bulletin, 1998, 21, 1286-1289.	0.6	4
185	Selective Deoxygenation of Heteroaromatic N-Oxides with Olefins Catalyzed by Ruthenium Porphyrin.. Chemical and Pharmaceutical Bulletin, 1998, 46, 1656-1657.	0.6	21
186	Development of a Fluorescent Indicator for the Bioimaging of Nitric Oxide.. Biological and Pharmaceutical Bulletin, 1997, 20, 1229-1232.	0.6	44
187	Real-time measurement of nitric oxide production in rat brain by the combination of luminol-H2O2 chemiluminescence and microdialysis. Neuroscience Letters, 1997, 233, 157-159.	1.0	32
188	Receptor Subtype for Vasopressin-Induced Release of Nitric Oxide From Rat Kidney. Hypertension, 1997, 29, 58-64.	1.3	20
189	Albumin-Catalyzed Proton Transfer. Journal of the American Chemical Society, 1996, 118, 8184-8185.	6.6	65
190	Novel Detection Method of Nitric Oxide Using Horseradish Peroxidase.. Biological and Pharmaceutical Bulletin, 1996, 19, 649-651.	0.6	25
191	Nitric Oxide Release From Kidneys of Hypertensive Rats Treated With Imidapril. Hypertension, 1996, 27, 672-678.	1.3	32
192	Endothelium-derived relaxing factors in the kidney of spontaneously hypertensive rats. Life Sciences, 1995, 56, PL401-PL408.	2.0	11
193	Direct Measurements of Endothelium-Derived Nitric Oxide Release by Stimulation of Endothelin Receptors in Rat Kidney and Its Alteration in Salt-Induced Hypertension. Circulation, 1995, 91, 1229-1235.	1.6	78
194	Detection of nitric oxide production from a perfused organ by a luminol-hydrogen peroxide system. Analytical Chemistry, 1993, 65, 1794-1799.	3.2	195
195	New method of detecting nitric oxide production.. Chemical and Pharmaceutical Bulletin, 1992, 40, 2233-2235.	0.6	12