Atsushi Miyawaki

List of Publications by Year in descending order

168 papers	26,948 citations	13865 67 h-index	6996 154 g-index
181 all docs	181 docs citations	181 times ranked	31742 citing authors

#	Article	IF	Citations
1	Fluorescent indicators for Ca2+based on green fluorescent proteins and calmodulin. Nature, 1997, 388, 882-887.	27.8	3,053
2	A variant of yellow fluorescent protein with fast and efficient maturation for cell-biological applications. Nature Biotechnology, 2002, 20, 87-90.	17.5	2,518
3	Visualizing Spatiotemporal Dynamics of Multicellular Cell-Cycle Progression. Cell, 2008, 132, 487-498.	28.9	1,888
4	Whole-Brain Imaging with Single-Cell Resolution Using Chemical Cocktails and Computational Analysis. Cell, 2014, 157, 726-739.	28.9	1,097
5	Scale: a chemical approach for fluorescence imaging and reconstruction of transparent mouse brain. Nature Neuroscience, 2011, 14, 1481-1488.	14.8	1,096
6	Expanded dynamic range of fluorescent indicators for Ca2+ by circularly permuted yellow fluorescent proteins. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10554-10559.	7.1	970
7	An optical marker based on the UV-induced green-to-red photoconversion of a fluorescent protein. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12651-12656.	7.1	963
8	Regulated Fast Nucleocytoplasmic Shuttling Observed by Reversible Protein Highlighting. Science, 2004, 306, 1370-1373.	12.6	764
9	Rapid and persistent modulation of actin dynamics regulates postsynaptic reorganization underlying bidirectional plasticity. Nature Neuroscience, 2004, 7, 1104-1112.	14.8	728
10	Spatio-temporal images of growth-factor-induced activation of Ras and Rap1. Nature, 2001, 411, 1065-1068.	27.8	557
11	The Growing and Glowing Toolbox of Fluorescent and Photoactive Proteins. Trends in Biochemical Sciences, 2017, 42, 111-129.	7.5	514
12	ScaleS: an optical clearing palette for biological imaging. Nature Neuroscience, 2015, 18, 1518-1529.	14.8	511
13	A Sensitive and Quantitative Technique for Detecting Autophagic Events Based on Lysosomal Delivery. Chemistry and Biology, 2011, 18, 1042-1052.	6.0	507
14	Visualization of the Spatial and Temporal Dynamics of Intracellular Signaling. Developmental Cell, 2003, 4, 295-305.	7.0	475
15	Monitoring protein conformations and interactions by fluorescence resonance energy transfer between mutants of green fluorescent protein. Methods in Enzymology, 2000, 327, 472-500.	1.0	379
16	Semiâ€rational engineering of a coral fluorescent protein into an efficient highlighter. EMBO Reports, 2005, 6, 233-238.	4.5	320
17	Spontaneous network activity visualized by ultrasensitive Ca2+ indicators, yellow Cameleon-Nano. Nature Methods, 2010, 7, 729-732.	19.0	319
18	Single-cell bioluminescence imaging of deep tissue in freely moving animals. Science, 2018, 359, 935-939.	12.6	319

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19	Cyan-emitting and orange-emitting fluorescent proteins as a donor/acceptor pair for fluorescence resonance energy transfer. Biochemical Journal, 2004, 381, 307-312.	3.7	312
20	A fluorescent variant of a protein from the stony coral Montipora facilitates dual-color single-laser fluorescence cross-correlation spectroscopy. Nature Biotechnology, 2006, 24, 577-581.	17.5	293
21	PKC Signaling Mediates Global Enhancement of Excitatory Synaptogenesis in Neurons Triggered by Local Contact with Astrocytes. Neuron, 2004, 41, 405-415.	8.1	286
22	Improving membrane voltage measurements using FRET with new fluorescent proteins. Nature Methods, 2008, 5, 683-685.	19.0	279
23	Photo-Induced Peptide Cleavage in the Green-to-Red Conversion of a Fluorescent Protein. Molecular Cell, 2003, 12, 1051-1058.	9.7	276
24	A Bilirubin-Inducible Fluorescent Protein from Eel Muscle. Cell, 2013, 153, 1602-1611.	28.9	269
25	Spatio-temporal activation of caspase revealed by indicator that is insensitive to environmental effects. Journal of Cell Biology, 2003, 160, 235-243.	5.2	268
26	SESN2/sestrin2 suppresses sepsis by inducing mitophagy and inhibiting NLRP3 activation in macrophages. Autophagy, 2016, 12, 1272-1291.	9.1	218
27	Functional Fluorescent Ca2+ Indicator Proteins in Transgenic Mice under TET Control. PLoS Biology, 2004, 2, e163.	5.6	216
28	Red Fluorescent Protein from Discosoma as a Fusion Tag and a Partner for Fluorescence Resonance Energy Transfer. Biochemistry, 2001, 40, 2502-2510.	2.5	206
29	GFP-like Proteins Stably Accumulate in Lysosomes. Cell Structure and Function, 2008, 33, 1-12.	1.1	206
30	Illuminating cell-cycle progression in the developing zebrafish embryo. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20812-20817.	7.1	205
31	Development of Probes for Cellular Functions Using Fluorescent Proteins and Fluorescence Resonance Energy Transfer. Annual Review of Biochemistry, 2011, 80, 357-373.	11.1	204
32	FRET-based in vivo Ca2+ imaging by a new calmodulin-GFP fusion molecule. Nature Structural Biology, 2001, 8, 1069-1073.	9.7	196
33	Identification of Mitochondrial DNA Polymorphisms That Alter Mitochondrial Matrix pH and Intracellular Calcium Dynamics. PLoS Genetics, 2006, 2, e128.	3.5	194
34	Visualization of an endogenous retinoic acid gradient across embryonic development. Nature, 2013, 496, 363-366.	27.8	190
35	A Green-emitting Fluorescent Protein from Galaxeidae Coral and Its Monomeric Version for Use in Fluorescent Labeling. Journal of Biological Chemistry, 2003, 278, 34167-34171.	3.4	177
36	mKikGR, a Monomeric Photoswitchable Fluorescent Protein. PLoS ONE, 2008, 3, e3944.	2.5	175

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37	Brain/MINDS: A Japanese National Brain Project for Marmoset Neuroscience. Neuron, 2016, 92, 582-590.	8.1	174
38	Lateral Propagation of EGF Signaling after Local Stimulation Is Dependent on Receptor Density. Developmental Cell, 2002, 3, 245-257.	7.0	170
39	Innovations in the Imaging of Brain Functions using Fluorescent Proteins. Neuron, 2005, 48, 189-199.	8.1	154
40	Optical recording of neuronal activity with a genetically-encoded calcium indicator in anesthetized and freely moving mice. Frontiers in Neural Circuits, 2010, 4, 9.	2.8	154
41	Light-dependent regulation of structural flexibility in a photochromic fluorescent protein. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9227-9232.	7.1	150
42	A Stroboscopic Approach for Fast Photoactivationâ^'Localization Microscopy with Dronpa Mutants. Journal of the American Chemical Society, 2007, 129, 13970-13977.	13.7	145
43	Visualization of Synaptic Ca2+ /Calmodulin-Dependent Protein Kinase II Activity in Living Neurons. Journal of Neuroscience, 2005, 25, 3107-3112.	3.6	138
44	Tracking and quantification of dendritic cell migration and antigen trafficking between the skin and lymph nodes. Scientific Reports, 2014, 4, 6030.	3.3	138
45	Real-time tracking of cell cycle progression during CD8+ effector and memory T-cell differentiation. Nature Communications, 2015, 6, 6301.	12.8	138
46	Subdiffraction Imaging through the Selective Donut-Mode Depletion of Thermally Stable Photoswitchable Fluorophores:â€‰ Numerical Analysis and Application to the Fluorescent Protein Dronpa. Journal of the American Chemical Society, 2007, 129, 16132-16141.	13.7	130
47	Proteins on the move: insights gained from fluorescent protein technologies. Nature Reviews Molecular Cell Biology, 2011, 12, 656-668.	37.0	122
48	Molecular Spies for Bioimagingâ€"Fluorescent Protein-Based Probes. Molecular Cell, 2015, 58, 632-643.	9.7	122
49	Drug-induced cell cycle modulation leading to cell-cycle arrest, nuclear mis-segregation, or endoreplication. BMC Cell Biology, 2011, 12, 2.	3.0	121
50	A hypothalamic novelty signal modulates hippocampal memory. Nature, 2020, 586, 270-274.	27.8	121
51	Fluorescence imaging of physiological activity in complex systems using GFP-based probes. Current Opinion in Neurobiology, 2003, 13, 591-596.	4.2	117
52	Highlighted Generation of Fluorescence Signals Using Simultaneous Two-Color Irradiation on Dronpa Mutants. Biophysical Journal, 2007, 92, L97-L99.	0.5	116
53	Fucci2a:A bicistronic cell cycle reporter that allows Cre mediated tissue specific expression in mice. Cell Cycle, 2014, 13, 2681-2696.	2.6	113
54	HMGB1, a pathogenic molecule that induces neurite degeneration via TLR4-MARCKS, is a potential therapeutic target for Alzheimerâ€™s disease. Scientific Reports, 2016, 6, 31895.	3.3	111

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55	Single-Molecule Fluorescence Resonant Energy Transfer in Calcium Concentration Dependent Cameleon. Journal of Physical Chemistry B, 2000, 104, 3676-3682.	2.6	108
56	Fluorescent probes for superresolution imaging of lipid domains on the plasma membrane. Chemical Science, 2011, 2, 1548.	7.4	108
57	Genetically Encoded Tools for Optical Dissection of the Mammalian Cell Cycle. Molecular Cell, 2017, 68, 626-640.e5.	9.7	105
58	Rational Design of Photoconvertible and Biphotochromic Fluorescent Proteins for Advanced Microscopy Applications. Chemistry and Biology, 2011, 18, 1241-1251.	6.0	96
59	Local Apoptosis Modulates Early Mammalian Brain Development through the Elimination of Morphogen-Producing Cells. Developmental Cell, 2013, 27, 621-634.	7.0	92
60	Direct measurement of protein dynamics inside cells using a rationally designed photoconvertible protein. Nature Methods, 2008, 5, 339-345.	19.0	90
61	Brain/MINDS: brain-mapping project in Japan. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140310.	4.0	89
62	Coupling delay controls synchronized oscillation in the segmentation clock. Nature, 2020, 580, 119-123.	27.8	89
63	Visualizing and Modulating Mitophagy for Therapeutic Studies of Neurodegeneration. Cell, 2020, 181, 1176-1187.e16.	28.9	89
64	Green Fluorescent Protein-like Proteins in Reef Anthozoa Animals.. Cell Structure and Function, 2002, 27, 343-347.	1.1	85
65	Crystallographic Evidence for Water-assisted Photo-induced Peptide Cleavage in the Stony Coral Fluorescent Protein Kaede. Journal of Molecular Biology, 2007, 372, 918-926.	4.2	81
66	Red fluorescent proteins: chromophore formation and cellular applications. Current Opinion in Structural Biology, 2012, 22, 679-688.	5.7	80
67	Space Radiation Biology for â€œLiving in Spaceâ€• BioMed Research International, 2020, 2020, 1-25.	1.9	75
68	Two-photon dual-color imaging using fluorescent proteins. Nature Methods, 2008, 5, 373-374.	19.0	69
69	Lighting up cells: labelling proteins with fluorophores. Nature Cell Biology, 2003, Suppl, S1-7.	10.3	69
70	A Cell/Cilia Cycle Biosensor for Single-Cell Kinetics Reveals Persistence of Cilia after G1/S Transition Is a General Property in Cells and Mice. Developmental Cell, 2018, 47, 509-523.e5.	7.0	66
71	A highly photostable and bright green fluorescent protein. Nature Biotechnology, 2022, 40, 1132-1142.	17.5	65
72	Engineering FRET Constructs Using CFP and YFP. Methods in Cell Biology, 2008, 85, 381-393.	1.1	62

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73	Bioluminescent system for dynamic imaging of cell and animal behavior. Biochemical and Biophysical Research Communications, 2012, 419, 188-193.	2.1	61
74	Mechanisms of protein fluorophore formation and engineering. Current Opinion in Chemical Biology, 2003, 7, 557-562.	6.1	60
75	Visualizing the cell-cycle progression of endothelial cells in zebrafish. Developmental Biology, 2014, 393, 10-23.	2.0	59
76	The E1 Mechanism in Photo-Induced Î²-Elimination Reactions for Green-to-Red Conversion of Fluorescent Proteins. Chemistry and Biology, 2009, 16, 1140-1147.	6.0	56
77	Attenuation of photobleaching in two-photon excitation fluorescence from green fluorescent protein with shaped excitation pulses. Biochemical and Biophysical Research Communications, 2003, 311, 592-596.	2.1	55
78	Efficient induction of dopaminergic neuron differentiation from induced pluripotent stem cells reveals impaired mitophagy in PARK2 neurons. Biochemical and Biophysical Research Communications, 2017, 483, 88-93.	2.1	55
79	Structural Characterization of a Thiazoline-Containing Chromophore in an Orange Fluorescent Protein, Monomeric Kusabira Orange. Biochemistry, 2008, 47, 11573-11580.	2.5	53
80	Fluorescence imaging using a fluorescent protein with a large Stokes shift. Methods, 2008, 45, 223-226.	3.8	52
81	Primary Events of Photodynamics in Reversible Photoswitching Fluorescent Protein Dronpa. Journal of Physical Chemistry Letters, 2010, 1, 3328-3333.	4.6	51
82	Genetic visualization of protein interactions harnessing liquid phase transitions. Scientific Reports, 2017, 7, 46380.	3.3	51
83	Engrafted Neural Stem/Progenitor Cells Promote Functional Recovery through Synapse Reorganization with Spared Host Neurons after Spinal Cord Injury. Stem Cell Reports, 2015, 5, 264-277.	4.8	48
84	Novel In Vitro Protein Fragment Complementation Assay Applicable to High-Throughput Screening in a 1536-Well Format. Journal of Biomolecular Screening, 2009, 14, 970-979.	2.6	47
85	Higher resolution in localizationmicroscopy by slower switching of a photochromic protein. Photochemical and Photobiological Sciences, 2010, 9, 239-248.	2.9	45
86	Engineering Fluorescent Proteins. Advances in Biochemical Engineering/Biotechnology, 2005, 95, 1-15.	1.1	43
87	Excited States of Fluorescent Proteins, mKO and DsRed: Chromophoreâ^'Protein Electrostatic Interaction Behind the Color Variations. Journal of Physical Chemistry B, 2010, 114, 2971-2979.	2.6	43
88	A Diffraction-Quality Protein Crystal Processed as an Autophagic Cargo. Molecular Cell, 2015, 58, 186-193.	9.7	43
89	Quantitative comparison of genetically encoded Ca2+ indicators in cortical pyramidal cells and cerebellar purkinje cells. Frontiers in Cellular Neuroscience, 2011, 5, 18.	3.7	42
90	Novel luciferaseâ€“opsin combinations for improved luminopsins. Journal of Neuroscience Research, 2020, 98, 410-421.	2.9	41

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91	Visualizing developmentally programmed endoreplication in mammals using ubiquitin oscillators. Development (Cambridge), 2013, 140, 4624-4632.	2.5	39
92	Proliferation-coupled osteoclast differentiation by RANKL: Cell density as a determinant of osteoclast formation. Bone, 2015, 81, 392-399.	2.9	36
93	Involvement of Receptor Activator of Nuclear Factor-Î°B Ligand (RANKL)-induced Incomplete Cytokinesis in the Polyploidization of Osteoclasts. Journal of Biological Chemistry, 2016, 291, 3439-3454.	3.4	33
94	Time-lapse imaging of cell cycle dynamics during development in living cardiomyocyte. Journal of Molecular and Cellular Cardiology, 2014, 72, 241-249.	1.9	32
95	Gravity sensing in plant and animal cells. Npj Microgravity, 2021, 7, 2.	3.7	32
96	Intravital imaging of Ca2+ signals in lymphocytes of Ca2+ biosensor transgenic mice: indication of autoimmune diseases before the pathological onset. Scientific Reports, 2016, 6, 18738.	3.3	28
97	Controllable alignment of elongated microorganisms in 3D microspace using electrofluidic devices manufactured by hybrid femtosecond laser microfabrication. Microsystems and Nanoengineering, 2017, 3, 16078.	7.0	28
98	Green Fluorescent Protein Glows Gold. Cell, 2008, 135, 987-990.	28.9	27
99	Excitatory Neuronal Hubs Configure Multisensory Integration of Slow Waves in Association Cortex. Cell Reports, 2018, 22, 2873-2885.	6.4	27
100	Synthesis of Firefly Luciferin Analogues and Evaluation of the Luminescent Properties. Chemistry - A European Journal, 2016, 22, 9330-9337.	3.3	26
101	Fluorescent protein-based detection of unconjugated bilirubin in newborn serum. Scientific Reports, 2016, 6, 28489.	3.3	26
102	Fluorescence imaging in the last two decades. Microscopy (Oxford, England), 2013, 62, 63-68.	1.5	25
103	Quantum yield improvement of red-light-emitting firefly luciferin analogues for inÂvivo bioluminescence imaging. Tetrahedron, 2018, 74, 652-660.	1.9	25
104	Confocal Imaging of Subcellular Ca2+ Concentrations Using a Dual-Excitation Ratiometric Indicator Based on Green Fluorescent Protein. Science Signaling, 2002, 2002, pl4-pl4.	3.6	22
105	Genetically Encoded Voltage Indicators in Circulation Research. International Journal of Molecular Sciences, 2015, 16, 21626-21642.	4.1	22
106	Visualization of Probiotic-Mediated Ca2+ Signaling in Intestinal Epithelial Cells In Vivo. Frontiers in Immunology, 2016, 7, 601.	4.8	22
107	Genetically Encoded Fluorescent Indicator GRAPHIC Delineates Intercellular Connections. IScience, 2019, 15, 28-38.	4.1	21
108	Fourier-transform spectroscopy combined with a 5-fs broadband pulse for multispectral nonlinear microscopy. Physical Review A, 2008, 77, .	2.5	20

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109	Toward bioluminescence in the near-infrared region: Tuning the emission wavelength of firefly luciferin analogues by allyl substitution. Tetrahedron Letters, 2018, 59, 1087-1090.	1.4	20
110	Development of cell-impermeable coelenterazine derivatives. Chemical Science, 2013, 4, 4395.	7.4	19
111	[7] Development of genetically encoded fluorescent indicators for calcium. Methods in Enzymology, 2003, 360, 202-225.	1.0	18
112	Differential Ras Activation between Caveolae/Raft and Non-Raft Microdomains. Cell Structure and Function, 2007, 32, 9-15.	1.1	18
113	Functional visualization of NK cell-mediated killing of metastatic single tumor cells. ELife, 2022, 11, .	6.0	18
114	APCCDH1 Targets MgcRacGAP for Destruction in the Late M Phase. PLoS ONE, 2013, 8, e63001.	2.5	17
115	A practical device for pinpoint delivery of molecules into multiple neurons in culture. Brain Cell Biology, 2006, 35, 229-237.	3.2	16
116	Live Imaging-Based Model Selection Reveals Periodic Regulation of the Stochastic G1/S Phase Transition in Vertebrate Axial Development. PLoS Computational Biology, 2014, 10, e1003957.	3.2	16
117	A dual-ligand-modulable fluorescent protein based on UnaG and calmodulin. Biochemical and Biophysical Research Communications, 2018, 496, 872-879.	2.1	16
118	Diffusion of Large Molecules into Assembling Nuclei Revealed Using an Optical Highlighting Technique. Biophysical Journal, 2009, 97, 1288-1294.	0.5	15
119	Molecular basis of photochromism of a fluorescent protein revealed by direct 13C detection under laser illumination. Journal of Biomolecular NMR, 2010, 48, 237-246.	2.8	15
120	Nonlinear Optical Microscopy and Spectroscopy Employing Octave Spanning Pulses. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 767-780.	2.9	15
121	Development of nearâ€infrared firefly luciferin analogue reacted with wildâ€type and mutant luciferases. Chirality, 2020, 32, 922-931.	2.6	14
122	DHODH inhibition synergizes with DNA-demethylating agents in the treatment of myelodysplastic syndromes. Blood Advances, 2021, 5, 438-450.	5.2	14
123	Brain clearing for connectomics. Microscopy (Oxford, England), 2015, 64, 5-8.	1.5	13
124	Two Distinct Fluorescence States of the Ligand-Induced Green Fluorescent Protein UnaG. Biophysical Journal, 2017, 113, 2805-2814.	0.5	13
125	Apoptosis induction-related cytosolic calcium responses revealed by the dual FRET imaging of calcium signals and caspase-3 activation in a single cell. Biochemical and Biophysical Research Communications, 2015, 460, 82-87.	2.1	12
126	Bringing bioluminescence into the picture. Nature Methods, 2007, 4, 616-617.	19.0	11

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127	High-resolution fluorescence microscopy based on a cyclic sequential multiphoton process. Biomedical Optics Express, 2010, 1, 791.	2.9	11
128	Fucci-guided purification of hematopoietic stem cells with high repopulating activity. Biochemical and Biophysical Research Communications, 2015, 457, 7-11.	2.1	11
129	A spherical aberration-free microscopy system for live brain imaging. Biochemical and Biophysical Research Communications, 2018, 500, 236-241.	2.1	11
130	Fast dual-excitation ratiometry with light-emitting diodes and high-speed liquid crystal shutters. Biochemical and Biophysical Research Communications, 2006, 340, 250-255.	2.1	10
131	Development of microscopic systems for high-speed dual-excitation ratiometric Ca2+ imaging. Brain Cell Biology, 2008, 36, 43-52.	3.2	10
132	Exploiting the cyanobacterial light-harvesting machinery for developing fluorescent probes. Nature Methods, 2016, 13, 729-730.	19.0	10
133	Memorizing spatiotemporal patterns. Nature Chemical Biology, 2007, 3, 598-601.	8.0	9
134	Simultaneous dual-excitation ratiometry using orthogonal linear polarized lights. Biochemical and Biophysical Research Communications, 2004, 317, 77-83.	2.1	8
135	Efficacy of the novel tubulin polymerization inhibitor PTCâ€028 for myelodysplastic syndrome. Cancer Science, 2020, 111, 4336-4347.	3.9	8
136	Distributed sensory coding by cerebellar complex spikes in units of cortical segments. Cell Reports, 2021, 37, 109966.	6.4	8
137	Tracking of Normal and Malignant Progenitor Cell Cycle Transit in a Defined Niche. Scientific Reports, 2016, 6, 23885.	3.3	7
138	Photoconvertible Behavior of LSSmOrange Applicable for Single Emission Band Optical Highlighting. Biophysical Journal, 2016, 111, 1014-1025.	0.5	7
139	Analysis of cardiomyocyte movement in the developing murine heart. Biochemical and Biophysical Research Communications, 2015, 464, 1000-1007.	2.1	6
140	G9a-dependent histone methylation can be induced in G1 phase of cell cycle. Scientific Reports, 2019, 9, 956.	3.3	6
141	Engineering a genetically-encoded SHG chromophore by electrostatic targeting to the membrane. Frontiers in Molecular Neuroscience, 2014, 7, 93.	2.9	5
142	Simultaneous imaging of multiple cellular events using high-accuracy fluorescence polarization microscopy. Microscopy (Oxford, England), 2017, 66, 110-119.	1.5	5
143	Voices in methods development. Nature Methods, 2019, 16, 945-951.	19.0	5
144	Electric-field control of fluorescence protein emissions at the metal-solution interface. Applied Physics Express, 2019, 12, 067001.	2.4	4

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145	Development of Phenyl Oligoene-type Firefly Luciferin Analogues with Extended Ï€-Electronic Conjugation for Near-infrared Bioluminescence. Chemistry Letters, 2021, 50, 1523-1525.	1.3	3
146	Interface-specific mode of protonationâ€“deprotonation reactions underlies the cathodic modulation of fluorescence protein emission. Applied Physics Express, 2020, 13, 127001.	2.4	3
147	A poly(dimethylsiloxane)-based device enabling time-lapse imaging with high spatial resolution. Biochemical and Biophysical Research Communications, 2010, 392, 307-310.	2.1	2
148	Software for precise tracking of cell proliferation. Biochemical and Biophysical Research Communications, 2012, 417, 1080-1085.	2.1	2
149	Extending Whole Slide Imaging: Color Darkfield Internal Reflection Illumination (DIRI) for Biological Applications. PLoS ONE, 2017, 12, e0167774.	2.5	2
150	Data on peptidyl platform-based anticancer drug synthesis and triton-x-based micellar clusters (MCs) self-assembly peculiarities for enhanced solubilization, encapsulation of hydrophobic compounds and their interaction with HeLa cells. Data in Brief, 2019, 25, 104052.	1.0	2
151	Great Expectations. Science, 2009, 326, 339-339.	12.6	1
152	Editorial overview: Molecular imaging: Cellular imaging approaches. Current Opinion in Chemical Biology, 2015, 27, v-vi.	6.1	1
153	Onâ€Site Monitoring of Postoperative Bile Leakage Using Bilirubinâ€Inducible Fluorescent Protein. World Journal of Surgery, 2020, 44, 4245-4253.	1.6	1
154	New Fluoescent Probes and New Perspectives in Bioscience. , 2006, , .		0
155	2P510 Permeability change of the nuclear envelope(52. Bio-imaging,Poster Session,Abstract,Meeting) Tj ETQq1 1 0.784314 rgBT /Ov	0.1	0
156	2P517 Simultaneous dual-excitation ratiometry with light emitting diodes and high-speed liquid crystal shutters(52. Bio-imaging,Poster Session,Abstract,Meeting Program of EABS & BSJ 2006). Seibutsu Butsuri, 2006, 46, S425.	0.1	0
157	2P520 Optical imaging of calcium transients in the muscle of ascidian larva(52. Bio-imaging,Poster) Tj ETQq1 1 0.784314 rgBT /Overl	0.1	0
158	2P524 Dual-color fluorescence cross-correlation spectroscopy using Keima and a fluorescence protein(52. Bio-imaging,Poster Session,Abstract,Meeting Program of EABS & BSJ 2006). Seibutsu Butsuri, 2006, 46, S426.	0.1	0
159	2P-322 Passive diffusion of large molecules into nuclei revealed using an optical highlighting technique(The 46th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2008, 48, S124.	0.1	0
160	I-2. A bilirubin-inducible fluorescent protein from eel muscle. Nippon Suisan Gakkaishi, 2015, 81, 730-730.	0.1	0
161	Roger Y. Tsien (1952â€“2016). Cell, 2016, 167, 298-300.	28.9	0
162	Green to Red Photo-convertible Fluorescence Proteins and in-vivo Crystallization. Seibutsu Butsuri, 2016, 56, 337-339.	0.1	0

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163	Green Fluorescent Protein-based Probes.. Seibutsu Butsuri, 2000, 40, 83-88.	0.1	0
164	The Spatial and Temporal Dynamics of Intracellular Signaling. Seibutsu Butsuri, 2004, 44, 276-280.	0.1	0
165	Fourier-transform Spectroscopic Technique for Multi-spectral Nonlinear Microscopy Using a 5-fs Broadband Light Source. The Review of Laser Engineering, 2008, 36, 1335-1338.	0.0	0
166	Genetically encoded tools based on luminescent proteins. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, SY82-1.	0.0	0
167	An Example of R&D with RIKEN CBS-OLYMPUS Collaboration Center (BOCC). The Brain & Neural Networks, 2020, 27, 20-27.	0.1	0
168	Fringe- and speckle-free holographic patterned illumination using time-multiplexed temporal focusing. Applied Physics Express, 2022, 15, 042005.	2.4	0