Takeaki Ozawa

List of Publications by Year
in descending order

89	3,216	236925 25	155660 55
papers	citations	h-index	g-index

90	90	90	4692
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Poly(ADP-ribose) Polymerase (PARP) is Critically Involved in Liver Ischemia/Reperfusion-injury. Journal of Surgical Research, 2022, 270, 124-138.	1.6	4
2	A Series of Furimazine Derivatives for Sustained Live-Cell Bioluminescence Imaging and Application to the Monitoring of Myogenesis at the Single-Cell Level. Bioconjugate Chemistry, 2022, 33, 496-504.	3.6	6
3	Castanospermine suppresses CD44 ectodomain cleavage as revealed by transmembrane bioluminescent sensors. Journal of Cell Science, 2022, 135, .	2.0	1
4	Sphingomyelin localization in the intestinal crypt surface. Biochemical and Biophysical Research Communications, 2022, 611, 14-18.	2.1	0
5	Discovery of a phase-separating small molecule that selectively sequesters tubulin in cells. Chemical Science, 2022, 13, 5760-5766.	7.4	6
6	Long-term single cell bioluminescence imaging with C-3 position protected coelenterazine analogues. Organic and Biomolecular Chemistry, 2021, 19, 579-586.	2.8	9
7	Quantitative Analysis of Membrane Receptor Trafficking Manipulated by Optogenetic Tools. Methods in Molecular Biology, 2021, 2274, 15-23.	0.9	1
8	Quantitative Determination and Imaging of GÎ±q Signaling in Live Cells via Split-Luciferase Complementation. Methods in Molecular Biology, 2021, 2274, 69-78.	0.9	0
9	Functional Modulation of Receptor Proteins on Cellular Interface with Optogenetic System. Advances in Experimental Medicine and Biology, 2021, 1293, 247-263.	1.6	0
10	A Split-Luciferase-Based Cell Fusion Assay for Evaluating the Myogenesis-Promoting Effects of Bioactive Molecules. Methods in Molecular Biology, 2021, 2274, 79-87.	0.9	0
11	Optogenetic Control of Phosphatidylinositol (3,4,5)â€Triphosphate Production by Lightâ€Sensitive Cryptochrome Proteins on the Plasma Membrane. Chinese Journal of Chemistry, 2021, 39, 1240-1246.	4.9	2
12	Recent advances of vibrational spectroscopy and chemometrics for forensic biological analysis. Analyst, The, 2021, 146, 7431-7449.	3.5	10
13	Fluorescent H₂ Receptor Squaramide-Type Antagonists: Synthesis, Characterization, and Applications. ACS Medicinal Chemistry Letters, 2020, 11, 1521-1528.	2.8	5
14	Advanced Bioluminescence System for In Vivo Imaging with Brighter and Red-Shifted Light Emission. International Journal of Molecular Sciences, 2020, 21, 6538.	4.1	28
15	Synergetic Roles of Formyl Peptide Receptor 1 Oligomerization in Ligand-Induced Signal Transduction. ACS Chemical Biology, 2020, 15, 2577-2587.	3.4	11
16	Light-mediated control of Gene expression in mammalian cells. Neuroscience Research, 2020, 152, 66-77.	1.9	24
17	Parallelized shiftedâ€excitation Raman difference spectroscopy for fluorescence rejection in a temporary varying system. Journal of Biophotonics, 2019, 12, e201960028.	2.3	3
18	A Detection Method for GLUT4 Exocytosis Based on Spontaneous Split Luciferase Complementation. Analytical Sciences, 2019, 35, 835-838.	1.6	6

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19	Comprehensive modeling of bloodstain aging by multivariate Raman spectral resolution with kinetics. Communications Chemistry, 2019, 2, .	4.5	8
20	[³H]UR-DEBa176: A 2,4-Diaminopyrimidine-Type Radioligand Enabling Binding Studies at the Human, Mouse, and Rat Histamine H₄ Receptors. Journal of Medicinal Chemistry, 2019, 62, 8338-8356.	6.4	6
21	Photocleavable Cadherin Inhibits Cell-to-Cell Mechanotransduction by Light. ACS Chemical Biology, 2019, 14, 2206-2214.	3.4	15
22	Phenotype Profiling for Forensic Purposes: Determining Donor Sex Based on Fourier Transform Infrared Spectroscopy of Urine Traces. Analytical Chemistry, 2019, 91, 6288-6295.	6.5	28
23	Using redox-sensitive mitochondrial cytochrome Raman bands for label-free detection of mitochondrial dysfunction. Analyst, The, 2019, 144, 2531-2540.	3.5	33
24	Enhanced bioluminescent sensor for longitudinal detection of CREB activation in living cells. Photochemical and Photobiological Sciences, 2019, 18, 2740-2747.	2.9	1
25	Activation of caspase-3 during Chlamydia trachomatis-induced apoptosis at a late stage. Canadian Journal of Microbiology, 2019, 65, 135-143.	1.7	21
26	Unique Roles of Î²-Arrestin in GPCR Trafficking Revealed by Photoinducible Dimerizers. Scientific Reports, 2018, 8, 677.	3.3	19
27	Nano-Materials for Bioimaging. Analytical Sciences, 2018, 34, 125-126.	1.6	0
28	Real-Time Fluorescence Imaging of Single-Molecule Endogenous Noncoding RNA in Living Cells. Methods in Molecular Biology, 2018, 1649, 337-347.	0.9	6
29	Cooperative interaction among BMAL1, HSF1, and p53 protects mammalian cells from UV stress. Communications Biology, 2018, 1, 204.	4.4	25
30	A split luciferase-based probe for quantitative proximal determination of GÎ±q signalling in live cells. Scientific Reports, 2018, 8, 17179.	3.3	16
31	Preferential Photoreaction in a Porous Crystal, Metalâ€“Macrocycle Framework: Pd^{II}-Mediated Olefin Migration over [2+2] Cycloaddition. Journal of the American Chemical Society, 2018, 140, 16610-16614.	13.7	29
32	Photo-Activatable Akt Probe: A New Tool to Study the Akt-Dependent Physiopathology of Cancer Cells. Oncology Research, 2018, 26, 467-472.	1.5	0
33	A robust split-luciferase-based cell fusion screening for discovering myogenesis-promoting molecules. Analyst, The, 2018, 143, 3472-3480.	3.5	6
34	Establishing a Split Luciferase Assay for Proteinkinase G (PKG) Interaction Studies. International Journal of Molecular Sciences, 2018, 19, 1180.	4.1	4
35	Soft and Robust Identification of Body Fluid Using Fourier Transform Infrared Spectroscopy and Chemometric Strategies for Forensic Analysis. Scientific Reports, 2018, 8, 8459.	3.3	63
36	Lightâ€controllable Transcription System by Nucleocytoplasmic Shuttling of a Truncated Phytochrome B. Photochemistry and Photobiology, 2018, 94, 1071-1076.	2.5	10

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37	Detection of Necroptosis in Ligand-Mediated and Hypoxia-Induced Injury of Hepatocytes Using a Novel Optic Probe-Detecting Receptor-Interacting Protein (RIP)1/RIP3 Binding. Oncology Research, 2018, 26, 503-513.	1.5	16
38	Split luciferase complementation assay for the analysis of G proteinâ€coupled receptor ligand response in Saccharomyces cerevisiae. Biotechnology and Bioengineering, 2017, 114, 1354-1361.	3.3	3
39	Rapid in vivo lipid/carbohydrate quantification of single microalgal cell by Raman spectral imaging to reveal salinity-induced starch-to-lipid shift. Biotechnology for Biofuels, 2017, 10, 9.	6.2	37
40	Protein expression guided chemical profiling of living cells by the simultaneous observation of Raman scattering and anti-Stokes fluorescence emission. Scientific Reports, 2017, 7, 43569.	3.3	13
41	Liquid/Liquid Interfacial Synthesis of a Click Nanosheet. Chemistry - A European Journal, 2017, 23, 8443-8449.	3.3	17
42	Optogenetic interrogation reveals separable G-protein-dependent and -independent signalling linking G-protein-coupled receptors to the circadian oscillator. BMC Biology, 2017, 15, 40.	3.8	10
43	Dynamic monitoring of p53 translocation to mitochondria for the analysis of specific inhibitors using luciferaseâ€fragment complementation. Biotechnology and Bioengineering, 2017, 114, 2818-2827.	3.3	4
44	Spectral Mining for Discriminating Blood Origins in the Presence of Substrate Interference via Attenuated Total Reflection Fourier Transform Infrared Spectroscopy: Postmortem or Antemortem Blood?. Analytical Chemistry, 2017, 89, 9797-9804.	6.5	21
45	In Search of NPY Y₄R Antagonists: Incorporation of Carbamoylated Arginine, Aza-Amino Acids, or <scp>d</scp>-Amino Acids into Oligopeptides Derived from the C-Termini of the Endogenous Agonists. ACS Omega, 2017, 2, 3616-3631.	3.5	11
46	A genetic screen to discover SUMOylated proteins in living mammalian cells. Scientific Reports, 2017, 7, 17443.	3.3	6
47	Spatiotemporal analysis with a genetically encoded fluorescent RNA probe reveals TERRA function around telomeres. Scientific Reports, 2016, 6, 38910.	3.3	26
48	Confocal Bioluminescence Imaging for Living Tissues with a Caged Substrate of Luciferin. Analytical Chemistry, 2016, 88, 6231-6238.	6.5	9
49	Bioluminescent Indicator for Highly Sensitive Analysis of Estrogenic Activity in a Cell-Based Format. Bioconjugate Chemistry, 2016, 27, 2689-2694.	3.6	3
50	A genetically encoded bioluminescent indicator for illuminating proinflammatory cytokines. MethodsX, 2016, 3, 483-489.	1.6	2
51	Live Cell Bioluminescence Imaging in Temporal Reaction of G Protein-Coupled Receptor for High-Throughput Screening and Analysis. Methods in Molecular Biology, 2016, 1461, 195-202.	0.9	1
52	In Situ Characterization of Bak Clusters Responsible for Cell Death Using Single Molecule Localization Microscopy. Scientific Reports, 2016, 6, 27505.	3.3	33
53	Attenuation of chemokine receptor function and surface expression as an immunomodulatory strategy employed by human cytomegalovirus is linked to vGPCR US28. Cell Communication and Signaling, 2016, 14, 31.	6.5	10
54	Genetically Encoded Fluorescent Probe for Imaging Apoptosis in Vivo with Spontaneous GFP Complementation. Analytical Chemistry, 2016, 88, 838-844.	6.5	24

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55	An optogenetic system for interrogating the temporal dynamics of Akt. Scientific Reports, 2015, 5, 14589.	3.3	48
56	CRY Drives Cyclic CK2-Mediated BMAL1 Phosphorylation to Control the Mammalian Circadian Clock. PLoS Biology, 2015, 13, e1002293.	5.6	36
57	Simultaneous Time-Lamination Imaging of Protein Association Using a Split Fluorescent Timer Protein. Analytical Chemistry, 2015, 87, 3366-3372.	6.5	1
58	A new cell-based assay to evaluate myogenesis in mouse myoblast C2C12 cells. Experimental Cell Research, 2015, 336, 171-181.	2.6	41
59	Bioluminescent tools for the analysis of G-protein-coupled receptor and arrestin interactions. RSC Advances, 2015, 5, 12655-12663.	3.6	5
60	Recruitment ofÎ²-Arrestin 1 and 2 to theÎ²₂-Adrenoceptor: Analysis of 65 Ligands. Journal of Pharmacology and Experimental Therapeutics, 2015, 355, 183-190.	2.5	26
61	Multimodal and multiplex spectral imaging of rat cornea ex vivo using a whiteâ€light laser source. Journal of Biophotonics, 2015, 8, 705-713.	2.3	8
62	Assay methods for small ubiquitin-like modifier (SUMO)â€“SUMO-interacting motif (SIM) interactions in vivo and in vitro using a split-luciferase complementation system. Analytical Biochemistry, 2014, 448, 92-94.	2.4	7
63	Long Noncoding RNA NEAT1-Dependent SFPQ Relocation from Promoter Region to Paraspeckle Mediates IL8 Expression upon Immune Stimuli. Molecular Cell, 2014, 53, 393-406.	9.7	574
64	Methods of Split Reporter Reconstitution for the Analysis of Biomolecules. Chemical Record, 2014, 14, 492-501.	5.8	9
65	2P223 Signal transduction mechanism of Akt reveald by single molecule imaging of Akt and receptor molecules(13E. Biological & Artificial membrane:Signal transduction,Poster). Seibutsu Butsuri, 2014, 54, S232.	0.1	0
66	Bioluminescent Probes to Analyze Ligand-Induced Phosphatidylinositol 3,4,5-Trisphosphate Production with Split Luciferase Complementation. Analytical Chemistry, 2013, 85, 11352-11359.	6.5	9
67	Advances in Fluorescence and Bioluminescence Imaging. Analytical Chemistry, 2013, 85, 590-609.	6.5	186
68	Longitudinal Bioluminescence Imaging of the Dynamics of Doxorubicin Induced Apoptosis. Theranostics, 2013, 3, 190-200.	10.0	49
69	Measuring CREB Activation Using Bioluminescent Probes That Detect KIDâ€“KIX Interaction in Living Cells. Bioconjugate Chemistry, 2012, 23, 923-932.	3.6	11
70	In Vivo Monitoring of Liver Damage Using Caspase-3 Probe. Theranostics, 2012, 2, 207-214.	10.0	26
71	Dual-Color Bioluminescence Analysis for Quantitatively Monitoring G-Protein-Coupled Receptor and Î²-Arrestin Interactions. Pharmaceuticals, 2011, 4, 457-469.	3.8	10
72	Imaging of Endogenous RNA Using Genetically Encoded Probes. Current Protocols in Chemical Biology, 2011, 3, 27-37.	1.7	1

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73	LUCIFERASES FOR THE STUDY OF PROTEINâ€“PROTEIN INTERACTIONS IN LIVE CELLS AND ANIMALS. Nano LIFE, 2010, 01, 79-87.	0.9	4
74	Creating bioluminescent indicators to visualise biological events in living cells and animals. Supramolecular Chemistry, 2010, 22, 440-449.	1.2	9
75	Rapid and High-Sensitivity Cell-Based Assays of Proteinâˆ'Protein Interactions Using Split Click Beetle Luciferase Complementation: An Approach to the Study of G-Protein-Coupled Receptors. Analytical Chemistry, 2010, 82, 2552-2560.	6.5	79
76	Protein Reconstitution Methods for Visualizing Biomolecular Function in Living Cells. Yakugaku Zasshi, 2009, 129, 289-295.	0.2	12
77	High-Sensitivity Real-Time Imaging of Dual Protein-Protein Interactions in Living Subjects Using Multicolor Luciferases. PLoS ONE, 2009, 4, e5868.	2.5	67
78	A Minimal Peptide Sequence That Targets Fluorescent and Functional Proteins into the Mitochondrial Intermembrane Space. ACS Chemical Biology, 2007, 2, 176-186.	3.4	29
79	Cyclic Luciferase for Realâ€Time Sensing of Caspaseâ€3 Activities in Living Mammals. Angewandte Chemie - International Edition, 2007, 46, 7595-7599.	13.8	104
80	Imaging dynamics of endogenous mitochondrial RNA in single living cells. Nature Methods, 2007, 4, 413-419.	19.0	271
81	A high-throughput screening of genes that encode proteins transported into the endoplasmic reticulum in mammalian cells. Nucleic Acids Research, 2005, 33, e34-e34.	14.5	135
82	A genetic approach to identifying mitochondrial proteins. Nature Biotechnology, 2003, 21, 287-293.	17.5	127
83	Peptide Assemblies in Living Cells. Methods for Detecting Protein-Protein Interactionsâ€. Supramolecular Chemistry, 2002, 14, 271-280.	1.2	10
84	Split Luciferase as an Optical Probe for Detecting Proteinâˆ'Protein Interactions in Mammalian Cells Based on Protein Splicing. Analytical Chemistry, 2001, 73, 2516-2521.	6.5	255
85	Protein Splicing-Based Reconstitution of Split Green Fluorescent Protein for Monitoring Proteinâˆ'Protein Interactions in Bacteria:Â Improved Sensitivity and Reduced Screening Time. Analytical Chemistry, 2001, 73, 5866-5874.	6.5	83
86	How Can Ca2+ Selectively Activate Recoverin in the Presence of Mg2+? Surface Plasmon Resonance and FT-IR Spectroscopic Studies. Biochemistry, 2000, 39, 14495-14503.	2.5	51
87	Novel Interaction of the Voltage-Dependent Sodium Channel (VDSC) with Calmodulin:Â Does VDSC Acquire Calmodulin-Mediated Ca2+-Sensitivity?â€. Biochemistry, 2000, 39, 1316-1323.	2.5	114
88	A Fluorescent Indicator for Detecting Proteinâˆ'Protein Interactions in Vivo Based on Protein Splicing. Analytical Chemistry, 2000, 72, 5151-5157.	6.5	134
89	An Optical Method for Evaluating Ion Selectivity for Calcium Signaling Pathways in the Cell. Analytical Chemistry, 1997, 69, 3081-3085.	6.5	22