Hideaki Yoshimura

List of Publications by Year
in descending order

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44 papers	796 citations	623699 14 h-index	501174 28 g-index
44 all docs	44 docs citations	44 times ranked	898 citing authors

#	Article	IF	Citations
1	Advances in Fluorescence and Bioluminescence Imaging. Analytical Chemistry, 2013, 85, 590-609.	6.5	186
2	Visualization of Nonengineered Single mRNAs in Living Cells Using Genetically Encoded Fluorescent Probes. Analytical Chemistry, 2011, 83, 5708-5714.	6.5	72
3	Fluorescent Probes for Imaging Endogenous Î²-Actin mRNA in Living Cells Using Fluorescent Protein-Tagged Pumilio. ACS Chemical Biology, 2012, 7, 999-1005.	3.4	58
4	Oxygen-Sensing Mechanism of HemAT fromBacillussubtilis:Â A Resonance Raman Spectroscopic Study. Journal of the American Chemical Society, 2004, 126, 15000-15001.	13.7	49
5	Specific Hydrogen-Bonding Networks Responsible for Selective O2 Sensing of the Oxygen Sensor Protein HemAT from Bacillus subtilis. Biochemistry, 2006, 45, 8301-8307.	2.5	41
6	Two ligand-binding sites in the O2-sensing signal transducer HemAT: Implications for ligand recognition/discrimination and signaling. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14796-14801.	7.1	39
7	Recognition and Discrimination of Gases by the Oxygen-Sensing Signal Transducer Protein HemAT As Revealed by FTIR Spectroscopyâ€. Biochemistry, 2006, 45, 7763-7766.	2.5	32
8	Spatiotemporal analysis with a genetically encoded fluorescent RNA probe reveals TERRA function around telomeres. Scientific Reports, 2016, 6, 38910.	3.3	26
9	Biophysical Properties of ac-Type Heme in Chemotaxis Signal Transducer Protein DcrAâ€. Biochemistry, 2005, 44, 15406-15413.	2.5	24
10	Genetically Encoded Fluorescent Probe for Imaging Apoptosis in Vivo with Spontaneous GFP Complementation. Analytical Chemistry, 2016, 88, 838-844.	6.5	24
11	Protein Conformation Changes of HemAT-Bs upon Ligand Binding Probed by Ultraviolet Resonance Raman Spectroscopy. Journal of Biological Chemistry, 2008, 283, 6942-6949.	3.4	22
12	Development of red-shifted mutants derived from luciferase of Brazilian click beetlePyrearinus termitilluminans. Journal of Biomedical Optics, 2015, 20, 101205.	2.6	20
13	Unique Roles of Î²-Arrestin in GPCR Trafficking Revealed by Photoinducible Dimerizers. Scientific Reports, 2018, 8, 677.	3.3	19
14	The formation of hydrogen bond in the proximal heme pocket of HemAT-Bs upon ligand binding. Biochemical and Biophysical Research Communications, 2007, 357, 1053-1057.	2.1	16
15	Halichonines A, B, and C, novel sesquiterpene alkaloids from the marine sponge Halichondria okadai Kadota. Chemical Communications, 2011, 47, 12453.	4.1	16
16	Photocleavable Cadherin Inhibits Cell-to-Cell Mechanotransduction by Light. ACS Chemical Biology, 2019, 14, 2206-2214.	3.4	15
17	Live Cell Imaging of Endogenous RNAs Using Pumilio Homology Domain Mutants: Principles and Applications. Biochemistry, 2018, 57, 200-208.	2.5	14
18	Self-aggregation of Synthetic Zinc 3-Hydroxymethyl-purpurin-18 andN-Hexylimide Methyl Esters in an Aqueous Solution as Models of Green Photosynthetic Bacterial Chlorosomes. Chemistry Letters, 2005, 34, 1344-1345.	1.3	11

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19	Synergetic Roles of Formyl Peptide Receptor 1 Oligomerization in Ligand-Induced Signal Transduction. ACS Chemical Biology, 2020, 15, 2577-2587.	3.4	11
20	Monitoring of RNA Dynamics in Living Cells Using PUM-HD and Fluorescent Protein Reconstitution Technique. Methods in Enzymology, 2016, 572, 65-85.	1.0	10
21	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
22	Methods of Split Reporter Reconstitution for the Analysis of Biomolecules. Chemical Record, 2014, 14, 492-501.	5.8	9
23	Long-term single cell bioluminescence imaging with C-3 position protected coelenterazine analogues. Organic and Biomolecular Chemistry, 2021, 19, 579-586.	2.8	9
24	Self-aggregation behavior of synthetic zinc 3-hydroxymethyl-13/15-carbonyl-chlorins as models of main light-harvesting components in photosynthetic green bacteria. Photosynthesis Research, 2008, 95, 223-228.	2.9	8
25	Pinnarine, Another Member of the Halichlorine Family. Isolation and Preparation from Pinnaic Acid. Journal of Natural Products, 2011, 74, 1323-1326.	3.0	8
26	Non-covalent modification of the heme-pocket of apomyoglobin by a 1,10-phenanthroline derivative. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 248-251.	2.2	6
27	Real-Time Fluorescence Imaging of Single-Molecule Endogenous Noncoding RNA in Living Cells. Methods in Molecular Biology, 2018, 1649, 337-347.	0.9	6
28	A robust split-luciferase-based cell fusion screening for discovering myogenesis-promoting molecules. Analyst, The, 2018, 143, 3472-3480.	3.5	6
29	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
30	Discovery of a phase-separating small molecule that selectively sequesters tubulin in cells. Chemical Science, 2022, 13, 5760-5766.	7.4	6
31	Signaling activations through G-protein-coupled-receptor aggregations. Physical Review E, 2020, 102, 032413.	2.1	5
32	Probing the Role of the Heme Distal and Proximal Environment in Ligand Dynamics in the Signal Transducer Protein HemAT by Time-Resolved Step-Scan FTIR and Resonance Raman Spectroscopy. Biochemistry, 2017, 56, 5309-5317.	2.5	4
33	Protein Dynamics of the Sensor Protein HemAT as Probed by Time-Resolved Step-Scan FTIR Spectroscopy. Biophysical Journal, 2018, 114, 584-591.	0.5	2
34	Potential of Singleâ€Molecule Liveâ€Cell Imaging for Chemical Translational Biology. ChemBioChem, 2021, 22, 2941-2945.	2.6	2
35	Hydrogen bonding interaction on the heme-bound ligand in the heme-based O₂ sensor protein. Journal of Porphyrins and Phthalocyanines, 2008, 12, 142-148.	0.8	1
36	Structural Dynamics of the Signal Transducer Protein HemAT as Revealed by Time-Resolved Step Scan FTIR Spectroscopy. Biophysical Journal, 2013, 104, 559a.	0.5	1

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37	Simultaneous Time-Lamination Imaging of Protein Association Using a Split Fluorescent Timer Protein. Analytical Chemistry, 2015, 87, 3366-3372.	6.5	1
38	Quantitative Analysis of Membrane Receptor Trafficking Manipulated by Optogenetic Tools. Methods in Molecular Biology, 2021, 2274, 15-23.	0.9	1
39	Triple-color Single-molecule Imaging of Receptor Accumulation and Signal Transduction in Living Cells. Seibutsu Butsuri, 2021, 61, 245-247.	0.1	1
40	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
41	Optical Control of G Protein-Coupled Receptor Activities in Living Cells. Springer Series in Chemical Physics, 2019, , 129-138.	0.2	0
42	Optical Monitoring of Single Molecule Dynamics of RNA in Living Cells. Springer Series in Chemical Physics, 2021, , 95-106.	0.2	0
43	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
44	Triple-color single-molecule imaging for analysis of the role of receptor oligomers in signal transduction. Biophysics and Physicobiology, 2022, 19, e190007_1-e190007_9.	1.0	0