

Hideyuki Miyatake

List of Publications by Year in descending order

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29
papers

687
citations

759055

12
h-index

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25
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30
all docs

30
docs citations

30
times ranked

1141
citing authors

#	ARTICLE	IF	CITATIONS
1	A Bilirubin-Inducible Fluorescent Protein from Eel Muscle. <i>Cell</i> , 2013, 153, 1602-1611.	13.5	269
2	IP ₃ -mediated gating mechanism of the IP ₃ receptor revealed by mutagenesis and X-ray crystallography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4661-4666.	3.3	70
3	Structure and characterization of amidase from <i>Rhodococcus</i> sp. N-771: Insight into the molecular mechanism of substrate recognition. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 184-192.	1.1	50
4	A novel sphingomyelin/cholesterol domain-specific probe reveals the dynamics of the membrane domains during virus release and in Niemann-Pick type C. <i>FASEB Journal</i> , 2017, 31, 1301-1322.	0.2	34
5	A Bioorthogonal Approach for the Preparation of a Titanium-Binding Insulin-Like Growth Factor ₁ Derivative by Using Tyrosinase. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11447-11451.	7.2	26
6	Crystal Structures of the Lumazine Protein from <i>Photobacterium kishitanii</i> in Complexes with the Authentic Chromophore, 6,7-Dimethyl-8-(1 ^d -Ribityl) Lumazine, and Its Analogues, Riboflavin and Flavin Mononucleotide, at High Resolution. <i>Journal of Bacteriology</i> , 2010, 192, 127-133.	1.0	24
7	Molecular Mechanism of HIV-1 Vpr for Binding to Importin- β . <i>Journal of Molecular Biology</i> , 2016, 428, 2744-2757.	2.0	24
8	Crystal structure of phyllogen, a phyllody-inducing effector protein of phytoplasma. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 952-957.	1.0	24
9	Cell migration and growth induced by photo-immobilised vascular endothelial growth factor (VEGF) isoforms. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4272-4279.	2.9	23
10	Crystal Structure of Human Importin- β 1 (Rch1), Revealing a Potential Autoinhibition Mode Involving Homodimerization. <i>PLoS ONE</i> , 2015, 10, e0115995.	1.1	20
11	Thermodynamic Characterization of the Interaction between Prefoldin and Group II Chaperonin. <i>Journal of Molecular Biology</i> , 2010, 399, 628-636.	2.0	16
12	Biomimetic Glucose Triggered Insulin Release System Based on Hydrogel Loading Bidentate β -Cyclodextrin. <i>Advanced Functional Materials</i> , 2021, 31, 2104488.	7.8	15
13	Leukocyte cell-derived chemotaxin 2 is a zinc-binding protein. <i>FEBS Letters</i> , 2013, 587, 404-409.	1.3	13
14	Mapping of mTOR drug targets: Featured platforms for anti-cancer drug discovery. , 2022, 232, 108012.		12
15	Development of a fully automated macromolecular crystallization/observation robotic system, HTS-80. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2005, 61, 658-663.	2.5	10
16	In Silico and In Cell Hybrid Selection of Nonrapalog Ligands to Allosterically Inhibit the Kinase Activity of mTORC1. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 1329-1341.	2.9	10
17	Enhancement of Binding Affinity of Folate to Its Receptor by Peptide Conjugation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2152.	1.8	9
18	Preparation of Biphenyl-Conjugated Bromotyrosine for Inhibition of PD-1/PD-L1 Immune Checkpoint Interactions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3639.	1.8	8

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19	Crystallization and preliminary X-ray analysis of the oxygenase component (HpaB) of 4-hydroxyphenylacetate 3-monooxygenase from <i>Thermus thermophilus</i> HB8. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 556-559.	0.7	7
20	Development of a Non-IgG PD-1/PD-L1 Inhibitor by <i>in Silico</i> Mutagenesis and an In-Cell Protein-Protein Interaction Assay. <i>ACS Chemical Biology</i> , 2021, 16, 316-323.	1.6	7
21	Evaluation of the Binding Kinetics of RHEB with mTORC1 by In-Cell and In Vitro Assays. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8766.	1.8	5
22	<i>Escherichia coli</i> expression, purification, and refolding of human folate receptor $\hat{1}$ (hFR $\hat{1}$) and $\hat{2}$ (hFR $\hat{2}$). <i>Protein Expression and Purification</i> , 2018, 149, 17-22.	0.6	3
23	A Bioorthogonal Approach for the Preparation of a Titanium-Binding Insulin-like Growth Factor-1 Derivative by Using Tyrosinase. <i>Angewandte Chemie</i> , 2016, 128, 11619-11623.	1.6	2
24	Adhesive Growth Factors Inspired by Underwater Adhesion Proteins. <i>ACS Symposium Series</i> , 2017, , 83-91.	0.5	2
25	Thiophene-Conjugated Ligand Probe for Nonenzymatic Turn-On Electrochemical Protein Detection. <i>Analytical Chemistry</i> , 2018, 90, 11179-11182.	3.2	2
26	Bioorthogonal Approaches To Prepare Specifically Modified Functional Proteins. <i>ACS Symposium Series</i> , 2018, , 15-24.	0.5	1
27	Development of an RHEB-Targeting Peptide To Inhibit mTORC1 Kinase Activity. <i>ACS Omega</i> , 0, , .	1.6	1
28	Real-Time Control of Nanoscale Protein Assembly for Further Crystallization Using a Solution Circulating Nanoaggregation Control Apparatus. <i>Crystal Growth and Design</i> , 2012, 12, 4466-4472.	1.4	0
29	InnenrÄ¼cktitelbild: A Bioorthogonal Approach for the Preparation of a Titanium-Binding Insulin-like Growth Factor-1 Derivative by Using Tyrosinase (<i>Angew. Chem.</i> 38/2016). <i>Angewandte Chemie</i> , 2016, 128, 11861-11861.	1.6	0