

Takamitsu Miyafusa

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

200
citations

1040056

9
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

356
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic elements govern the catalytic activity of CapE, a capsular polysaccharide-synthesizing enzyme from <i>Staphylococcus aureus</i> . <i>FEBS Letters</i> , 2013, 587, 3824-3830.	2.8	24
2	Discovery and characterization of natural tropolones as inhibitors of the antibacterial target CapF from <i>Staphylococcus aureus</i> . <i>Scientific Reports</i> , 2015, 5, 15337.	3.3	22
3	Identification of small-molecule inhibitors of the human S100B-p53 interaction and evaluation of their activity in human melanoma cells. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1109-1115.	3.0	21
4	Crystal structure of the C-terminal domain of Mu phage central spike and functions of bound calcium ion. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 284-291.	2.3	21
5	Disruption of cell adhesion by an antibody targeting the cell-adhesive intermediate (X-dimer) of human P-cadherin. <i>Scientific Reports</i> , 2017, 7, 39518.	3.3	18
6	Backbone Circularization Coupled with Optimization of Connecting Segment in Effectively Improving the Stability of Granulocyte-Colony Stimulating Factor. <i>ACS Chemical Biology</i> , 2017, 12, 2690-2696.	3.4	17
7	Crystal structure of the capsular polysaccharide synthesizing protein CapE of <i>Staphylococcus aureus</i> . <i>Bioscience Reports</i> , 2013, 33, .	2.4	16
8	Crystal structure of the enzyme CapF of <i>Staphylococcus aureus</i> reveals a unique architecture composed of two functional domains. <i>Biochemical Journal</i> , 2012, 443, 671-680.	3.7	12
9	Epiregulin Recognition Mechanisms by Anti-epiregulin Antibody 9E5. <i>Journal of Biological Chemistry</i> , 2016, 291, 2319-2330.	3.4	11
10	Structural and thermodynamic characterization of the self-adhesive properties of human P-cadherin. <i>Molecular BioSystems</i> , 2012, 8, 2050.	2.9	9
11	AlphaScreen-based homogeneous assay using a pair of 25-residue artificial proteins for high-throughput analysis of non-native IgG. <i>Scientific Reports</i> , 2017, 7, 12466.	3.3	8
12	Stabilization of backbone-circularized protein is attained by synergistic gains in enthalpy of folded structure and entropy of unfolded structure. <i>FEBS Journal</i> , 2020, 287, 1554-1575.	4.7	5
13	Expression, purification, crystallization and preliminary diffraction analysis of CapF, a capsular polysaccharide-synthesis enzyme from <i>Staphylococcus aureus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 512-515.	0.7	4
14	Structural insights into the backbone-circularized granulocyte colony-stimulating factor containing a short connector. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 224-228.	2.1	4
15	Local disorder of the C-terminal segment of the heavy chain as a common sign of stressed antibodies evidenced with a peptide affinity probe specific to non-native IgG. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 1697-1703.	7.5	4
16	Effect of backbone circularization on colloidal stability: Compaction of unfolded structures improves aggregation resistance of granulocyte colony-stimulating factor. <i>International Journal of Pharmaceutics</i> , 2021, 605, 120774.	5.2	3
17	Generation of ubiquitin-based binder with an inserted active peptide. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 3162-3166.	2.1	1