

# Kazufumi Takano

## List of Publications by Year in descending order

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240  
papers

5,977  
citations

87888

38  
h-index

114465

63  
g-index

241  
all docs

241  
docs citations

241  
times ranked

5417  
citing authors

#	ARTICLE	IF	CITATIONS
1	Insertion loop-mediated folding propagation governs efficient maturation of hyperthermophilic Trk-subtilisin at high temperatures. <i>FEBS Letters</i> , 2021, 595, 452-461.	2.8	2
2	Exploring mutable conserved sites and fatal non-conserved sites by random mutation of esterase from <i>Sulfolobus tokodaii</i> and subtilisin from <i>Thermococcus kodakarensis</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 170, 343-353.	7.5	0
3	Effects of entrapped gas on the surface of a plastic ball induced by ultrasonic irradiation on the enhancement of crystallization of acetaminophen form II. <i>Journal of Crystal Growth</i> , 2021, 557, 125994.	1.5	3
4	Growth of Acetaminophen Polymorphic Crystals and Solution-Mediated Phase Transition from Trihydrate to Form II in Agarose Gel. <i>Crystals</i> , 2021, 11, 1069.	2.2	1
5	Revisiting the Rate-Limiting Step of the ANS-Protein Binding at the Protein Surface and Inside the Hydrophobic Cavity. <i>Molecules</i> , 2021, 26, 420.	3.8	22
6	Spectroscopic Signature of the Steric Strains in an <i>Escherichia coli</i> RNase HI Cavity-Filling Destabilized Mutant Protein. <i>Journal of Physical Chemistry B</i> , 2020, 124, 91-100.	2.6	8
7	Intergrowth of two aspirin polymorphism observed with Raman spectroscopy. <i>Journal of Crystal Growth</i> , 2020, 532, 125430.	1.5	8
8	Crystal structure of a GH1 $\beta$ -glucosidase from <i>Hamamotococcus singularis</i> . <i>Protein Science</i> , 2020, 29, 2000-2008.	7.6	7
9	Microflow system promotes acetaminophen crystal nucleation. <i>Engineering in Life Sciences</i> , 2020, 20, 395-401.	3.6	3
10	Highly active enzymes produced by directed evolution with stability-based selection. <i>Enzyme and Microbial Technology</i> , 2020, 140, 109626.	3.2	5
11	Stress Responses of Shade-Treated Tea Leaves to High Light Exposure after Removal of Shading. <i>Plants</i> , 2020, 9, 302.	3.5	26
12	Affinity shift of ATP upon glycerol binding to a glycerol kinase from the hyperthermophilic archaeon <i>Thermococcus kodakarensis</i> KOD1. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 657-663.	2.2	1
13	Spectroscopic Evidence of the Salt-Induced Conformational Change around the Localized Electric Charges on the Protein Surface of Fibronectin Type III. <i>Langmuir</i> , 2020, 36, 14243-14254.	3.5	3
14	Activity-stability trade-off in random mutant proteins. <i>Journal of Bioscience and Bioengineering</i> , 2019, 128, 405-409.	2.2	18
15	Spectroscopic Analysis of Protein-Crowded Environments Using the Charge-Transfer Fluorescence Probe 8-Anilino-1-Naphthalenesulfonic Acid. <i>ChemPhysChem</i> , 2019, 20, 1456-1466.	2.1	10
16	Large-scale crystallization of acetaminophen trihydrate by a novel stirring technique. <i>Applied Physics Express</i> , 2019, 12, 045503.	2.4	6
17	Crystallization of aspirin form II by femtosecond laser irradiation. <i>Applied Physics Express</i> , 2019, 12, 015507.	2.4	15
18	Anaerobic glycerol-3-phosphate dehydrogenase complex from hyperthermophilic archaeon <i>Thermococcus kodakarensis</i> KOD1. <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 679-685.	2.2	9

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19	Development of Polymorphic Control Technology for Pharmaceutical Compounds. , 2019, , 269-291.		2
20	Role of Conformational Stability in Molecular Evolution of Proteins. Seibutsu Butsuri, 2019, 59, 314-316.	0.1	0
21	Protein Evolution is Potentially Governed by Protein Stability: Directed Evolution of an Esterase from the Hyperthermophilic Archaeon Sulfolobus tokodaii. Journal of Molecular Evolution, 2018, 86, 283-292.	1.8	14
22	Improvement of metastable crystal of acetaminophen via control of crystal growth rate. Applied Physics Express, 2018, 11, 035501.	2.4	9
23	Expression and characterization of functional domains of FK506-binding protein 35 from Plasmodium knowlesi. Protein Engineering, Design and Selection, 2018, 31, 489-498.	2.1	5
24	Atomic-Scale Imaging of Surface and Hydration Structures of Stable and Metastable Acetaminophen Crystals by Frequency Modulation Atomic Force Microscopy. Journal of Physical Chemistry C, 2018, 122, 21983-21990.	3.1	4
25	Growth of high-quality metastable crystal of acetaminophen using solution-mediated phase transformation at low supersaturation. Journal of Crystal Growth, 2018, 502, 76-82.	1.5	12
26	The direction of protein evolution is destined by the stability. Biochimie, 2018, 150, 100-109.	2.6	16
27	Alkyne Tagged Raman Probes for Protein by Chemical Modification Approach. ChemistrySelect, 2017, 2, 1267-1270.	1.5	2
28	Structural Basis for the Serratia marcescens Lipase Secretion System: Crystal Structures of the Membrane Fusion Protein and Nucleotide-Binding Domain. Biochemistry, 2017, 56, 6281-6291.	2.5	9
29	Hyperthermophilic Subtilisin-Like Proteases From Thermococcus kodakarensis. , 2017, , 81-117.		2
30	Crystallization of acetaminophen form II by plastic-ball-assisted ultrasonic irradiation. Applied Physics Express, 2017, 10, 025501.	2.4	11
31	Metastable crystal growth of acetaminophen using solution-mediated phase transformation. Applied Physics Express, 2017, 10, 015501.	2.4	14
32	Protein crystallization with paper. Japanese Journal of Applied Physics, 2016, 55, 050302.	1.5	3
33	Behavior of Bovine Serum Albumin Molecules in Molecular Crowding Environments Investigated by Raman Spectroscopy. Langmuir, 2016, 32, 7372-7382.	3.5	38
34	Promotion of protein crystal growth by actively switching crystal growth mode via femtosecond laser ablation. Nature Photonics, 2016, 10, 723-726.	31.4	40
35	Molecular mechanism underlying promiscuous polyamine recognition by spermidine acetyltransferase. International Journal of Biochemistry and Cell Biology, 2016, 76, 87-97.	2.8	9
36	A crystallization technique for obtaining large protein crystals with increased mechanical stability using agarose gel combined with a stirring technique. Journal of Crystal Growth, 2016, 452, 172-178.	1.5	9

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37	Growth of high-strength protein crystals with nanofibers. <i>Applied Physics Express</i> , 2016, 9, 035503.	2.4	2
38	Folding and Unfolding Kinetics of Unpurified Proteins by Pulse Proteolysis. <i>Protein and Peptide Letters</i> , 2016, 23, 976-987.	0.9	0
39	Slow Unfolding Pathway of the Hyperthermophilic Tk-RNase H2 Examined by Pulse Proteolysis Using Mutant Proteins. <i>Biochemistry and Analytical Biochemistry: Current Research</i> , 2015, 04, .	0.4	1
40	Spiral Growth Can Enhance Both the Normal Growth Rate and Quality of Tetragonal Lysozyme Crystals Grown under a Forced Solution Flow. <i>Crystal Growth and Design</i> , 2015, 15, 2137-2143.	3.0	12
41	Selective crystallization of metastable phase of acetaminophen by ultrasonic irradiation. <i>Applied Physics Express</i> , 2015, 8, 065501.	2.4	31
42	Development of protein seed crystals reinforced with high-strength hydrogels. <i>CrystEngComm</i> , 2015, 17, 8064-8071.	2.6	10
43	Selective crystallization of the metastable phase of indomethacin at the interface of liquid/air bubble induced by femtosecond laser irradiation. <i>Applied Physics Express</i> , 2015, 8, 045501.	2.4	26
44	Preliminary X-ray analysis of the binding domain of the soybean vacuolar sorting receptor complexed with a sorting determinant of a seed storage protein. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 132-135.	0.8	3
45	Strategy for cold adaptation of the tryptophan synthase $\hat{\alpha}$ subunit from the psychrophile <i>Shewanella frigidimarina</i> K14-2: crystal structure and physicochemical properties. <i>Journal of Biochemistry</i> , 2014, 155, 73-82.	1.7	9
46	A new practical technique for high quality protein crystallization with the solution stirring technique at the interface between high-concentrated hydrogel and solution. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 065502.	1.5	3
47	Crystallization and preliminary crystallographic studies of PotA, a membrane-associated ATPase of the spermidine-preferential uptake system in <i>Thermotoga maritima</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 738-741.	0.8	3
48	Proteolysis of abnormal prion protein with a thermostable protease from <i>Thermococcus kodakarensis</i> KOD1. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 2113-2120.	3.6	14
49	Contribution of hydrogen bonds to protein stability. <i>Protein Science</i> , 2014, 23, 652-661.	7.6	323
50	Laser ablation for protein crystal nucleation and seeding. <i>Chemical Society Reviews</i> , 2014, 43, 2147-2158.	38.1	54
51	Enzymatic activity of a subtilisin homolog, Tk-SP, from <i>Thermococcus kodakarensis</i> in detergents and its ability to degrade the abnormal prion protein. <i>BMC Biotechnology</i> , 2013, 13, 19.	3.3	15
52	Effect of Gel-Solution Interface on Femtosecond Laser-Induced Nucleation of Protein. <i>Crystal Growth and Design</i> , 2013, 13, 1491-1496.	3.0	13
53	Evolvability of Thermophilic Proteins from Archaea and Bacteria. <i>Biochemistry</i> , 2013, 52, 4774-4780.	2.5	25
54	A Novel Approach for Protein Crystallization by a Synthetic Hydrogel with Thermoreversible Gelation Polymer. <i>Crystal Growth and Design</i> , 2013, 13, 1899-1904.	3.0	16

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55	Investigating the Structural Dependence of Protein Stabilization by Amino Acid Substitution. <i>Biochemistry</i> , 2013, 52, 2839-2847.	2.5	10
56	Expression, purification, crystallization and preliminary crystallographic analysis of spermidine acetyltransferase from <i>Escherichia coli</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 884-887.	0.7	2
57	Heparanase Localization during Palatogenesis in Mice. <i>BioMed Research International</i> , 2013, 2013, 1-9.	1.9	5
58	Flavobacterium compostarboris sp. nov., isolated from leaf-and-branch compost, and emended descriptions of Flavobacterium hercynium, Flavobacterium resistens and Flavobacterium johnsoniae. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 2018-2024.	1.7	34
59	Isolation of a Novel Cutinase Homolog with Polyethylene Terephthalate-Degrading Activity from Leaf-Branch Compost by Using a Metagenomic Approach. <i>Applied and Environmental Microbiology</i> , 2012, 78, 1556-1562.	3.1	391
60	Slow Unfolding Pathway of Hyperthermophilic Tk-RNase H2 Examined by Pulse Proteolysis Using the Stable Protease Tk-Subtilisin. <i>Biochemistry</i> , 2012, 51, 9178-9191.	2.5	7
61	Spatially Precise, Soft Microseeding of Single Protein Crystals by Femtosecond Laser Ablation. <i>Crystal Growth and Design</i> , 2012, 12, 4334-4339.	3.0	16
62	Requirement of Ca <sup>2+</sup> ions for the Hyperthermostability of Tk-Subtilisin from <i>Thermococcus kodakarensis</i> . <i>Biochemistry</i> , 2012, 51, 5369-5378.	2.5	19
63	Effects of a Forced Solution Flow on the Step Advancement on {110} Faces of Tetragonal Lysozyme Crystals: Direct Visualization of Individual Steps under a Forced Solution Flow. <i>Crystal Growth and Design</i> , 2012, 12, 2856-2863.	3.0	23
64	Requirement of insertion sequence IS1 for thermal adaptation of Pro-Tk-subtilisin from hyperthermophilic archaeon. <i>Extremophiles</i> , 2012, 16, 841-851.	2.3	7
65	Growth of Protein Crystals in Hydrogels Prevents Osmotic Shock. <i>Journal of the American Chemical Society</i> , 2012, 134, 5786-5789.	13.7	53
66	Characteristic Features of Kynurenine Aminotransferase Allosterically Regulated by (Alpha)-Ketoglutarate in Cooperation with Kynurenine. <i>PLoS ONE</i> , 2012, 7, e40307.	2.5	11
67	A Stable Protein - CutA1., 2012, , .		1
68	Activity, stability, and structure of metagenome-derived LC11 RNase H1, a homolog of <i>Sulfolobus tokodaii</i> RNase H1. <i>Protein Science</i> , 2012, 21, 553-561.	7.6	10
69	Structure and stability of a thermostable carboxylesterase from the thermoacidophilic archaeon <i>Sulfolobus tokodaii</i> . <i>FEBS Journal</i> , 2012, 279, 3071-3084.	4.7	41
70	Growth of Protein Crystals in Hydrogels with High Strength. <i>Nihon Kessho Gakkaishi</i> , 2012, 54, 300-303.	0.0	0
71	Growth of Protein Crystals by Syringe-Type Top-Seeded Solution Growth. <i>Crystal Growth and Design</i> , 2011, 11, 1486-1492.	3.0	7
72	Stabilization by Fusion to the C-terminus of Hyperthermophile <i>Sulfolobus tokodaii</i> RNase H1: A Possibility of Protein Stabilization Tag. <i>PLoS ONE</i> , 2011, 6, e16226.	2.5	15

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73	An alternative mature form of subtilisin homologue, TksP, from <i>Thermococcus kodakaraensis</i> identified in the presence of Ca <sup>2+</sup> . FEBS Journal, 2011, 278, 1901-1911.	4.7	4
74	Identification of the substrate binding site in the N-terminal TBP-like domain of RNase H3. FEBS Letters, 2011, 585, 2313-2317.	2.8	10
75	Influence of energy and wavelength on femtosecond laser-induced nucleation of protein. Chemical Physics Letters, 2011, 510, 139-142.	2.6	16
76	Laser-induced nucleation in protein crystallization: Local increase in protein concentration induced by femtosecond laser irradiation. Journal of Crystal Growth, 2011, 318, 741-744.	1.5	26
77	High-resolution structure of exo-arabinanase from <i>Penicillium chrysogenum</i> . Acta Crystallographica Section D: Biological Crystallography, 2011, 67, 415-422.	2.5	14
78	Crystal structure of stable protein CutA1 from psychrotrophic bacterium <i>Shewanella</i> sp. SIB1. Journal of Synchrotron Radiation, 2011, 18, 6-10.	2.4	6
79	Approach for growth of high-quality and large protein crystals. Journal of Synchrotron Radiation, 2011, 18, 16-19.	2.4	15
80	Crystallization and preliminary X-ray crystallographic analysis of a helicase-like domain from a tomato mosaic virus replication protein. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 1649-1652.	0.7	3
81	Crystal structure of N-domain of FKBP22 from <i>Shewanella</i> sp. SIB1: Dimer dissociation by disruption of Val <sup>10</sup> -Leu knot. Protein Science, 2011, 20, 1755-1764.	7.6	13
82	Inhibition of chymotrypsin- and subtilisin-like serine proteases with Tks-serpin from hyperthermophilic archaeon <i>Thermococcus kodakaraensis</i> . Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 299-307.	2.3	17
83	Effect of Evaporation on Protein Crystals Grown in Semi-Solid Agarose Hydrogel. Japanese Journal of Applied Physics, 2011, 50, 025502.	1.5	4
84	<i>Flavobacterium banpakuense</i> sp. nov., isolated from leaf-and-branch compost. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 1595-1600.	1.7	18
85	FK506-Binding Protein 22 from a Psychrophilic Bacterium, a Cold Shock-Inducible Peptidyl Prolyl Isomerase with the Ability to Assist in Protein Folding. International Journal of Molecular Sciences, 2011, 12, 5261-5284.	4.1	32
86	Effect of Evaporation on Protein Crystals Grown in Semi-Solid Agarose Hydrogel. Japanese Journal of Applied Physics, 2011, 50, 025502.	1.5	6
87	Delineation of the Conformational Thermostability of Hyperthermophilic Proteins Based on Structural and Biophysical Analyses. , 2011, , 1-20.		0
88	Estimated effects of silicone glue on protein crystal growth. Journal of Crystal Growth, 2010, 312, 2771-2774.	1.5	7
89	Evolution and thermodynamics of the slow unfolding of hyperstable monomeric proteins. BMC Evolutionary Biology, 2010, 10, 207.	3.2	26
90	Growth of large protein crystals by a large-scale hanging-drop method. Journal of Applied Crystallography, 2010, 43, 937-939.	4.5	4

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91	Urea denatured state ensembles contain extensive secondary structure that is increased in hydrophobic proteins. <i>Protein Science</i> , 2010, 19, 929-943.	7.6	41
92	The N-terminal hybrid binding domain of RNase HI from <i>Thermotoga maritima</i> is important for substrate binding and Mg <sup>2+</sup> -dependent activity. <i>FEBS Journal</i> , 2010, 277, 4474-4489.	4.7	10
93	Cloning of the RNase H genes from a metagenomic DNA library: identification of a new type 1 RNase H without a typical active-site motif. <i>Journal of Applied Microbiology</i> , 2010, 109, 974-983.	3.1	10
94	2P007 Crystal structure of the Escherichia coli spermidine acetyl-transferase in complex with spermidine and coenzyme A(The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuru</i> , 2010, 50, S83.	0.1	0
95	2P066 1E1450 Conformational stability of large proteins(The 48th Annual Meeting of the Biophysical) Tj ETQq1 1 0,784314 ggBT /Over	0.1	0
96	Molecular resolution investigation of tetragonal lysozyme (110) face in liquid by frequency-modulation atomic force microscopy. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, C4C11-C4C14.	1.2	18
97	Enhancement of femtosecond laser-induced nucleation of protein in a gel solution. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	45
98	Protein Core Adaptability: Crystal Structures of the Cavity-Filling Variants of Escherichia coli RNase HI. <i>Protein and Peptide Letters</i> , 2010, 17, 1163-1169.	0.9	8
99	Crystal Growth Procedure of HIV-1 Protease-Inhibitor KNI-272 Complex for Neutron Structural Analysis at 1.9 Å... Resolution. <i>Crystal Growth and Design</i> , 2010, 10, 2990-2994.	3.0	11
100	X-ray Crystallographic and MD Simulation Studies on the Mechanism of Interfacial Activation of a Family I.3 Lipase with Two Lids. <i>Journal of Molecular Biology</i> , 2010, 400, 82-95.	4.2	28
101	Crystal Structure of a Subtilisin Homologue, Tk-SP, from <i>Thermococcus kodakaraensis</i> : Requirement of a C-terminal I <sup>2</sup> -Jelly Roll Domain for Hyperstability. <i>Journal of Molecular Biology</i> , 2010, 400, 865-877.	4.2	35
102	Conformational plasticity of RNA for target recognition as revealed by the 2.15 Å... crystal structure of a human IgG aptamer complex. <i>Nucleic Acids Research</i> , 2010, 38, 7822-7829.	14.5	98
103	The Trial of Drug Discovery using the In-Silico Screening Methods Developed by Pharmaceutical Innovation Value Chain. <i>Nihon Kessho Gakkaishi</i> , 2010, 52, 89-94.	0.0	0
104	Structure of HIV-1 protease in complex with potent inhibitor KNI-272 determined by high-resolution X-ray and neutron crystallography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4641-4646.	7.1	131
105	Protein Crystallization in Agarose Gel with High Strength: Developing an Automated System for Protein Crystallographic Processes. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 075502.	1.5	22
106	A Manipulating Tool for Protein Microcrystals in Solution Using Adhesive Materials. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 118001.	1.5	6
107	Femtosecond Laser Processing of Agarose Gel Surrounding Protein Crystals for Development of an Automated Crystal Capturing System. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 105502.	1.5	12
108	Slow Unfolding of Monomeric Proteins from Hyperthermophiles with Reversible Unfolding. <i>International Journal of Molecular Sciences</i> , 2009, 10, 1369-1385.	4.1	16

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109	Destabilization of psychrotrophic RNase HI in a localized fashion as revealed by mutational and X-ray crystallographic analyses. FEBS Journal, 2009, 276, 603-613.	4.7	6
110	Engineering of monomeric FK506-binding protein 22 with peptidyl prolyl <i>cis</i> - <i>trans</i> isomerase. FEBS Journal, 2009, 276, 4091-4101.	4.7	25
111	Femtosecond laser-induced nucleation of protein in agarose gel. Journal of Crystal Growth, 2009, 311, 956-959.	1.5	51
112	Femtosecond laser processing of protein crystals grown in agarose gel. Journal of Crystal Growth, 2009, 312, 73-78.	1.5	24
113	Growth of Large Protein Crystals by Top-Seeded Solution Growth Together with the Floating and Solution-Stirring Technique. Crystal Growth and Design, 2009, 9, 5227-5232.	3.0	15
114	Requirement of a Unique Ca <sup>2+</sup> -Binding Loop for Folding of Tk-Subtilisin from a Hyperthermophilic Archaeon. Biochemistry, 2009, 48, 10637-10643.	2.5	30
115	Identification of the Interactions Critical for Propeptide-Catalyzed Folding of Tk-Subtilisin. Journal of Molecular Biology, 2009, 394, 306-319.	4.2	24
116	Promotion of Crystal Nucleation of Protein by Semi-Solid Agarose Gel. Applied Physics Express, 2009, 2, 125501.	2.4	25
117	Laser energy dependence on femtosecond laser-induced nucleation of protein. Applied Physics A: Materials Science and Processing, 2008, 93, 911-915.	2.3	24
118	Crystallization and preliminary X-ray diffraction studies of an RNA aptamer in complex with the human IgG Fc fragment. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 942-944.	0.7	9
119	Crystallization and preliminary neutron diffraction studies of HIV-1 protease cocrystallized with inhibitor KNI-272. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 1003-1006.	0.7	17
120	Crystallization and preliminary X-ray crystallographic analysis of Ca <sup>2+</sup> -free primary Ca <sup>2+</sup> -sensor of Na <sup>+</sup> /Ca <sup>2+</sup> exchanger. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 1125-1127.	0.7	3
121	Osmolyte effect on the stability and folding of a hyperthermophilic protein. Proteins: Structure, Function and Bioinformatics, 2008, 71, 110-118.	2.6	51
122	Effect of solution flow produced by rotary shaker on protein crystallization. Journal of Crystal Growth, 2008, 310, 2168-2172.	1.5	12
123	Proline Effect on the Thermostability and Slow Unfolding of a Hyperthermophilic Protein. Journal of Biochemistry, 2008, 145, 79-85.	1.7	26
124	Crystal structure of highly thermostable glycerol kinase from a hyperthermophilic archaeon in a dimeric form. FEBS Journal, 2008, 275, 2632-2643.	4.7	14
125	Effect of the disease-causing mutations identified in human ribonuclease (RNase) H2 on the activities and stabilities of yeast RNase H2 and archaeal RNase HII. FEBS Journal, 2008, 275, 4836-4849.	4.7	32
126	Crystal structure of Tk-subtilisin folded without propeptide: Requirement of propeptide for acceleration of folding. FEBS Letters, 2008, 582, 3875-3878.	2.8	29



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127	Hydrophobic Effect on the Stability and Folding of a Hyperthermophilic Protein. <i>Journal of Molecular Biology</i> , 2008, 378, 264-272.	4.2	37
128	Remarkable Stabilization of a Psychrotrophic RNase HI by a Combination of Thermostabilizing Mutations Identified by the Suppressor Mutation Method. <i>Biochemistry</i> , 2008, 47, 8040-8047.	2.5	7
129	Evaluation and Improvement of a Technique to Manipulate Protein Crystals in Solution. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 8995-8997.	1.5	7
130	2P-119 X-ray structure of RNA aptamer in complex with human immunoglobulin G(The 46th Annual) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	0
131	Crystal Structure of Unautoprocessed Precursor of Subtilisin from a Hyperthermophilic Archaeon. <i>Journal of Biological Chemistry</i> , 2007, 282, 8246-8255.	3.4	62
132	Development of protein crystallization and processing: femtosecond laser, all solid-state 193 nm laser, and solution stirring techniques. , 2007, , .		5
133	Four New Crystal Structures of Tk-subtilisin in Unautoprocessed, Autoprocessed and Mature Forms: Insight into Structural Changes during Maturation. <i>Journal of Molecular Biology</i> , 2007, 372, 1055-1069.	4.2	54
134	Requirement of Left-Handed Glycine Residue for High Stability of the Tk-Subtilisin Propeptide as Revealed by Mutational and Crystallographic Analyses. <i>Journal of Molecular Biology</i> , 2007, 374, 1359-1373.	4.2	30
135	Crystal structure of a family I.3 lipase from <i>Pseudomonas</i> sp. MIS38 in a closed conformation. <i>FEBS Letters</i> , 2007, 581, 5060-5064.	2.8	71
136	Protein Thermostabilization Requires a Fine-tuned Placement of Surface-charged Residues. <i>Journal of Biochemistry</i> , 2007, 142, 507-516.	1.7	11
137	Gentisate 1,2-Dioxygenase from <i>Xanthobacter polyaromaticivorans</i> 127W. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 192-199.	1.3	22
138	Crystal Structure of Type 1 Ribonuclease H from Hyperthermophilic Archaeon <i>Sulfolobus tokodaii</i> : Role of Arginine 118 and C-Terminal Anchoring. <i>Biochemistry</i> , 2007, 46, 11494-11503.	2.5	23
139	Structural, Thermodynamic, and Mutational Analyses of a Psychrotrophic RNase HI. <i>Biochemistry</i> , 2007, 46, 7460-7468.	2.5	14
140	Drug Development Value Chain Constructed by Collaboration Between The SOSHO Project and The NPO BIOGRID. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	0
141	Crystallization and preliminary X-ray diffraction study of glycerol kinase from the hyperthermophilic archaeon <i>Thermococcus kodakaraensis</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 126-129.	0.7	2
142	Extracellular overproduction and preliminary crystallographic analysis of a family I.3 lipase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 187-189.	0.7	6
143	Conformational contagion in a protein: Structural properties of a chameleon sequence. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 68, 617-625.	2.6	21
144	Identification of the gene encoding a type I RNase H with an N-terminal double-stranded RNA binding domain from a psychrotrophic bacterium. <i>FEBS Journal</i> , 2007, 274, 3715-3727.	4.7	9

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145	Structural and thermodynamic analyses of <i>Escherichia coli</i> RNase H variant with quintuple thermostabilizing mutations. <i>FEBS Journal</i> , 2007, 274, 5815-5825.	4.7	12
146	Femtosecond laser-induced cleaving of protein crystal in water solution. <i>Applied Surface Science</i> , 2007, 253, 6447-6450.	6.1	8
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