Kazufumi Takano

List of Publications by Year
in descending order

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240	5,977	100601	129628
papers	citations	38 h-index	63 g-index

241	241	241	6030
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Insertion loopâ€mediated folding propagation governs efficient maturation of hyperthermophilic Tkâ€subtilisin at high temperatures. FEBS Letters, 2021, 595, 452-461.	1.3	2
2	Exploring mutable conserved sites and fatal non-conserved sites by random mutation of esterase from Sulfolobus tokodaii and subtilisin from Thermococcus kodakarensis. International Journal of Biological Macromolecules, 2021, 170, 343-353.	3.6	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. Journal of Crystal Growth, 2021, 557, 125994.	0.7	3
4	Growth of Acetaminophen Polymorphic Crystals and Solution-Mediated Phase Transition from Trihydrate to Form II in Agarose Gel. Crystals, 2021, 11, 1069.	1.0	1
5	Revisiting the Rate-Limiting Step of the ANSâ€“Protein Binding at the Protein Surface and Inside the Hydrophobic Cavity. Molecules, 2021, 26, 420.	1.7	22
6	Spectroscopic Signature of the Steric Strains in an Escherichia coli RNase HI Cavity-Filling Destabilized Mutant Protein. Journal of Physical Chemistry B, 2020, 124, 91-100.	1.2	8
7	Intergrowth of two aspirin polymorphism observed with Raman spectroscopy. Journal of Crystal Growth, 2020, 532, 125430.	0.7	8
8	Crystal structure of a <scp>GH1</scp> Î²â€glucosidase from Hamamotoa singularis. Protein Science, 2020, 29, 2000-2008.	3.1	7
9	Microflow system promotes acetaminophen crystal nucleation. Engineering in Life Sciences, 2020, 20, 395-401.	2.0	3
10	Highly active enzymes produced by directed evolution with stability-based selection. Enzyme and Microbial Technology, 2020, 140, 109626.	1.6	5
11	Stress Responses of Shade-Treated Tea Leaves to High Light Exposure after Removal of Shading. Plants, 2020, 9, 302.	1.6	26
12	Affinity shift of ATP upon glycerol binding to a glycerol kinase from the hyperthermophilic archaeon Thermococcus kodakarensis KOD1. Journal of Bioscience and Bioengineering, 2020, 129, 657-663.	1.1	1
13	Spectroscopic Evidence of the Salt-Induced Conformational Change around the Localized Electric Charges on the Protein Surface of Fibronectin Type III. Langmuir, 2020, 36, 14243-14254.	1.6	3
14	Activity-stability trade-off in random mutant proteins. Journal of Bioscience and Bioengineering, 2019, 128, 405-409.	1.1	18
15	Spectroscopic Analysis of Proteinâ€Crowded Environments Using the Chargeâ€Transfer Fluorescence Probe 8â€Anilinoâ€1â€Naphthalenesulfonic Acid. ChemPhysChem, 2019, 20, 1456-1466.	1.0	10
16	Large-scale crystallization of acetaminophen trihydrate by a novel stirring technique. Applied Physics Express, 2019, 12, 045503.	1.1	6
17	Crystallization of aspirin form II by femtosecond laser irradiation. Applied Physics Express, 2019, 12, 015507.	1.1	15
18	Anaerobic glycerol-3-phosphate dehydrogenase complex from hyperthermophilic archaeon Thermococcus kodakarensis KOD1. Journal of Bioscience and Bioengineering, 2019, 127, 679-685.	1.1	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.	0.0	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.	0.8	14
22	Improvement of metastable crystal of acetaminophen via control of crystal growth rate. Applied Physics Express, 2018, 11, 035501.	1.1	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.	1.0	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.	1.5	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.	0.7	12
26	The direction of protein evolution is destined by the stability. Biochimie, 2018, 150, 100-109.	1.3	16
27	Alkyne Tagged Raman Probes for Protein by Chemical Modification Approach. ChemistrySelect, 2017, 2, 1267-1270.	0.7	2
28	Structural Basis for theSerratia marcescensLipase Secretion System: Crystal Structures of the Membrane Fusion Protein and Nucleotide-Binding Domain. Biochemistry, 2017, 56, 6281-6291.	1.2	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.	1.1	11
31	Metastable crystal growth of acetaminophen using solution-mediated phase transformation. Applied Physics Express, 2017, 10, 015501.	1.1	14
32	Protein crystallization with paper. Japanese Journal of Applied Physics, 2016, 55, 050302.	0.8	3
33	Behavior of Bovine Serum Albumin Molecules in Molecular Crowding Environments Investigated by Raman Spectroscopy. Langmuir, 2016, 32, 7372-7382.	1.6	38
34	Promotion of protein crystal growth by actively switching crystal growth mode via femtosecond laser ablation. Nature Photonics, 2016, 10, 723-726.	15.6	40
35	Molecular mechanism underlying promiscuous polyamine recognition by spermidine acetyltransferase. International Journal of Biochemistry and Cell Biology, 2016, 76, 87-97.	1.2	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.	0.7	9

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37	Growth of high-strength protein crystals with nanofibers. Applied Physics Express, 2016, 9, 035503.	1.1	2
38	Folding and Unfolding Kinetics of Unpurified Proteins by Pulse Proteolysis. Protein and Peptide Letters, 2016, 23, 976-987.	0.4	0
39	Slow Unfolding Pathway of the Hyperthermophilic Tk-RNase H2 Examined by Pulse Proteolysis Using Mutant Proteins. Biochemistry and Analytical Biochemistry: Current Research, 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. Crystal Growth and Design, 2015, 15, 2137-2143.	1.4	12
41	Selective crystallization of metastable phase of acetaminophen by ultrasonic irradiation. Applied Physics Express, 2015, 8, 065501.	1.1	31
42	Development of protein seed crystals reinforced with high-strength hydrogels. CrystEngComm, 2015, 17, 8064-8071.	1.3	10
43	Selective crystallization of the metastable phase of indomethacin at the interface of liquid/air bubble induced by femtosecond laser irradiation. Applied Physics Express, 2015, 8, 045501.	1.1	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. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 132-135.	0.4	3
45	Strategy for cold adaptation of the tryptophan synthase Î± subunit from the psychrophile Shewanella frigidimarina K14-2: crystal structure and physicochemical properties. Journal of Biochemistry, 2014, 155, 73-82.	0.9	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. Japanese Journal of Applied Physics, 2014, 53, 065502.	0.8	3
47	Crystallization and preliminary crystallographic studies of PotA, a membrane-associated ATPase of the spermidine-preferential uptake system inThermotoga maritima. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 738-741.	0.4	3
48	Proteolysis of abnormal prion protein with a thermostable protease from Thermococcus kodakarensis KOD1. Applied Microbiology and Biotechnology, 2014, 98, 2113-2120.	1.7	14
49	Contribution of hydrogen bonds to protein stability. Protein Science, 2014, 23, 652-661.	3.1	323
50	Laser ablation for protein crystal nucleation and seeding. Chemical Society Reviews, 2014, 43, 2147-2158.	18.7	54
51	Enzymatic activity of a subtilisin homolog, Tk-SP, from Thermococcus kodakarensisin detergents and its ability to degrade the abnormal prion protein. BMC Biotechnology, 2013, 13, 19.	1.7	15
52	Effect of Gelâ€“Solution Interface on Femtosecond Laser-Induced Nucleation of Protein. Crystal Growth and Design, 2013, 13, 1491-1496.	1.4	13
53	Evolvability of Thermophilic Proteins from Archaea and Bacteria. Biochemistry, 2013, 52, 4774-4780.	1.2	25
54	A Novel Approach for Protein Crystallization by a Synthetic Hydrogel with Thermoreversible Gelation Polymer. Crystal Growth and Design, 2013, 13, 1899-1904.	1.4	16

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55	Investigating the Structural Dependence of Protein Stabilization by Amino Acid Substitution. Biochemistry, 2013, 52, 2839-2847.	1.2	10
56	Expression, purification, crystallization and preliminary crystallographic analysis of spermidine acetyltransferase fromEscherichia coli. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 884-887.	0.7	2
57	Heparanase Localization during Palatogenesis in Mice. BioMed Research International, 2013, 2013, 1-9.	0.9	5
58	Flavobacterium compostarboris sp. nov., isolated from leaf-and-branch compost, and emended descriptions of Flavobacterium hercynium , Flavobacterium resistens and Flavobacterium johnsoniae. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 2018-2024.	0.8	34
59	Isolation of a Novel Cutinase Homolog with Polyethylene Terephthalate-Degrading Activity from Leaf-Branch Compost by Using a Metagenomic Approach. Applied and Environmental Microbiology, 2012, 78, 1556-1562.	1.4	391
60	Slow Unfolding Pathway of Hyperthermophilic Tk-RNase H2 Examined by Pulse Proteolysis Using the Stable Protease Tk-Subtilisin. Biochemistry, 2012, 51, 9178-9191.	1.2	7
61	Spatially Precise, Soft Microseeding of Single Protein Crystals by Femtosecond Laser Ablation. Crystal Growth and Design, 2012, 12, 4334-4339.	1.4	16
62	Requirement of Ca2+Ions for the Hyperthermostability of Tk-Subtilisin fromThermococcus kodakarensis. Biochemistry, 2012, 51, 5369-5378.	1.2	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. Crystal Growth and Design, 2012, 12, 2856-2863.	1.4	23
64	Requirement of insertion sequence IS1 for thermal adaptation of Pro-Tk-subtilisin from hyperthermophilic archaeon. Extremophiles, 2012, 16, 841-851.	0.9	7
65	Growth of Protein Crystals in Hydrogels Prevents Osmotic Shock. Journal of the American Chemical Society, 2012, 134, 5786-5789.	6.6	53
66	Characteristic Features of Kynurenine Aminotransferase Allosterically Regulated by (Alpha)-Ketoglutarate in Cooperation with Kynurenine. PLoS ONE, 2012, 7, e40307.	1.1	11
67	A Stable Protein - CutA1. , 2012, , .		1
68	Activity, stability, and structure of metagenomeâ€derived LC11â€RNase H1, a homolog of Sulfolobus tokodaii RNase H1. Protein Science, 2012, 21, 553-561.	3.1	10
69	Structure and stability of a thermostable carboxylesterase from the thermoacidophilic archaeon Sulfolobusâ€ƒtokodaii. FEBS Journal, 2012, 279, 3071-3084.	2.2	41
70	Growth of Protein Crystals in Hydrogels with High Strength. Nihon Kessho Gakkaishi, 2012, 54, 300-303.	0.0	0
71	Growth of Protein Crystals by Syringe-Type Top-Seeded Solution Growth. Crystal Growth and Design, 2011, 11, 1486-1492.	1.4	7
72	Stabilization by Fusion to the C-terminus of Hyperthermophile Sulfolobus tokodaii RNase HI: A Possibility of Protein Stabilization Tag. PLoS ONE, 2011, 6, e16226.	1.1	15

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73	An alternative mature form of subtilisin homologue, Tkâ€SP, from Thermococcusâ€ƒkodakaraensis identified in the presence of Ca²⁺. FEBS Journal, 2011, 278, 1901-1911.	2.2	4
74	Identification of the substrate binding site in the N-terminal TBP-like domain of RNase H3. FEBS Letters, 2011, 585, 2313-2317.	1.3	10
75	Influence of energy and wavelength on femtosecond laser-induced nucleation of protein. Chemical Physics Letters, 2011, 510, 139-142.	1.2	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.	0.7	26
77	High-resolution structure of exo-arabinanase fromPenicillium chrysogenum. Acta Crystallographica Section D: Biological Crystallography, 2011, 67, 415-422.	2.5	14
78	Crystal structure of stable protein CutA1 from psychrotrophic bacteriumShewanellasp. SIB1. Journal of Synchrotron Radiation, 2011, 18, 6-10.	1.0	6
79	Approach for growth of high-quality and large protein crystals. Journal of Synchrotron Radiation, 2011, 18, 16-19.	1.0	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 Nâ€domain of FKBP22 from Shewanella sp. SIB1: Dimer dissociation by disruption of Valâ€Leu knot. Protein Science, 2011, 20, 1755-1764.	3.1	13
82	Inhibition of chymotrypsin- and subtilisin-like serine proteases with Tk-serpin from hyperthermophilic archaeon Thermococcus kodakaraensis. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 299-307.	1.1	17
83	Effect of Evaporation on Protein Crystals Grown in Semi-Solid Agarose Hydrogel. Japanese Journal of Applied Physics, 2011, 50, 025502.	0.8	4
84	Flavobacterium banpakuense sp. nov., isolated from leaf-and-branch compost. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 1595-1600.	0.8	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.	1.8	32
86	Effect of Evaporation on Protein Crystals Grown in Semi-Solid Agarose Hydrogel. Japanese Journal of Applied Physics, 2011, 50, 025502.	0.8	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.	0.7	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.	1.9	4

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91	Urea denatured state ensembles contain extensive secondary structure that is increased in hydrophobic proteins. Protein Science, 2010, 19, 929-943.	3.1	41
92	The Nâ€terminal hybrid binding domain of RNase HI from Thermotogaâ€ƒmaritima is important for substrate binding and Mg²⁺â€dependent activity. FEBS Journal, 2010, 277, 4474-4489.	2.2	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. Journal of Applied Microbiology, 2010, 109, 974-983.	1.4	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). Seibutsu Butsuri, 2010, 50, S83.	0.0	0
95	2P066 1E1450 Conformational stability of large proteins(The 48th Annual Meeting of the Biophysical) Tj ETQq1 1 0.784314 rgBT /Over	0.0	0
96	Molecular resolution investigation of tetragonal lysozyme (110) face in liquid by frequency-modulation atomic force microscopy. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C4C11-C4C14.	0.6	18
97	Enhancement of femtosecond laser-induced nucleation of protein in a gel solution. Applied Physics Letters, 2010, 96, .	1.5	45
98	Protein Core Adaptability: Crystal Structures of the Cavity-Filling Variants of Escherichia coli RNase HI. Protein and Peptide Letters, 2010, 17, 1163-1169.	0.4	8
99	Crystal Growth Procedure of HIV-1 Protease-Inhibitor KNI-272 Complex for Neutron Structural Analysis at 1.9 Ã... Resolution. Crystal Growth and Design, 2010, 10, 2990-2994.	1.4	11
100	X-ray Crystallographic and MD Simulation Studies on the Mechanism of Interfacial Activation of a Family I.3 Lipase with Two Lids. Journal of Molecular Biology, 2010, 400, 82-95.	2.0	28
101	Crystal Structure of a Subtilisin Homologue, Tk-SP, from Thermococcus kodakaraensis: Requirement of a C-terminal Î²-Jelly Roll Domain for Hyperstability. Journal of Molecular Biology, 2010, 400, 865-877.	2.0	35
102	Conformational plasticity of RNA for target recognition as revealed by the 2.15â€‰Ã... crystal structure of a human IgGâ€“aptamer complex. Nucleic Acids Research, 2010, 38, 7822-7829.	6.5	98
103	The Trial of Drug Discovery using the In-Silico Screening Methods Developed by Pharmaceutical Innovation Value Chain. Nihon Kessho Gakkaishi, 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. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4641-4646.	3.3	131
105	Protein Crystallization in Agarose Gel with High Strength: Developing an Automated System for Protein Crystallographic Processes. Japanese Journal of Applied Physics, 2009, 48, 075502.	0.8	22
106	A Manipulating Tool for Protein Microcrystals in Solution Using Adhesive Materials. Japanese Journal of Applied Physics, 2009, 48, 118001.	0.8	6
107	Femtosecond Laser Processing of Agarose Gel Surrounding Protein Crystals for Development of an Automated Crystal Capturing System. Japanese Journal of Applied Physics, 2009, 48, 105502.	0.8	12
108	Slow Unfolding of Monomeric Proteins from Hyperthermophiles with Reversible Unfolding. International Journal of Molecular Sciences, 2009, 10, 1369-1385.	1.8	16

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109	Destabilization of psychrotrophic RNase HI in a localized fashion as revealed by mutational and Xâ€ray crystallographic analyses. FEBS Journal, 2009, 276, 603-613.	2.2	6
110	Engineering of monomeric FK506â€binding protein 22 with peptidyl prolyl cisâ€trans isomerase. FEBS Journal, 2009, 276, 4091-4101.	2.2	25
111	Femtosecond laser-induced nucleation of protein in agarose gel. Journal of Crystal Growth, 2009, 311, 956-959.	0.7	51
112	Femtosecond laser processing of protein crystals grown in agarose gel. Journal of Crystal Growth, 2009, 312, 73-78.	0.7	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.	1.4	15
114	Requirement of a Unique Ca2+-Binding Loop for Folding of Tk-Subtilisin from a Hyperthermophilic Archaeon. Biochemistry, 2009, 48, 10637-10643.	1.2	30
115	Identification of the Interactions Critical for Propeptide-Catalyzed Folding of Tk-Subtilisin. Journal of Molecular Biology, 2009, 394, 306-319.	2.0	24
116	Promotion of Crystal Nucleation of Protein by Semi-Solid Agarose Gel. Applied Physics Express, 2009, 2, 125501.	1.1	25
117	Laser energy dependence on femtosecond laser-induced nucleation of protein. Applied Physics A: Materials Science and Processing, 2008, 93, 911-915.	1.1	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 Ca²⁺-free primary Ca²⁺-sensor of Na⁺/Ca²⁺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.	1.5	51
122	Effect of solution flow produced by rotary shaker on protein crystallization. Journal of Crystal Growth, 2008, 310, 2168-2172.	0.7	12
123	Proline Effect on the Thermostability and Slow Unfolding of a Hyperthermophilic Protein. Journal of Biochemistry, 2008, 145, 79-85.	0.9	26
124	Crystal structure of highly thermostable glycerol kinase from a hyperthermophilic archaeon in a dimeric form. FEBS Journal, 2008, 275, 2632-2643.	2.2	14
125	Effect of the diseaseâ€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.	2.2	32
126	Crystal structure of Tkâ€subtilisin folded without propeptide: Requirement of propeptide for acceleration of folding. FEBS Letters, 2008, 582, 3875-3878.	1.3	29

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127	Hydrophobic Effect on the Stability and Folding of a Hyperthermophilic Protein. Journal of Molecular Biology, 2008, 378, 264-272.	2.0	37
128	Remarkable Stabilization of a Psychrotrophic RNase HI by a Combination of Thermostabilizing Mutations Identified by the Suppressor Mutation Method. Biochemistry, 2008, 47, 8040-8047.	1.2	7
129	Evaluation and Improvement of a Technique to Manipulate Protein Crystals in Solution. Japanese Journal of Applied Physics, 2008, 47, 8995-8997.	0.8	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	0.0	0
131	Crystal Structure of Unautoprocessed Precursor of Subtilisin from a Hyperthermophilic Archaeon. Journal of Biological Chemistry, 2007, 282, 8246-8255.	1.6	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. Journal of Molecular Biology, 2007, 372, 1055-1069.	2.0	54
134	Requirement of Left-Handed Glycine Residue for High Stability of the Tk-Subtilisin Propeptide as Revealed by Mutational and Crystallographic Analyses. Journal of Molecular Biology, 2007, 374, 1359-1373.	2.0	30
135	Crystal structure of a family I.3 lipase from Pseudomonas sp. MIS38 in a closed conformation. FEBS Letters, 2007, 581, 5060-5064.	1.3	71
136	Protein Thermostabilization Requires a Fine-tuned Placement of Surface-charged Residues. Journal of Biochemistry, 2007, 142, 507-516.	0.9	11
137	Gentisate 1,2-Dioxygenase fromXanthobacter polyaromaticivorans127W. Bioscience, Biotechnology and Biochemistry, 2007, 71, 192-199.	0.6	22
138	Crystal Structure of Type 1 Ribonuclease H from Hyperthermophilic Archaeon Sulfolobus tokodaii:â€‰ Role of Arginine 118 and C-Terminal Anchoring,. Biochemistry, 2007, 46, 11494-11503.	1.2	23
139	Structural, Thermodynamic, and Mutational Analyses of a Psychrotrophic RNase HI,. Biochemistry, 2007, 46, 7460-7468.	1.2	14
140	Drug Development Value Chain Constructed by Collaboration Between The SOSHO Project and The NPO BIOGRID. AIP Conference Proceedings, 2007, , .	0.3	0
141	Crystallization and preliminary X-ray diffraction study of glycerol kinase from the hyperthermophilic archaeonThermococcus kodakaraensis. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 126-129.	0.7	2
142	Extracellular overproduction and preliminary crystallographic analysis of a family I.3 lipase. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 187-189.	0.7	6
143	Conformational contagion in a protein: Structural properties of a chameleon sequence. Proteins: Structure, Function and Bioinformatics, 2007, 68, 617-625.	1.5	21
144	Identification of the gene encoding a typeâ€ƒ1 RNaseâ€ƒH with an Nâ€terminal doubleâ€stranded RNA binding domain from a psychrotrophic bacterium. FEBS Journal, 2007, 274, 3715-3727.	2.2	9

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145	Structural and thermodynamic analyses of Escherichia coli RNaseâ€ƒHI variant with quintuple thermostabilizing mutations. FEBS Journal, 2007, 274, 5815-5825.	2.2	12
146	Femtosecond laser-induced cleaving of protein crystal in water solution. Applied Surface Science, 2007, 253, 6447-6450.	3.1	8
147	Amyloidogenecity and pitrilysin sensitivity of a lysine-free derivative of amyloid Î²-peptide cleaved from a recombinant fusion protein. Journal of Biotechnology, 2006, 122, 186-197.	1.9	3
148	Solution-stirring method improves crystal quality of human triosephosphate isomerase. Journal of Bioscience and Bioengineering, 2006, 101, 83-86.	1.1	11
149	Application of femtosecond laser ablation for detaching grown protein crystals from glass capillary tube. Journal of Bioscience and Bioengineering, 2006, 102, 372-374.	1.1	3
150	Biofilm formation by a Bacillus subtilis strain that produces Î³-polyglutamate. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	108
151	Crystal Structure and Structure-based Mutational Analyses of RNase HIII from Bacillus stearothermophilus: A New Type 2 RNase H with TBP-like Substrate-binding Domain at the N Terminus. Journal of Molecular Biology, 2006, 356, 165-178.	2.0	44
152	A Hyperthermophilic Protein Acquires Function at the Cost of Stabilityâ€. Biochemistry, 2006, 45, 12673-12679.	1.2	35
153	Crystallization and preliminary X-ray analysis of the tRNA thiolation enzyme MnmA fromEscherichia colicomplexed with tRNAGlu. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 368-371.	0.7	19
154	Purification, crystallization and preliminary X-ray diffraction of SecDF, a translocon-associated membrane protein, fromThermus thermophilus. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 376-380.	0.7	22
155	Crystallization and preliminary crystallographic analysis of orotidine 5â€²-monophosphate decarboxylase from the human malaria parasitePlasmodium falciparum. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 542-545.	0.7	9
156	Crystallization and preliminary crystallographic analysis of type 1 RNase H from the hyperthermophilic archaeonSulfolobus tokodaii7. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 781-784.	0.7	4
157	Crystallization and preliminary X-ray diffraction study of an active-site mutant of pro-Tk-subtilisin from a hyperthermophilic archaeon. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 902-905.	0.7	9
158	Structure of amyloid beta fragments in aqueous environments. FEBS Journal, 2006, 273, 150-158.	2.2	45
159	Identification of RNase HII from psychrotrophic bacterium, Shewanella sp. SIB1 as a high-activity type RNase H. FEBS Journal, 2006, 273, 2264-2275.	2.2	8
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