

Masafumi Yohda

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1584766/masafumi-yohda-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

252
papers

5,523
citations

40
h-index

63
g-index

269
ext. papers

5,976
ext. citations

4.5
avg, IF

5.05
L-index

#	Paper	IF	Citations
252	Novel non-heme iron center of nitrile hydratase with a claw setting of oxygen atoms. <i>Nature Structural Biology</i> , 1998 , 5, 347-51		315
251	Heat-inactivated proteins are rescued by the DnaK.J-GrpE set and ClpB chaperones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 7184-9	11.5	223
250	Chaperonin-mediated stabilization and ATP-triggered release of semiconductor nanoparticles. <i>Nature</i> , 2003 , 423, 628-32	50.4	211
249	Post-translational modification is essential for catalytic activity of nitrile hydratase. <i>Protein Science</i> , 2000 , 9, 1024-30	6.3	147
248	Sequence and over-expression of subunits of adenosine triphosphate synthase in thermophilic bacterium PS3. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1988 , 933, 141-55	4.6	136
247	Fe-type nitrile hydratase. <i>Journal of Inorganic Biochemistry</i> , 2001 , 83, 247-53	4.2	113
246	Activity Regulation of Photoreactive Nitrile Hydratase by Nitric Oxide. <i>Journal of the American Chemical Society</i> , 1997 , 119, 3785-3791	16.4	108
245	Cyclic RGD peptide-labeled upconversion nanophosphors for tumor cell-targeted imaging. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 381, 54-8	3.4	94
244	Functional expression of nitrile hydratase in Escherichia coli: requirement of a nitrile hydratase activator and post-translational modification of a ligand cysteine. <i>Journal of Biochemistry</i> , 1999 , 125, 696-704	3.1	87
243	Crystal structures of the group II chaperonin from Thermococcus strain KS-1: steric hindrance by the substituted amino acid, and inter-subunit rearrangement between two crystal forms. <i>Journal of Molecular Biology</i> , 2004 , 335, 1265-78	6.5	80
242	Crystal Structures of the Lumazine Protein from Photobacterium kishitanii 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, 1749-1749	3.5	78
241	Structure of the photoreactive iron center of the nitrile hydratase from Rhodococcus sp. N-771. Evidence of a novel post-translational modification in the cysteine ligand. <i>Journal of Biological Chemistry</i> , 1997 , 272, 29454-9	5.4	78
240	An enzyme controlled by light: the molecular mechanism of photoreactivity in nitrile hydratase. <i>Trends in Biotechnology</i> , 1999 , 17, 244-8	15.1	77
239	Structural and functional characterization of homo-oligomeric complexes of alpha and beta chaperonin subunits from the hyperthermophilic archaeum Thermococcus strain KS-1. <i>Journal of Molecular Biology</i> , 1997 , 273, 635-45	6.5	72
238	Effects of linear polyacrylamide concentrations and applied voltages on the separation of oligonucleotides and DNA sequencing fragments by capillary electrophoresis. <i>Analytical Chemistry</i> , 1994 , 66, 4243-52	7.8	70
237	Carbonyl sulfide hydrolase from Thiobacillus thioparus strain TH115 is one of the E-carbonic anhydrase family enzymes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 3818-25	16.4	69
236	Tertiary and quaternary structures of photoreactive Fe-type nitrile hydratase from Rhodococcus sp. N-771: roles of hydration water molecules in stabilizing the structures and the structural origin of the substrate specificity of the enzyme. <i>Biochemistry</i> , 1999 , 38, 9887-98	3.2	67

235	Site-directed mutagenesis of stable adenosine triphosphate synthase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1988 , 933, 156-64	4.6	67
234	Crystal structure of aspartate racemase from <i>Pyrococcus horikoshii</i> OT3 and its implications for molecular mechanism of PLP-independent racemization. <i>Journal of Molecular Biology</i> , 2002 , 319, 479-89	6.5	64
233	Structure of thiocyanate hydrolase: a new nitrile hydratase family protein with a novel five-coordinate cobalt(III) center. <i>Journal of Molecular Biology</i> , 2007 , 366, 1497-509	6.5	62
232	A novel factor required for the assembly of the DnaK and DnaJ chaperones of <i>Thermus thermophilus</i> . <i>Journal of Biological Chemistry</i> , 1996 , 271, 17343-8	5.4	58
231	High speed polymerase chain reaction in constant flow. <i>Bioscience, Biotechnology and Biochemistry</i> , 1994 , 58, 349-52	2.1	58
230	In vitro mutated beta subunits from the F1-ATPase of the thermophilic bacterium, PS3, containing glutamine in place of glutamic acid in positions 190 or 201 assembles with the alpha and gamma subunits to produce inactive complexes. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 246, 705-10	3.4	58
229	Catalytic mechanism of nitrile hydratase proposed by time-resolved X-ray crystallography using a novel substrate, tert-butylisonitrile. <i>Journal of Biological Chemistry</i> , 2008 , 283, 36617-23	5.4	55
228	Packaging guest proteins into the encapsulin nanocompartment from <i>Rhodococcus erythropolis</i> N771. <i>Biotechnology and Bioengineering</i> , 2015 , 112, 13-20	4.9	52
227	Formation of highly toxic soluble amyloid beta oligomers by the molecular chaperone prefoldin. <i>FEBS Journal</i> , 2008 , 275, 5982-93	5.7	51
226	Kinetics and binding sites for interaction of the prefoldin with a group II chaperonin: contiguous non-native substrate and chaperonin binding sites in the archaeal prefoldin. <i>Journal of Biological Chemistry</i> , 2004 , 279, 31788-95	5.4	51
225	<i>Pyrococcus</i> prefoldin stabilizes protein-folding intermediates and transfers them to chaperonins for correct folding. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 291, 769-74	3.4	50
224	Nonequivalence observed for the 16-meric structure of a small heat shock protein, SpHsp16.0, from <i>Schizosaccharomyces pombe</i> . <i>Structure</i> , 2013 , 21, 220-8	5.2	49
223	Structure and direct electrochemistry of cytochrome P450 from the thermoacidophilic crenarchaeon, <i>Sulfolobus tokodaii</i> strain 7. <i>Journal of Inorganic Biochemistry</i> , 2004 , 98, 1194-9	4.2	48
222	Development of a novel method for operating magnetic particles, Magtration Technology, and its use for automating nucleic acid purification. <i>Journal of Bioscience and Bioengineering</i> , 2001 , 91, 500-503	3.3	47
221	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, 184-92	4	46
220	Structure and molecular dynamics simulation of archaeal prefoldin: the molecular mechanism for binding and recognition of nonnative substrate proteins. <i>Journal of Molecular Biology</i> , 2008 , 376, 1130-41	6.5	46
219	Arginine 56 mutation in the beta subunit of nitrile hydratase: importance of hydrogen bonding to the non-heme iron center. <i>Journal of Inorganic Biochemistry</i> , 2000 , 80, 283-8	4.2	45
218	Molecular cloning and nucleotide sequencing of the aspartate racemase gene from lactic acid bacteria <i>Streptococcus thermophilus</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1991 , 1089, 234-40		45

217	Facilitated release of substrate protein from prefoldin by chaperonin. <i>FEBS Letters</i> , 2005 , 579, 3718-24	3.8	43
216	Thiocyanate hydrolase is a cobalt-containing metalloenzyme with a cysteine-sulfinic acid ligand. <i>Journal of the American Chemical Society</i> , 2006 , 128, 728-9	16.4	43
215	Archaeal group II chaperonin mediates protein folding in the cis-cavity without a detachable GroES-like co-chaperonin. <i>Journal of Molecular Biology</i> , 2002 , 315, 73-85	6.5	43
214	Cobalt-substituted Fe-type nitrile hydratase of <i>Rhodococcus</i> sp. N-771. <i>FEBS Letters</i> , 2000 , 465, 173-7	3.8	42
213	ATP binding is critical for the conformational change from an open to closed state in archaeal group II chaperonin. <i>Journal of Biological Chemistry</i> , 2003 , 278, 44959-65	5.4	41
212	Localization of prefoldin interaction sites in the hyperthermophilic group II chaperonin and correlations between binding rate and protein transfer rate. <i>Journal of Molecular Biology</i> , 2006 , 364, 110-20	6.5	40
211	Natural chaperonin of the hyperthermophilic archaeum, <i>Thermococcus</i> strain KS-1: a hetero-oligomeric chaperonin with variable subunit composition. <i>Molecular Microbiology</i> , 2001 , 39, 1406-13	4.1	38
210	Role of the helical protrusion in the conformational change and molecular chaperone activity of the archaeal group II chaperonin. <i>Journal of Biological Chemistry</i> , 2004 , 279, 18834-9	5.4	37
209	Structural basis for catalytic activation of thiocyanate hydrolase involving metal-ligated cysteine modification. <i>Journal of the American Chemical Society</i> , 2009 , 131, 14838-43	16.4	35
208	Occurrence of free D-amino acids and aspartate racemases in hyperthermophilic archaea. <i>Journal of Bacteriology</i> , 1999 , 181, 6560-3	3.5	33
207	Vapor detection and discrimination with a panel of odorant receptors. <i>Nature Communications</i> , 2018 , 9, 4556	17.4	33
206	Distribution and purification of aspartate racemase in lactic acid bacteria. <i>BBA - Proteins and Proteomics</i> , 1991 , 1078, 377-82		32
205	Photoreactive nitrile hydratase: the photoreaction site is located on the alpha subunit. <i>Journal of Biochemistry</i> , 1996 , 119, 407-13	3.1	31
204	Single-site catalysis of F1-ATPase from thermophilic bacterium PS3 and its dominance in steady-state catalysis at low ATP concentration. <i>Journal of Biochemistry</i> , 1987 , 102, 875-83	3.1	31
203	Dimer structure and conformational variability in the N-terminal region of an archaeal small heat shock protein, StHsp14.0. <i>Journal of Structural Biology</i> , 2011 , 174, 92-9	3.4	30
202	Gene for aspartate racemase from the sulfur-dependent hyperthermophilic archaeum, <i>Desulfurococcus</i> strain SY. <i>Journal of Biological Chemistry</i> , 1996 , 271, 22017-21	5.4	30
201	Role of the IXI/V motif in oligomer assembly and function of StHsp14.0, a small heat shock protein from the acidothermophilic archaeon, <i>Sulfolobus tokodaii</i> strain 7. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008 , 71, 771-82	4.2	29
200	Molecular characterization of the group II chaperonin from the hyperthermophilic archaeum <i>Pyrococcus horikoshii</i> OT3. <i>Extremophiles</i> , 2005 , 9, 127-34	3	29

199	Characterization of archaeal group II chaperonin-ADP-metal fluoride complexes: implications that group II chaperonins operate as a "two-stroke engine". <i>Journal of Biological Chemistry</i> , 2005 , 280, 40375-83	5.4	29
198	Occurrence of D-Amino Acids and a pyridoxal 5Pphosphate-dependent aspartate racemase in the acidothermophilic archaeon, <i>Thermoplasma acidophilum</i> . <i>Biochemical and Biophysical Research Communications</i> , 2001 , 281, 317-21	3.4	29
197	Glycine at the 65th position plays an essential role in ATP-dependent protein folding by Archaeal group II chaperonin. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 289, 1118-24	3.4	29
196	Location of the non-heme iron center on the alpha subunit of photoreactive nitrile hydratase from <i>Rhodococcus</i> sp. N-771. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 221, 146-50	3.4	29
195	Structural insight into gene duplication, gene fusion and domain swapping in the evolution of PLP-independent amino acid racemases. <i>FEBS Letters</i> , 2002 , 528, 114-8	3.8	28
194	The N-terminal replacement of an olfactory receptor for the development of a yeast-based biomimetic odor sensor. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 205-12	4.9	27
193	FtsH recognizes proteins with unfolded structure and hydrolyzes the carboxyl side of hydrophobic residues. <i>Journal of Biochemistry</i> , 2000 , 127, 931-7	3.1	27
192	Structural studies on the oligomeric transition of a small heat shock protein, StHsp14.0. <i>Journal of Molecular Biology</i> , 2012 , 422, 100-8	6.5	26
191	Crystal structure of an extensively simplified variant of bovine pancreatic trypsin inhibitor in which over one-third of the residues are alanines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 15334-9	11.5	26
190	Overexpression of prefoldin from the hyperthermophilic archaeum <i>Pyrococcus horikoshii</i> OT3 endowed <i>Escherichia coli</i> with organic solvent tolerance. <i>Applied Microbiology and Biotechnology</i> , 2008 , 79, 443-9	5.7	26
189	Cloning and functional characterization of <i>Arabidopsis thaliana</i> D-amino acid aminotransferase--D-aspartate behavior during germination. <i>FEBS Journal</i> , 2008 , 275, 1188-200	5.7	26
188	Mutational study on alphaGln90 of Fe-type nitrile hydratase from <i>Rhodococcus</i> sp. N771. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006 , 70, 881-9	2.1	26
187	A novel chiral thiol reagent for automated precolumn derivatization and high-performance liquid chromatographic enantioseparation of amino acids and its application to the aspartate racemase assay. <i>Analytical Biochemistry</i> , 2003 , 315, 262-9	3.1	26
186	ATP dependent rotational motion of group II chaperonin observed by X-ray single molecule tracking. <i>PLoS ONE</i> , 2013 , 8, e64176	3.7	25
185	Expression and biochemical characterization of two small heat shock proteins from the thermoacidophilic crenarchaeon <i>Sulfolobus tokodaii</i> strain 7. <i>Protein Science</i> , 2004 , 13, 134-44	6.3	25
184	Kinetic and structural studies on roles of the serine ligand and a strictly conserved tyrosine residue in nitrile hydratase. <i>Journal of Biological Inorganic Chemistry</i> , 2010 , 15, 655-65	3.7	24
183	Biophysical characterization of highly active recombinant <i>Gussia luciferase</i> expressed in <i>Escherichia coli</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010 , 1804, 1902-7	4	23
182	Sequential action of ATP-dependent subunit conformational change and interaction between helical protrusions in the closure of the built-in lid of group II chaperonins. <i>Journal of Biological Chemistry</i> , 2008 , 283, 34773-84	5.4	23

181	Development of an integrated automation system with a magnetic bead-mediated nucleic acid purification device for genetic analysis and gene manipulation. <i>Biotechnology and Bioengineering</i> , 2004 , 86, 667-71	4.9	23
180	Two kinds of archaeal group II chaperonin subunits with different thermostability in <i>Thermococcus</i> strain KS-1. <i>Molecular Microbiology</i> , 2002 , 44, 761-9	4.1	23
179	Solubilization and folding of a fully active recombinant <i>Gaussia</i> luciferase with native disulfide bonds by using a SEP-Tag. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011 , 1814, 1775-8	4	22
178	Crystal structure of 1-deoxy-d-xylulose 5-phosphate reductoisomerase from the hyperthermophile <i>Thermotoga maritima</i> for insights into the coordination of conformational changes and an inhibitor binding. <i>Journal of Structural Biology</i> , 2010 , 170, 532-9	3.4	22
177	Functional characterization of recombinant prefoldin complexes from a hyperthermophilic archaeon, <i>Thermococcus</i> sp. strain KS-1. <i>Journal of Molecular Biology</i> , 2008 , 377, 972-83	6.5	22
176	Structural and molecular characterization of the prefoldin beta subunit from <i>Thermococcus</i> strain KS-1. <i>Journal of Molecular Biology</i> , 2008 , 383, 465-74	6.5	22
175	Molecular cloning, expression, and characterization of chaperonin-60 and chaperonin-10 from a thermophilic bacterium, <i>Thermus thermophilus</i> HB8. <i>Journal of Biochemistry</i> , 1995 , 118, 347-54	3.1	22
174	Improving the odorant sensitivity of olfactory receptor-expressing yeast with accessory proteins. <i>Analytical Biochemistry</i> , 2015 , 471, 1-8	3.1	21
173	Modification of the response of olfactory receptors to acetophenone by CYP1a2. <i>Scientific Reports</i> , 2017 , 7, 10167	4.9	21
172	K ⁺ is an indispensable cofactor for GrpE stimulation of ATPase activity of DnaK x DnaJ complex from <i>Thermus thermophilus</i> . <i>FEBS Letters</i> , 1997 , 412, 633-6	3.8	21
171	Structure of aspartate racemase complexed with a dual substrate analogue, citric acid, and implications for the reaction mechanism. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008 , 70, 1167-74	4.2	21
170	Development of a novel method for operating magnetic particles, Magtration Technology, and its use for automating nucleic acid purification. <i>Journal of Bioscience and Bioengineering</i> , 2001 , 91, 500-3	3.3	21
169	Crystal structures of the lumazine protein from <i>Photobacterium kishitanii</i> in complexes with the authentic chromophore, 6,7-dimethyl- 8-(1PD-ribityl) lumazine, and its analogues, riboflavin and flavin mononucleotide, at high resolution. <i>Journal of Bacteriology</i> , 2010 , 192, 127-33	3.5	20
168	Single nucleotide polymorphism genotyping of CYP2C19 using a new automated system. <i>Analytical Biochemistry</i> , 2007 , 370, 121-3	3.1	20
167	Characterization of a thermostable enzyme with phosphomannomutase/phosphoglucomutase activities from the hyperthermophilic archaeon <i>Pyrococcus horikoshii</i> OT3. <i>Journal of Biochemistry</i> , 2005 , 138, 159-66	3.1	20
166	The synthesis of enzyme-bound ATP by the F1-ATPase from the thermophilic bacterium PS3 in the presence of organic solvents. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1986 , 850, 429-435	4.6	20
165	Olfactory receptor accessory proteins play crucial roles in receptor function and gene choice. <i>ELife</i> , 2017 , 6,	8.9	20
164	Purification by dye-ligand chromatography and a crystallization study of the F1-ATPase and its major subunits, beta and alpha, from a thermophilic bacterium, PS3. <i>Journal of Biochemistry</i> , 1991 , 109, 466-71	3.1	19

163	High resolution crystal structure of dengue-3 envelope protein domain III suggests possible molecular mechanisms for serospecific antibody recognition. <i>Proteins: Structure, Function and Bioinformatics</i> , 2013 , 81, 1090-5	4.2	18
162	F0F1-ATPase genes from an archaebacterium, <i>Methanosarcina barkeri</i> . <i>Biochemical and Biophysical Research Communications</i> , 1997 , 241, 427-33	3.4	18
161	Modulation of redox potential and alteration in reactivity via the peroxide shunt pathway by mutation of cytochrome P450 around the proximal heme ligand. <i>Biochemistry</i> , 2008 , 47, 4834-42	3.2	18
160	Role of the N-terminal region of the crenarchaeal sHsp, StHsp14.0, in thermal-induced disassembly of the complex and molecular chaperone activity. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 315, 113-8	3.4	18
159	Structural and functional characterization of homo-oligomeric complexes of Γ and Γ chaperonin subunits from the hyperthermophilic archaeum <i>Thermococcus</i> strain KS-1. <i>Journal of Molecular Biology</i> , 2000 , 299, 1399-1400	6.5	18
158	Thermodynamic and structural analysis of highly stabilized BPTIs by single and double mutations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009 , 77, 962-70	4.2	17
157	Contribution of the C-terminal region to the thermostability of the archaeal group II chaperonin from <i>Thermococcus</i> sp. strain KS-1. <i>Extremophiles</i> , 2006 , 10, 451-9	3	17
156	Properties and crystal structure of methylenetetrahydrofolate reductase from <i>Thermus thermophilus</i> HB8. <i>PLoS ONE</i> , 2011 , 6, e23716	3.7	17
155	Expression and characterization of the <i>Plasmodium</i> translocon of the exported proteins component EXP2. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 482, 700-705	3.4	16
154	Three-dimensional structures of OSW-1 and its congener. <i>Organic Letters</i> , 2010 , 12, 5732-5	6.2	16
153	Thermodynamic characterization of the interaction between prefoldin and group II chaperonin. <i>Journal of Molecular Biology</i> , 2010 , 399, 628-36	6.5	16
152	Interaction of a small heat shock protein of the fission yeast, <i>Schizosaccharomyces pombe</i> , with a denatured protein at elevated temperature. <i>Journal of Biological Chemistry</i> , 2005 , 280, 32586-93	5.4	16
151	Recent developments in laboratory automation using magnetic particles for genome analysis. <i>Pharmacogenomics</i> , 2002 , 3, 697-708	2.6	16
150	Analysis and Control of Protein Crystallization Using Short Peptide Tags That Change Solubility without Affecting Structure, Thermal Stability, and Function. <i>Crystal Growth and Design</i> , 2015 , 15, 2703-2711	3.5	15
149	Prefoldin, a jellyfish-like molecular chaperone: functional cooperation with a group II chaperonin and beyond. <i>Biophysical Reviews</i> , 2018 , 10, 339-345	3.7	15
148	Time-Resolved Crystallography of the Reaction Intermediate of Nitrile Hydratase: Revealing a Role for the Cysteinesulfenic Acid Ligand as a Catalytic Nucleophile. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10763-7	16.4	15
147	An improved bioluminescence-based signaling assay for odor sensing with a yeast expressing a chimeric olfactory receptor. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 3143-51	4.9	15
146	Roles of conserved basic amino acid residues and activation mechanism of the hyperthermophilic aspartate racemase at high temperature. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006 , 64, 502-12	4.2	15

145	Small heat shock protein of a hyperthermophilic archaeum, <i>Thermococcus</i> sp. strain KS-1, exists as a spherical 24 mer and its expression is highly induced under heat-stress conditions. <i>Journal of Bioscience and Bioengineering</i> , 2001 , 92, 161-166	3.3	15
144	Crystal structure of chaperonin-60 from <i>Paracoccus denitrificans</i> . <i>Journal of Molecular Biology</i> , 2001 , 312, 501-9	6.5	15
143	Successful PEGylation of hollow encapsulin nanoparticles from <i>Rhodococcus erythropolis</i> N771 without affecting their disassembly and reassembly properties. <i>Biomaterials Science</i> , 2017 , 5, 1082-1089	7.4	14
142	Computational prediction and experimental characterization of a "size switch type repacking" during the evolution of dengue envelope protein domain III (ED3). <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014 , 1844, 585-92	4	14
141	Genome sequence determination and metagenomic characterization of a <i>Dehalococcoides</i> mixed culture grown on cis-1,2-dichloroethene. <i>Journal of Bioscience and Bioengineering</i> , 2015 , 120, 69-77	3.3	13
140	Detection and identification of <i>Dehalococcoides</i> species responsible for in situ dechlorination of trichloroethene to ethene enhanced by hydrogen-releasing compounds. <i>Biotechnology and Applied Biochemistry</i> , 2008 , 51, 1-7	2.8	13
139	Topological relation of chick thalamofugal visual projections with hyper pallium revealed by three color tracers. <i>Neuroscience Research</i> , 2005 , 52, 235-42	2.9	13
138	Functional expression of thiocyanate hydrolase is promoted by its activator protein, P15K. <i>FEBS Letters</i> , 2006 , 580, 4667-72	3.8	13
137	A novel method for direct electrochemistry of a thermoacidophilic cytochrome P450. <i>Electrochemistry Communications</i> , 2006 , 8, 1245-1249	5.1	13
136	Gene of heat shock protein of sulfur-dependent archaeal hyperthermophile <i>Desulfurococcus</i> . <i>Biochemical and Biophysical Research Communications</i> , 1995 , 214, 730-6	3.4	13
135	Use of <i>Candida rugosa</i> lipase as a biocatalyst for L-lactide ring-opening polymerization and polylactic acid production. <i>Biocatalysis and Agricultural Biotechnology</i> , 2018 , 16, 683-691	4.2	13
134	Structure and function of archaeal prefoldin, a co-chaperone of group II chaperonin. <i>Frontiers in Bioscience - Landmark</i> , 2010 , 15, 708-17	2.8	12
133	High-resolution separation of oligonucleotides and DNA sequencing reaction products by capillary electrophoresis with linear polyacrylamide and laser-induced fluorescence detection. <i>Journal of Separation Science</i> , 1994 , 6, 539-543		12
132	Anticancer saponin OSW-1 is a novel class of selective Golgi stress inducer. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019 , 29, 1732-1736	2.9	11
131	Catalytic Mechanism of Nitrile Hydratase Subsequent to Cyclic Intermediate Formation: A QM/MM Study. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 3259-66	3.4	11
130	Identification of the rate-limiting step of the peroxygenase reactions catalyzed by the thermophilic cytochrome P450 from <i>Sulfolobus tokodaii</i> strain 7. <i>FEBS Journal</i> , 2014 , 281, 1409-16	5.7	11
129	Structure-based mutational study of an archaeal DNA ligase towards improvement of ligation activity. <i>ChemBioChem</i> , 2012 , 13, 2575-82	3.8	11
128	The electrochemical properties of thermophilic cytochrome P450 CYP119A2 at extremely high temperatures in poly(ethylene oxide). <i>Electrochemistry Communications</i> , 2007 , 9, 361-364	5.1	11

127	MagSNiPer: a new single nucleotide polymorphism typing method based on single base extension, magnetic separation, and chemiluminescence. <i>Analytical Biochemistry</i> , 2005 , 341, 77-82	3.1	11
126	Characterization of homo-oligomeric complexes of alpha and beta chaperonin subunits from the acidothermophilic archaeon, Sulfolobus sp. strain 7. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 242, 640-7	3.4	11
125	Structural instability and divergence from conserved residues underlie intracellular retention of mammalian odorant receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 2957-2967	11.5	10
124	Dissection of the ATP-dependent conformational change cycle of a group II chaperonin. <i>Journal of Molecular Biology</i> , 2014 , 426, 447-59	6.5	10
123	Crystal structures of halohydrin hydrogen-halide-lyases from Corynebacterium sp. N-1074. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015 , 83, 2230-9	4.2	10
122	Purification and molecular cloning of the group II chaperonin from the acidothermophilic archaeon, Sulfolobus sp. strain 7. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 236, 727-32	3.4	10
121	Solubilization of heme proteins in low polar solvents by chemical modification on a proteinB surface. <i>Polymers for Advanced Technologies</i> , 2008 , 19, 1430-1435	3.2	10
120	Inter-ring communication is dispensable in the reaction cycle of group II chaperonins. <i>Journal of Molecular Biology</i> , 2014 , 426, 2667-78	6.5	9
119	Biochemical characterization and cooperation with co-chaperones of heat shock protein 90 from Schizosaccharomyces pombe. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 116, 444-8	3.3	9
118	Isolation and genomic characterization of a Dehalococcoides strain suggests genomic rearrangement during culture. <i>Scientific Reports</i> , 2017 , 7, 2230	4.9	9
117	Specificity of MicroRNA Detection on a Power-free Microfluidic Chip with Laminar Flow-assisted Dendritic Amplification. <i>Analytical Sciences</i> , 2017 , 33, 171-177	1.7	9
116	Characterization of a sHsp of Schizosaccharomyces pombe, SpHsp15.8, and the implication of its functional mechanism by comparison with another sHsp, SpHsp16.0. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009 , 74, 6-17	4.2	9
115	The stabilizing residues and the functional domains in the hyperthermophilic V-ATPase of Desulfurococcus. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 234, 341-5	3.4	9
114	Novel catalytic activity of nitrile hydratase from Rhodococcus sp. N771. <i>Journal of Bioscience and Bioengineering</i> , 2008 , 106, 174-9	3.3	9
113	Contribution of the C-Terminal Region of a Group II Chaperonin to its Interaction with Prefoldin and Substrate Transfer. <i>Journal of Molecular Biology</i> , 2016 , 428, 2405-2417	6.5	9
112	Size-selective recognition of gold nanoparticles by a molecular chaperone. <i>Chemical Physics Letters</i> , 2010 , 501, 108-112	2.5	8
111	Rapid construction of a transcription map for a cosmid contig of Arabidopsis thaliana genome using a novel cDNA selection method. <i>Plant Journal</i> , 1997 , 12, 481-7	6.9	8
110	Protein refolding system using holo-chaperonin from the thermophilic bacterium Thermus thermophilus. <i>Journal of Bioscience and Bioengineering</i> , 1998 , 85, 564-570		8

109	Dynamics of group II chaperonin and prefoldin probed by ¹³ C NMR spectroscopy. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008 , 70, 1257-63	4.2	8
108	Development of an automation system for single nucleotide polymorphisms genotyping using bio-strand, a new three-dimensional microarray. <i>Journal of Bioscience and Bioengineering</i> , 2005 , 99, 120-4	2.3	8
107	Stability of Thermophilic Cytochrome P450 Modified with Poly(ethylene oxide) in Ionic Liquid. <i>Chemistry Letters</i> , 2006 , 35, 798-799	1.7	8
106	Inversion of the anatomical lateralization of chick thalamofugal visual pathway by light experience. <i>Neuroscience Letters</i> , 2002 , 318, 113-6	3.3	8
105	Single site catalysis of the F1-ATPase from <i>Saccharomyces cerevisiae</i> and the effect of inorganic phosphate on it. <i>Journal of Biochemistry</i> , 1987 , 102, 273-9	3.1	8
104	Asymmetry in the function and dynamics of the cytosolic group II chaperonin CCT/TRiC. <i>PLoS ONE</i> , 2017 , 12, e0176054	3.7	8
103	Concentration-Dependent Recruitment of Mammalian Odorant Receptors. <i>ENeuro</i> , 2020 , 7,	3.9	8
102	Improvement of enantioselectivity of the B-type halohydrin hydrogen-halide-lyase from <i>Corynebacterium</i> sp. N-1074. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 122, 270-5	3.3	8
101	Anti-inflammatory activity of species from Indonesia. <i>Saudi Journal of Biological Sciences</i> , 2019 , 26, 1531-4	5.38	8
100	Functional Expression and Characterization of Tetrachloroethene Dehalogenase From sp. <i>Frontiers in Microbiology</i> , 2018 , 9, 1774	5.7	8
99	Goniothalamins enhance the ATPase activity of the molecular chaperone Hsp90 but inhibit its chaperone activity. <i>Journal of Biochemistry</i> , 2015 , 157, 161-8	3.1	7
98	Spectroscopic characterization of the acid-alkaline transition of a thermophilic cytochrome P450. <i>FEBS Letters</i> , 2013 , 587, 94-7	3.8	7
97	Hyperthermophilic archaeal prefoldin shows refolding activity at low temperature. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 391, 467-70	3.4	7
96	Development of the Handy Bio-Strand and its application to genotyping of OPRM1 (A118G). <i>Analytical Biochemistry</i> , 2007 , 367, 79-86	3.1	7
95	Preparation of <i>Thermus thermophilus</i> holo-chaperonin-immobilized microspheres with high ability to facilitate protein refolding 2000 , 68, 184-190		7
94	Total phenolic content and antioxidant activity of spray-dried microcapsules propolis from <i>Tetragonula</i> species 2019 ,		6
93	Two arginine residues in the substrate pocket predominantly control the substrate selectivity of thiocyanate hydrolase. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 116, 22-7	3.3	6
92	Monooxygenation by a thermophilic cytochrome P450 via direct electron donation from NADH. <i>Metallomics</i> , 2011 , 3, 389-95	4.5	6

91	Automated single nucleotide polymorphism typing using bead array in capillary tube. <i>Journal of Bioscience and Bioengineering</i> , 2010 , 110, 505-8	3.3	6
90	Development of an automated SNP analysis method using a paramagnetic beads handling robot. <i>Biotechnology and Bioengineering</i> , 2007 , 98, 420-8	4.9	6
89	Spectroscopic and Electrochemical Characterization of Cytochrome P450st-DDAB Films on a Plastic-Formed Carbon Electrode. <i>Electroanalysis</i> , 2007 , 19, 561-565	3	6
88	Complex formation of CdSe/ZnS/TOPO nanocrystal vs. molecular chaperone in aqueous solution by hydrophobic interaction. <i>Journal of Luminescence</i> , 2007 , 127, 192-197	3.8	6
87	Multipurpose robot for automated cycle sequencing. <i>BioTechniques</i> , 2003 , 34, 634-7	2.5	6
86	Identification and classification of honey authenticity by attenuated total reflectance Fourier-transform infrared spectroscopy and chemometric method. <i>Veterinary World</i> , 2019 , 12, 1304-1310	1.7	6
85	Structural and functional characterization of aspartate racemase from the acidothermophilic archaeon <i>Picrophilus torridus</i> . <i>Extremophiles</i> , 2016 , 20, 385-93	3	6
84	Molecular chaperone prefoldin-assisted biosynthesis of gold nanoparticles with improved size distribution and dispersion. <i>Biomaterials Science</i> , 2019 , 7, 1801-1804	7.4	5
83	NADH oxidase and alkyl hydroperoxide reductase subunit C (peroxiredoxin) from <i>Amphibacillus xylanus</i> form an oligomeric assembly. <i>FEBS Open Bio</i> , 2015 , 5, 124-31	2.7	5
82	Liver-Oriented Acute Metabolic Effects of A Low Dose of L-Carnitine under Fat-Mobilizing Conditions: Pilot Human Clinical Trial. <i>Journal of Nutritional Science and Vitaminology</i> , 2020 , 66, 136-149	1.1	5
81	Characterization of group II chaperonins from an acidothermophilic archaeon <i>Picrophilus torridus</i> . <i>FEBS Open Bio</i> , 2016 , 6, 751-64	2.7	5
80	A Bioanode Using Thermostable Alcohol Dehydrogenase for an Ethanol Biofuel Cell Operating at High Temperatures. <i>Electroanalysis</i> , 2014 , 26, 682-686	3	5
79	Amyloid oligomer detection by immobilized molecular chaperone. <i>Biochemical Engineering Journal</i> , 2012 , 61, 28-33	4.2	5
78	Adaptation of a hyperthermophilic group II chaperonin to relatively moderate temperatures. <i>Protein Engineering, Design and Selection</i> , 2010 , 23, 393-402	1.9	5
77	Crystal structure of PH1733, an aspartate racemase homologue, from <i>Pyrococcus horikoshii</i> OT3. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009 , 74, 240-4	4.2	5
76	Energy transfer in hybrid CdSe quantum dots vs. labelled molecular chaperone systems by imaging microscopy. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009 , 6, 912-915		5
75	StHsp14.0, a small heat shock protein of <i>Sulfolobus tokodaii</i> strain 7, protects denatured proteins from aggregation in the partially dissociated conformation. <i>Journal of Biochemistry</i> , 2011 , 150, 403-9	3.1	5
74	Crystallization and preliminary X-ray analysis of aspartate racemase from <i>Pyrococcus horikoshii</i> OT3. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001 , 57, 1674-6		5

73	Affinity purification of fusion chaperonin Cpn60-(His)(6) from thermophilic bacterium Bacillus strain MS and its use in facilitating protein refolding and preventing heat denaturation. <i>Biotechnology Progress</i> , 2000 , 16, 442-6	2.8	5
72	Small heat shock protein of a hyperthermophilic archaeum, Thermococcus sp. strain KS-1, exists as a spherical 24 mer and its expression is highly induced under heat-stress conditions. <i>Journal of Bioscience and Bioengineering</i> , 2001 , 92, 161-6	3.3	5
71	Multiple Myeloma-Associated Ig Light Chain Crystalline Cast Nephropathy. <i>Kidney International Reports</i> , 2020 , 5, 1595-1602	4.1	5
70	Crystal structures of highly simplified BPTIs provide insights into hydration-driven increase of unfolding enthalpy. <i>Scientific Reports</i> , 2017 , 7, 41205	4.9	4
69	Formation of non-toxic A β fibrils by small heat shock protein under heat-stress conditions. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 430, 1259-64	3.4	4
68	Expression, purification, crystallization and preliminary crystallographic analysis of hepatitis B virus core protein dimerized via a peptide linker containing an EGFP insertion. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013 , 69, 942-5		4
67	Molecular cloning and nucleotide sequence of the gene coding photosensitive nitrile hydratase. <i>Annals of the New York Academy of Sciences</i> , 1994 , 721, 158-9	6.5	4
66	PV1 Protein from Exhibits Chaperone-Like Functions and Cooperates with Hsp100s. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
65	Expression, Functional Characterization, and Preliminary Crystallization of the Cochaperone Prefoldin from the Thermophilic Fungus. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	4
64	Indonesian honey protein isolation Apis dorsata dorsata and Tetragonula sp. as antibacterial and antioxidant agent 2018 ,		4
63	Single polypeptide detection using a translocon EXP2 nanopore. <i>Proteomics</i> , 2021 , e2100070	4.8	4
62	Split luciferase complementation assay for the analysis of G protein-coupled receptor ligand response in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , 2017 , 114, 1354-1361	4.9	3
61	Bridging human chaperonopathies and microbial chaperonins. <i>Communications Biology</i> , 2019 , 2, 103	6.7	3
60	The N-terminal region of RTP1S plays important roles in dimer formation and odorant receptor-trafficking. <i>Journal of Biological Chemistry</i> , 2019 , 294, 14661-14673	5.4	3
59	Single-molecule detection of chaperonin dynamics through polarization rotation modulation of CdSe QD luminescence imaging. <i>Journal of Luminescence</i> , 2014 , 152, 88-92	3.8	3
58	Construction and characterization of the hetero-oligomer of the group II chaperonin from the hyperthermophilic archaeon, Thermococcus sp. strain KS-1. <i>Extremophiles</i> , 2009 , 13, 437-45	3	3
57	Trastuzumab-induced CCL20 and interleukin-8 mRNA in human whole blood ex vivo. <i>Investigational New Drugs</i> , 2009 , 27, 579-82	4.3	3
56	Single molecule FRET detection in CdSe-QD donor and Cy5-labeled molecular chaperone acceptor complex by imaging microscopy. <i>Journal of Luminescence</i> , 2011 , 131, 519-522	3.8	3

55	Quantification and improvement of error rate during ligase detection reaction. <i>Journal of Bioscience and Bioengineering</i> , 2010 , 109, 202-4	3.3	3
54	A novel vector for positive selection of inserts harboring an open reading frame by translational coupling. <i>BioTechniques</i> , 2007 , 43, 751-2, 754	2.5	3
53	Construction of a positive selection marker by a lethal gene with the amber stop codon(s) regulator. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006 , 70, 119-25	2.1	3
52	Refolding of proteins by hexadecamers and monomers of the α and β subunits of group II chaperonin from the hyperthermophilic archaeum <i>Thermococcus</i> strain KS-1. <i>Biochemical Engineering Journal</i> , 2004 , 18, 73-79	4.2	3
51	Delignification of Oil Palm Empty Fruit Bunch using Peracetic Acid and Alkaline Peroxide Combined with the Ultrasound 2019 , 10, 1523		3
50	Assessment, Mitigation, and Control of Potential Gas Leakage in Existing Buildings Not Designed for Gas Installation in Indonesia. <i>Energies</i> , 2018 , 11, 2970	3.1	3
49	Functional and structural characterization of HspB1/Hsp27 from Chinese hamster ovary cells. <i>FEBS Open Bio</i> , 2019 , 9, 1826-1834	2.7	2
48	A zeolite as a tool for successful refolding of PEGylated proteins and their reassembly with tertiary structures. <i>Biotechnology Progress</i> , 2019 , 35, e2853	2.8	2
47	Molecular Chaperones in Thermophilic Eubacteria and Archaea 2013 , 375-394		2
46	Expression, purification, crystallization and preliminary X-ray crystallographic studies of hepatitis B virus core fusion protein corresponding to octahedral particles. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013 , 69, 165-9		2
45	Analysis of the interaction mode between hyperthermophilic archaeal group II chaperonin and prefoldin using a platform of chaperonin oligomers of various subunit arrangements. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010 , 1804, 1810-6	4	2
44	Comparative analysis of the protein folding activities of two chaperonin subunits of <i>Thermococcus</i> strain KS-1: the effects of beryllium fluoride. <i>Extremophiles</i> , 2007 , 11, 225-35	3	2
43	Pretreatment of polyamide monofilament with hydrochloric acid improves sensitivity of three-dimensional microarray, Bio-Strand. <i>Journal of Bioscience and Bioengineering</i> , 2006 , 102, 474-7	3.3	2
42	Crystallization and preliminary X-ray characterization of chaperonin-60 from <i>Paracoccus denitrificans</i> . <i>Journal of Crystal Growth</i> , 1996 , 168, 297-300	1.6	2
41	Intracellular distribution of a 32-KDa calcium-dependent phospholipid-binding protein from human placenta. <i>Cell Structure and Function</i> , 1989 , 14, 587-95	2.2	2
40	Immobilization of Cholesterol Oxidase in Chitosan Magnetite Material for Biosensor Application 2020 , 11, 754		2
39	Isolation and Molecular Weight Characterization of <i>Tetragonula laeviceps</i> Honey Protein. <i>Makara Journal of Technology</i> , 2018 , 22, 9	1	2
38	Effect of the disulfide isomerase PD1a4 on the antibody production of Chinese hamster ovary cells. <i>Journal of Bioscience and Bioengineering</i> , 2020 , 130, 637-643	3.3	2

37	Split conformation of Chaetomium thermophilum Hsp104 disaggregase. <i>Structure</i> , 2021 , 29, 721-730.e65.2		2
36	Safety Analysis Technique for System with Limited Data: Case Study of the Multipurpose Research Reactor in Indonesia. <i>Energies</i> , 2020 , 13, 1975	3.1	1
35	Immobilization of Cholesterol Oxidase from Streptomyces Sp. on Magnetite Silicon Dioxide by Crosslinking Method for Cholesterol Oxidation. <i>Applied Biochemistry and Biotechnology</i> , 2020 , 191, 968-980	3.2	1
34	Thermosome: A Group II Chaperonin of Archaea 2016 , 1-7		1
33	Time-Resolved Measurement of the ATP-Dependent Motion of the Group II Chaperonin by Diffracted Electron Tracking. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	1
32	Complete Genome Sequence of Petrimonas sp. Strain IBARAKI, Assembled from the Metagenome Data of a Culture Containing Dehalococcoides spp. <i>Genome Announcements</i> , 2018 , 6,		1
31	A dried tofu-supplemented diet affects mRNA expression of inflammatory cytokines in human blood. <i>Journal of Nutritional Science and Vitaminology</i> , 2010 , 56, 396-410	1.1	1
30	Structure and Function of Small Heat Shock Proteins from the Magnetotactic Bacterium Magnetospirillum magneticum AMB-1. <i>Kobunshi Ronbunshu</i> , 2010 , 67, 698-704	0	1
29	Quantitative discrimination of 16 S rRNA genes of Dehalococcoides species by MagSNiPer, a quantitative single-nucleotide-polymorphism genotyping method. <i>Biotechnology and Applied Biochemistry</i> , 2008 , 51, 111-7	2.8	1
28	Effect of Supporting Electrolytes on the Redox Potential for Thermophilic Cytochrome P450 in Poly (ethylene oxide)-For Utilization as a Catalyst for the Biocathode. <i>Kobunshi Ronbunshu</i> , 2006 , 63, 68-70	0	1
27	Crystallization and preliminary X-ray characterization of archaeal group II chaperonin alpha-subunit from Thermococcus strain KS-1. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002 , 58, 1830-2		1
26	Biotechnological applications of thermophilic ATP synthase: membrane electronics and genetics. <i>Journal of Membrane Science</i> , 1989 , 41, 237-247	9.6	1
25	Rapid multiplex single nucleotide polymorphism genotyping based on single base extension reactions and color-coded beads. <i>Journal of Bioscience and Bioengineering</i> , 2002 , 94, 368-70	3.3	1
24	Purification and characterization of proteins in multifloral honey from kelulut bee (stingless bee). <i>Heliyon</i> , 2019 , 5, e02835	3.6	1
23	Development of an odorant sensor with a cell-free synthesized olfactory receptor and a graphene field-effect transistor.. <i>Analytical Sciences</i> , 2022 , 38, 241-245	1.7	1
22	CDMOs Play a Critical Role in the Biopharmaceutical Ecosystem.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 841420	5.8	1
21	A method of expression for an oxygen-tolerant group III alcohol dehydrogenase from Pyrococcus horikoshii OT3. <i>Journal of Biological Inorganic Chemistry</i> , 2017 , 22, 527-534	3.7	0
20	Time-Resolved Crystallography of the Reaction Intermediate of Nitrile Hydratase: Revealing a Role for the Cysteinesulfenic Acid Ligand as a Catalytic Nucleophile. <i>Angewandte Chemie</i> , 2015 , 127, 10913-10917	3.6	1

- 19 2G1548 Chaperone activity and structural change in a small heat shock protein, StHsp14.0(Protein: Structure 2,The 48th Annual Meeting of the Biophysical Society of Japan). *Seibutsu Butsuri*, **2011**, 51, S86 ○
- 18 1P016 Biophysical characterization of highly active recombinant Gaussia luciferase expressed in Escherichia coli(Protein:Structure,The 48th Annual Meeting of the Biophysical Society of Japan). *Seibutsu Butsuri*, **2010**, 50, S21 ○
- 17 2P079 Small-angle X-ray scattering of group II chaperonin in cooperation with prefoldin(The 48th Annual Meeting of the Biophysical Society of Japan). *Seibutsu Butsuri*, **2010**, 50, S96 ○
- 16 The Intra Dynamics of Group II Chaperonin Detected by Diffracted X-Ray Tracking Method. *Biophysical Journal*, **2010**, 98, 187a-188a 2.9
- 15 Crystallization and heavy-atom derivatization of StHsp14.0, a small heat-shock protein from *Sulfolobus tokodaii*. *Acta Crystallographica Section F: Structural Biology Communications*, **2009**, 65, 1007-10
- 14 3P055 EXPERIMENTAL ANALYSIS OF BPTI VARIANTS STABILIZED BY SINGLE AND DOUBLE MUTATIONS.(Protein: Property,The 48th Annual Meeting of the Biophysical Society of Japan). *Seibutsu Butsuri*, **2010**, 50, S154 ○
- 13 1P088 1F1240 ATP-induced Dynamic Motion of Group II Chaperonin Detected by Diffracted X-ray Tracking(Protein:Measurement & Analysis,Oral Presentations,The 48th Annual Meeting of the Biophysical Society of Japan). *Seibutsu Butsuri*, **2010**, 50, S34 ○
- 12 2P005 1F1505 A hetero-seeding strategy for crystallizing protein variants difficult to crystallize(The 48th Annual Meeting of the Biophysical Society of Japan). *Seibutsu Butsuri*, **2010**, 50, S82 ○
- 11 Semi-quantitative discrimination of HBV mutants using allele-specific oligonucleotide hybridization with Handy Bio-Strand. *Journal of Bioscience and Bioengineering*, **2010**, 109, 94-100 3.3
- 10 2P020 Crystal Structure of Prefoldin beta Subunits Oligomer(Proteins-structure and structure-function relationship,Poster Presentations). *Seibutsu Butsuri*, **2007**, 47, S118 ○
- 9 2P018 X-ray Crystal Structure Analysis of a Small Heat-Shock Protein, StHsp14.0(Proteins-structure and structure-function relationship,Poster Presentations). *Seibutsu Butsuri*, **2007**, 47, S117 ○
- 8 S2e1-5 Molecular chaperones that function for the folding and maintenance of hyperthermophilic proteins(S2-e1: "Universality and diversity on the protein-folding problem",Symposia,Abstract,Meeting Program of EABS & BSJ 2006). *Seibutsu Butsuri*, **2006**, 46, S124 ○
- 7 2P094 Localization of Prefoldin Interaction Sites in Group II Chaperonin and Correlations between Binding Rate and Protein Transfer Rate(31. Protein folding and misfolding (II),Poster Session,Abstract,Meeting Program of EABS & BSJ 2006). *Seibutsu Butsuri*, **2006**, 46, S319 ○
- 6 ??????????????????????????????????. *Kagaku To Seibutsu*, **2020**, 58, 369-377 ○
- 5 Gene Structure and Function of Thermophilic ATP Synthase **1989**, 3-8
- 4 Aspartate Racemase: Function, Structure, and Reaction Mechanism **2016**, 323-337
- 3 Mechanism in Conformational Change of Group II Chaperonin. *FASEB Journal*, **2009**, 23, 850.5 0.9
- 2 Gene expression informatics with an automatic histogram-type membership function for non-uniform data. *Chem-Bio Informatics Journal*, **2010**, 10, 13-23 0.8

1 Protein-Folding Systems209-223