

Masafumi Yohda

List of Publications by Year in Descending Order

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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	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
251	CDMOs Play a Critical Role in the Biopharmaceutical Ecosystem.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 841420	5.8	1
250	Split conformation of Chaetomium thermophilum Hsp104 disaggregase. <i>Structure</i> , 2021 , 29, 721-730.e65.2	6.5	2
249	Single polypeptide detection using a translocon EXP2 nanopore. <i>Proteomics</i> , 2021 , e2100070	4.8	4
248	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
247	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
246	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
245	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
244	Immobilization of Cholesterol Oxidase in Chitosan Magnetite Material for Biosensor Application 2020 , 11, 754		2
243	Concentration-Dependent Recruitment of Mammalian Odorant Receptors. <i>ENeuro</i> , 2020 , 7,	3.9	8
242	?????????????????????????????????????. <i>Kagaku To Seibutsu</i> , 2020 , 58, 369-377	0	
241	Multiple Myeloma-Associated Ig Light Chain Crystalline Cast Nephropathy. <i>Kidney International Reports</i> , 2020 , 5, 1595-1602	4.1	5
240	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
239	PV1 Protein from Exhibits Chaperone-Like Functions and Cooperates with Hsp100s. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
238	Functional and structural characterization of HspB1/Hsp27 from Chinese hamster ovary cells. <i>FEBS Open Bio</i> , 2019 , 9, 1826-1834	2.7	2
237	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
236	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

235	Total phenolic content and antioxidant activity of spray-dried microcapsules propolis from <i>Tetragonula</i> species 2019 ,		6
234	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
233	Bridging human chaperonopathies and microbial chaperonins. <i>Communications Biology</i> , 2019 , 2, 103	6.7	3
232	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
231	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
230	Delignification of Oil Palm Empty Fruit Bunch using Peracetic Acid and Alkaline Peroxide Combined with the Ultrasound 2019 , 10, 1523		3
229	Purification and characterization of proteins in multifloral honey from kelulut bee (stingless bee). <i>Heliyon</i> , 2019 , 5, e02835	3.6	1
228	Anti-inflammatory activity of species from Indonesia. <i>Saudi Journal of Biological Sciences</i> , 2019 , 26, 1531-1538	1.538	8
227	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
226	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
225	Complete Genome Sequence of <i>Petrimonas</i> sp. Strain IBARAKI, Assembled from the Metagenome Data of a Culture Containing <i>Dehalococcoides</i> spp. <i>Genome Announcements</i> , 2018 , 6,		1
224	Isolation and Molecular Weight Characterization of <i>Tetragonula laeviceps</i> Honey Protein. <i>Makara Journal of Technology</i> , 2018 , 22, 9	1	2
223	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
222	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
221	Vapor detection and discrimination with a panel of odorant receptors. <i>Nature Communications</i> , 2018 , 9, 4556	17.4	33
220	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
219	Functional Expression and Characterization of Tetrachloroethene Dehalogenase From sp. <i>Frontiers in Microbiology</i> , 2018 , 9, 1774	5.7	8
218	Indonesian honey protein isolation <i>Apis dorsata dorsata</i> and <i>Tetragonula</i> sp. as antibacterial and antioxidant agent 2018 ,		4

217	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
216	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
215	A method of expression for an oxygen-tolerant group III alcohol dehydrogenase from <i>Pyrococcus horikoshii</i> OT3. <i>Journal of Biological Inorganic Chemistry</i> , 2017 , 22, 527-534	3.7	0
214	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
213	Expression and characterization of the Plasmodium translocon of the exported proteins component EXP2. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 482, 700-705	3.4	16
212	Modification of the response of olfactory receptors to acetophenone by CYP1a2. <i>Scientific Reports</i> , 2017 , 7, 10167	4.9	21
211	Isolation and genomic characterization of a <i>Dehalococcoides</i> strain suggests genomic rearrangement during culture. <i>Scientific Reports</i> , 2017 , 7, 2230	4.9	9
210	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
209	Asymmetry in the function and dynamics of the cytosolic group II chaperonin CCT/TRiC. <i>PLoS ONE</i> , 2017 , 12, e0176054	3.7	8
208	Olfactory receptor accessory proteins play crucial roles in receptor function and gene choice. <i>ELife</i> , 2017 , 6,	8.9	20
207	Thermosome: A Group II Chaperonin of Archaea 2016 , 1-7		1
206	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
205	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
204	Aspartate Racemase: Function, Structure, and Reaction Mechanism 2016 , 323-337		
203	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
202	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
201	Structural and functional characterization of aspartate racemase from the acidothermophilic archaeon <i>Picrophilus torridus</i> . <i>Extremophiles</i> , 2016 , 20, 385-93	3	6
200	Goniothalamin enhances the ATPase activity of the molecular chaperone Hsp90 but inhibits its chaperone activity. <i>Journal of Biochemistry</i> , 2015 , 157, 161-8	3.1	7

199	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
198	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
197	Improving the odorant sensitivity of olfactory receptor-expressing yeast with accessory proteins. <i>Analytical Biochemistry</i> , 2015 , 471, 1-8	3.1	21
196	Crystal structures of halohydrin hydrogen-halide-lyases from <i>Corynebacterium</i> sp. N-1074. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015 , 83, 2230-9	4.2	10
195	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	
194	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
193	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
192	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
191	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
190	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
189	A Bioanode Using Thermostable Alcohol Dehydrogenase for an Ethanol Biofuel Cell Operating at High Temperatures. <i>Electroanalysis</i> , 2014 , 26, 682-686	3	5
188	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
187	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
186	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
185	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
184	Biochemical characterization and cooperation with co-chaperones of heat shock protein 90 from <i>Schizosaccharomyces pombe</i> . <i>Journal of Bioscience and Bioengineering</i> , 2013 , 116, 444-8	3.3	9
183	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
182	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

181	Spectroscopic characterization of the acid-alkaline transition of a thermophilic cytochrome P450. <i>FEBS Letters</i> , 2013 , 587, 94-7	3.8	7
180	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
179	Molecular Chaperones in Thermophilic Eubacteria and Archaea 2013 , 375-394		2
178	Carbonyl sulfide hydrolase from <i>Thiobacillus thioparus</i> strain TH115 is one of the β -carbonic anhydrase family enzymes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 3818-25	16.4	69
177	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
176	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
175	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
174	Amyloid oligomer detection by immobilized molecular chaperone. <i>Biochemical Engineering Journal</i> , 2012 , 61, 28-33	4.2	5
173	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
172	Structure-based mutational study of an archaeal DNA ligase towards improvement of ligation activity. <i>ChemBioChem</i> , 2012 , 13, 2575-82	3.8	11
171	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
170	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
169	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
168	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
167	Monooxygenation by a thermophilic cytochrome P450 via direct electron donation from NADH. <i>Metallomics</i> , 2011 , 3, 389-95	4.5	6
166	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). <i>Seibutsu Butsuri</i> , 2011 , 51, S86	0	
165	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
164	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

163	Properties and crystal structure of methylenetetrahydrofolate reductase from <i>Thermus thermophilus</i> HB8. <i>PLoS ONE</i> , 2011 , 6, e23716	3.7	17
162	1P016 Biophysical characterization of highly active recombinant <i>Gussia</i> luciferase expressed in <i>Escherichia coli</i> (Protein:Structure,The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2010 , 50, S21	0	
161	2P079 Small-angle X-ray scattering of group II chaperonin in cooperation with prefoldin(The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2010 , 50, S96	0	
160	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
159	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
158	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
157	Crystal Structures of the Lumazine Protein from <i>Photobacterium kishitanii</i> in Complexes with the Authentic Chromophore, 6,7-Dimethyl-8-(1?- d -Ribityl) Lumazine, and Its Analogues, Riboflavin and Flavin Mononucleotide, at High Resolution. <i>Journal of Bacteriology</i> , 2010 , 192, 1749-1749	3.5	78
156	The Intra Dynamics of Group II Chaperonin Detected by Diffracted X-Ray Tracking Method. <i>Biophysical Journal</i> , 2010 , 98, 187a-188a	2.9	
155	Three-dimensional structures of OSW-1 and its congener. <i>Organic Letters</i> , 2010 , 12, 5732-5	6.2	16
154	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
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	Hyperthermophilic archaeal prefoldin shows refolding activity at low temperature. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 391, 467-70	3.4	7
151	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
150	Structure and Function of Small Heat Shock Proteins from the Magnetotactic Bacterium <i>Magnetospirillum magneticum</i> AMB-1. <i>Kobunshi Ronbunshu</i> , 2010 , 67, 698-704	0	1
149	3P055 EXPERIMENTAL ANALYSIS OF BPTI VARIANTS STABILIZED BY SINGLE AND DOUBLE MUTATIONS.(Protein: Property,The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2010 , 50, S154	0	
148	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). <i>Seibutsu Butsuri</i> , 2010 , 50, S34	0	
147	2P005 1F1505 A hetero-seeding strategy for crystallizing protein variants difficult to crystallize(The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2010 , 50, S82	0	
146	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

145	Semi-quantitative discrimination of HBV mutants using allele-specific oligonucleotide hybridization with Handy Bio-Strand. <i>Journal of Bioscience and Bioengineering</i> , 2010 , 109, 94-100	3.3	
144	Quantification and improvement of error rate during ligase detection reaction. <i>Journal of Bioscience and Bioengineering</i> , 2010 , 109, 202-4	3.3	3
143	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
142	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
141	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
140	Biophysical characterization of highly active recombinant Gaussia luciferase expressed in <i>Escherichia coli</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010 , 1804, 1902-7	4	23
139	Size-selective recognition of gold nanoparticles by a molecular chaperone. <i>Chemical Physics Letters</i> , 2010 , 501, 108-112	2.5	8
138	Gene expression informatics with an automatic histogram-type membership function for non-uniform data. <i>Chem-Bio Informatics Journal</i> , 2010 , 10, 13-23	0.8	
137	Construction and characterization of the hetero-oligomer of the group II chaperonin from the hyperthermophilic archaeon, <i>Thermococcus</i> sp. strain KS-1. <i>Extremophiles</i> , 2009 , 13, 437-45	3	3
136	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
135	Characterization of a sHsp of <i>Schizosaccharomyces pombe</i> , 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
134	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
133	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
132	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
131	Crystallization and heavy-atom derivatization of StHsp14.0, a small heat-shock protein from <i>Sulfolobus tokodaii</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009 , 65, 1007-10		
130	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
129	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
128	Mechanism in Conformational Change of Group II Chaperonin. <i>FASEB Journal</i> , 2009 , 23, 850.5	0.9	

127	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
126	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
125	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
124	Novel catalytic activity of nitrile hydratase from <i>Rhodococcus</i> sp. N771. <i>Journal of Bioscience and Bioengineering</i> , 2008 , 106, 174-9	3.3	9
123	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
122	Catalytic mechanism of nitrile hydratase proposed by time-resolved X-ray crystallography using a novel substrate, tert-butylisocyanide. <i>Journal of Biological Chemistry</i> , 2008 , 283, 36617-23	5.4	55
121	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
120	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
119	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
118	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
117	Solubilization of heme proteins in low polar solvents by chemical modification on a protein B surface. <i>Polymers for Advanced Technologies</i> , 2008 , 19, 1430-1435	3.2	10
116	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
115	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
114	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
113	Quantitative discrimination of 16 S rRNA genes of <i>Dehalococcoides</i> species by MagSNiPer, a quantitative single-nucleotide-polymorphism genotyping method. <i>Biotechnology and Applied Biochemistry</i> , 2008 , 51, 111-7	2.8	1
112	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
111	Formation of highly toxic soluble amyloid beta oligomers by the molecular chaperone prefoldin. <i>FEBS Journal</i> , 2008 , 275, 5982-93	5.7	51
110	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

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