

# Masaru Tanokura

## 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.

496 papers	13,756 citations	54 h-index	102 g-index
516 ext. papers	15,547 ext. citations	5.1 avg, IF	6.1 L-index

#	Paper	IF	Citations
496	Crystal structure and substrate recognition mechanism of the prolyl endoprotease PEP from <i>Aspergillus niger</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>2022</b> , 591, 76-81	3.4	2
495	Crystallization and melting properties studied by DSC and FTIR spectroscopy of goldenberry ( <i>Physalis peruviana</i> ) oil. <i>Food Chemistry</i> , <b>2022</b> , 366, 130645	8.5	1
494	Regulation of Th2 responses by <i>Lactococcus lactis</i> subsp. <i>cremoris</i> YRC3780 alleviates DNCB-induced atopic dermatitis in the mouse model. <i>Journal of Functional Foods</i> , <b>2022</b> , 94, 105091	5.1	1
493	Structural Diversity of Transcription Factor Complexes in TGF- $\beta$ Signaling. <i>Nihon Kessho Gakkaishi</i> , <b>2022</b> , 64, 113-114	0	
492	Antioxidant properties and inhibition of angiotensin-converting enzyme by highly active peptides from wheat gluten. <i>Scientific Reports</i> , <b>2021</b> , 11, 5206	4.9	6
491	Different DNA-binding specificities of NLP and NIN transcription factors underlie nitrate-induced control of root nodulation. <i>Plant Cell</i> , <b>2021</b> , 33, 2340-2359	11.6	8
490	Evaluation of spice and herb as phyto-derived selective modulators of human retinaldehyde dehydrogenases using a simple in vitro method. <i>Bioscience Reports</i> , <b>2021</b> , 41,	4.1	2
489	Effect of chemical and enzymatic modifications on the structural and physicochemical properties of dietary fiber from purple turnip ( <i>Brassica rapa</i> L.). <i>LWT - Food Science and Technology</i> , <b>2021</b> , 145, 111313	5.4	5
488	$\beta$ -Elemene Suppresses Obesity-Induced Imbalance in the Microbiota-Gut-Brain Axis. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	1
487	Gene co-expression network analysis identifies BEH3 as a stabilizer of secondary vascular development in <i>Arabidopsis</i> . <i>Plant Cell</i> , <b>2021</b> , 33, 2618-2636	11.6	3
486	Intestinal regulatory T cell induction by $\beta$ -elemene alleviates the formation of fat tissue-related inflammation. <i>iScience</i> , <b>2021</b> , 24, 101883	6.1	3
485	Hydrogen peroxide modification affects the structure and physicochemical properties of dietary fibers from white turnip ( <i>Brassica Rapa</i> L.). <i>Scientific Reports</i> , <b>2021</b> , 11, 1024	4.9	3
484	Crystal structure and DNA cleavage mechanism of the restriction DNA glycosylase R.CcoLI from <i>Campylobacter coli</i> . <i>Scientific Reports</i> , <b>2021</b> , 11, 859	4.9	
483	Isolation and characterization of oligopeptides with vascular disease suppression effects derived from wheat gluten. <i>Journal of Food Science and Technology</i> , <b>2021</b> , 58, 3504-3513	3.3	0
482	Highlighting the potential utility of MBP crystallization chaperone for <i>Arabidopsis</i> BIL1/BZR1 transcription factor-DNA complex. <i>Scientific Reports</i> , <b>2021</b> , 11, 3879	4.9	0
481	Identification of the Effects of Chondroitin Sulfate on Inhibiting CDKs in Colorectal Cancer Based on Bioinformatic Analysis and Experimental Validation. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 705939	5.3	0
480	Txn2 haplodeficiency does not affect cochlear antioxidant defenses or accelerate the progression of cochlear cell loss or hearing loss across the lifespan. <i>Experimental Gerontology</i> , <b>2020</b> , 141, 111078	4.5	0

479	Ginkgo biloba Seeds <b>2020</b> , 241-254		0
478	Functional production of human antibody by the filamentous fungus. <i>Fungal Biology and Biotechnology</i> , <b>2020</b> , 7, 7	7.5	7
477	Recovery of Yam Soluble Protein from Yam Starch Processing Wastewater. <i>Scientific Reports</i> , <b>2020</b> , 10, 5384	4.9	2
476	NIGT1 family proteins exhibit dual mode DNA recognition to regulate nutrient response-associated genes in Arabidopsis. <i>PLoS Genetics</i> , <b>2020</b> , 16, e1009197	6	4
475	Crystal structure of the complex of the interaction domains of Escherichia coli DnaB helicase and DnaC helicase loader: structural basis implying a distortion-accumulation mechanism for the DnaB ring opening caused by DnaC binding. <i>Journal of Biochemistry</i> , <b>2020</b> , 167, 1-14	3.1	4
474	Treatment with hydrogen peroxide improves the physicochemical properties of dietary fibres from Chinese yam peel. <i>International Journal of Food Science and Technology</i> , <b>2020</b> , 55, 1289-1297	3.8	5
473	Identification of novel interacting regions involving calcineurin and nuclear factor of activated T cells. <i>FASEB Journal</i> , <b>2020</b> , 34, 3197-3208	0.9	3
472	Solubility and emulsifying activity of yam soluble protein. <i>Journal of Food Science and Technology</i> , <b>2020</b> , 57, 1619-1627	3.3	3
471	Biochemical characterization and structural analysis of ulvan lyase from marine <i>Alteromonas</i> sp. reveals the basis for its salt tolerance. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 147, 1309-1317	7.9	10
470	Improved preparation of group-specific component (Gc) protein to derive macrophage activating factor. <i>Protein Expression and Purification</i> , <b>2020</b> , 175, 105714	2	
469	Age-Dependent Decrease in the Induction of Regulatory T Cells Is Associated With Decreased Expression of RALDH2 in Mesenteric Lymph Node Dendritic Cells. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 1555	8.4	1
468	Development of Engineered Ferredoxin Reductase Systems for the Efficient Hydroxylation of Steroidal Substrates. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 16720-16730	8.3	5
467	Structural bases of IMiD selectivity that emerges by 5-hydroxythalidomide. <i>Nature Communications</i> , <b>2020</b> , 11, 4578	17.4	13
466	Molecular Basis for Substrate Recognition and Catalysis by a Marine Bacterial Laminarinase. <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	2
465	Structural basis for transcriptional coactivator recognition by SMAD2 in TGF- $\beta$ signaling. <i>Science Signaling</i> , <b>2020</b> , 13,	8.8	4
464	Multivariate analyses of the physicochemical properties of turnip ( <i>Brassica rapa</i> L.) chips dried using different methods. <i>Drying Technology</i> , <b>2020</b> , 38, 411-419	2.6	11
463	Molecular basis of strigolactone perception in root-parasitic plants: aiming to control its germination with strigolactone agonists/antagonists. <i>Cellular and Molecular Life Sciences</i> , <b>2020</b> , 77, 1103-1113	10.3	3
462	Distortion of double-stranded DNA structure by the binding of the restriction DNA glycosylase R.PabI. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 5106-5118	20.1	2

461	Induction of Oral Tolerance by Pepsin-Digested Gliadin Retaining T Cell Reactivity in a Mouse Model of Wheat Allergy. <i>International Archives of Allergy and Immunology</i> , <b>2020</b> , 181, 446-455	3.7	0
460	Foliar application is an effective method for incorporating selenium into peanut leaf proteins with antioxidant activities. <i>Food Research International</i> , <b>2019</b> , 126, 108617	7	6
459	Increased burden of mitochondrial DNA deletions and point mutations in early-onset age-related hearing loss in mitochondrial mutator mice. <i>Experimental Gerontology</i> , <b>2019</b> , 125, 110675	4.5	8
458	GSTA4 mediates reduction of cisplatin ototoxicity in female mice. <i>Nature Communications</i> , <b>2019</b> , 10, 41507.4	20	
457	Biochemical characterization and biocatalytic application of a novel d-tagatose 3-epimerase from sp.. <i>RSC Advances</i> , <b>2019</b> , 9, 2919-2927	3.7	24
456	Metabolic profiling of natural and cultured Cordyceps by NMR spectroscopy. <i>Scientific Reports</i> , <b>2019</b> , 9, 7735	4.9	3
455	Characterization of the Ca-coordination structures of L- and T-plastins in combination with their synthetic peptide analogs by FTIR spectroscopy. <i>Scientific Reports</i> , <b>2019</b> , 9, 4217	4.9	5
454	Redesign of a novel D-allulose 3-epimerase from <i>Staphylococcus aureus</i> for thermostability and efficient biocatalytic production of D-allulose. <i>Microbial Cell Factories</i> , <b>2019</b> , 18, 59	6.4	28
453	Effects of different modification methods on the physicochemical and rheological properties of Chinese yam ( <i>Dioscorea opposita</i> Thunb.) starch. <i>LWT - Food Science and Technology</i> , <b>2019</b> , 116, 108513	5.4	20
452	NMR-based metabolic profiling and comparison of Japanese persimmon cultivars. <i>Scientific Reports</i> , <b>2019</b> , 9, 15011	4.9	4
451	Crystal structure of (S)-3-O-geranylgeranylglycerol phosphate synthase from <i>Thermoplasma acidophilum</i> in complex with the substrate sn-glycerol 1-phosphate. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , <b>2019</b> , 75, 470-479	1.1	2
450	Coordination to Divalent Cations by Calcium-Binding Proteins. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1929, 127-134	1.4	1
449	Structural comparisons of phosphoenolpyruvate carboxykinases reveal the evolutionary trajectories of these phosphodiester energy conversion enzymes. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 19269-19278	5.4	2
448	Structural basis of different substrate preferences of two old yellow enzymes from yeasts in the asymmetric reduction of enone compounds. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2019</b> , 83, 456-462 <sup>1</sup>	22	1
447	Comprehensive NMR analysis of two kinds of post-fermented tea and their anti-glycation activities in vitro. <i>Food Chemistry</i> , <b>2019</b> , 277, 735-743	8.5	7
446	Triazole Ureas Covalently Bind to Strigolactone Receptor and Antagonize Strigolactone Responses. <i>Molecular Plant</i> , <b>2019</b> , 12, 44-58	14.4	23
445	Optimization of the ultrafiltration-assisted extraction of Chinese yam polysaccharide using response surface methodology and its biological activity. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 121, 1186-1193	7.9	29
444	Crystal structure of the novel lesion-specific endonuclease PfuEndoQ from <i>Pyrococcus furiosus</i> . <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 4807-4818	20.1	5

443	Crystal structure of a Ca-dependent regulator of flagellar motility reveals the open-closed structural transition. <i>Scientific Reports</i> , <b>2018</b> , 8, 2014	4.9	5
442	Real-Time Monitoring of Chemical Changes in Three Kinds of Fermented Milk Products during Fermentation Using Quantitative Difference Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 1479-1487	5.7	9
441	Structural basis for controlling the enzymatic properties of polymannuronate preferred alginate lyase FLAlyA from the PL-7 family. <i>Chemical Communications</i> , <b>2018</b> , 54, 555-558	5.8	37
440	Rationally Designed Strigolactone Analogs as Antagonists of the D14 Receptor. <i>Plant and Cell Physiology</i> , <b>2018</b> , 59, 1545-1554	4.9	13
439	Quantification of terpene trilactones in Ginkgo biloba with a H NMR method. <i>Journal of Natural Medicines</i> , <b>2018</b> , 72, 793-797	3.3	7
438	Loss of IDH2 Accelerates Age-related Hearing Loss in Male Mice. <i>Scientific Reports</i> , <b>2018</b> , 8, 5039	4.9	21
437	Hydrophobic patches on SMAD2 and SMAD3 determine selective binding to cofactors. <i>Science Signaling</i> , <b>2018</b> , 11,	8.8	18
436	BC-Box Motif-Mediated Neuronal Differentiation of Somatic Stem Cells. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	4
435	Bromelain, a Bromelain Inhibitor from Pineapple Stem: Structural and Functional Characteristics. <i>Protein and Peptide Letters</i> , <b>2018</b> , 25, 838-852	1.9	1
434	Overview of the mechanism of cytoskeletal motors based on structure. <i>Biophysical Reviews</i> , <b>2018</b> , 10, 571-581	3.7	17
433	Functional properties of Chinese yam (Thunb. cv. Baiyu) soluble protein. <i>Journal of Food Science and Technology</i> , <b>2018</b> , 55, 381-388	3.3	8
432	Methyl phenlactonoates are efficient strigolactone analogs with simple structure. <i>Journal of Experimental Botany</i> , <b>2018</b> , 69, 2319-2331	7	25
431	Structural analysis of HTL and D14 proteins reveals the basis for ligand selectivity in Striga. <i>Nature Communications</i> , <b>2018</b> , 9, 3947	17.4	43
430	Structural basis for brassinosteroid response by BIL1/BZR1. <i>Nature Plants</i> , <b>2018</b> , 4, 771-776	11.5	16
429	Structural basis for receptor-regulated SMAD recognition by MAN1. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 12139-12153	20.1	13
428	Preparation of the Extracellular Domain of Recombinant Human Toll-like Receptor 6. <i>Protein Journal</i> , <b>2017</b> , 36, 28-35	3.9	
427	Development of an Azoreductase-based Reporter System with Synthetic Fluorogenic Substrates. <i>ACS Chemical Biology</i> , <b>2017</b> , 12, 558-563	4.9	28
426	Crystal structure of dibenzothiophene sulfone monooxygenase BdsA from <i>Bacillus subtilis</i> WU-S2B. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2017</b> , 85, 1171-1177	4.2	11

425	Deficiency Does Not Affect the Cytosolic Glutathione or Thioredoxin Antioxidant Defense in Mouse Cochlea. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 5770-5781	6.6	10
424	Structural basis for the regulation of phytohormone receptors. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2017</b> , 81, 1261-1273	2.1	4
423	Insight into the transition between the open and closed conformations of <i>Thermus thermophilus</i> carboxypeptidase. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 484, 787-793	3.4	5
422	Structure and Polymannuronate Specificity of a Eukaryotic Member of Polysaccharide Lyase Family 14. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 2182-2190	5.4	21
421	NMR spectra of PB2 627, the RNA-binding domain in influenza A virus RNA polymerase that contains the pathogenicity factor lysine 627, and improvement of the spectra by small osmolytes. <i>Biochemistry and Biophysics Reports</i> , <b>2017</b> , 12, 129-134	2.2	2
420	Quantitation of Minor Components in Mango Juice with Band-Selective Excitation NMR Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 9547-9552	5.7	4
419	Engineering a short-chain dehydrogenase/reductase for the stereoselective production of (2S,3R,4S)-4-hydroxyisoleucine with three asymmetric centers. <i>Scientific Reports</i> , <b>2017</b> , 7, 13703	4.9	7
418	GSR is not essential for the maintenance of antioxidant defenses in mouse cochlea: Possible role of the thioredoxin system as a functional backup for GSR. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180817	3.7	6
417	REFOLDdb: a new and sustainable gateway to experimental protocols for protein refolding. <i>BMC Structural Biology</i> , <b>2017</b> , 17, 4	2.7	6
416	Studies on the regulatory mechanism of isocitrate dehydrogenase 2 using acetylation mimics. <i>Scientific Reports</i> , <b>2017</b> , 7, 9785	4.9	16
415	Laminarinase from <i>Flavobacterium</i> sp. reveals the structural basis of thermostability and substrate specificity. <i>Scientific Reports</i> , <b>2017</b> , 7, 11425	4.9	15
414	NMR-based metabolomics for simultaneously evaluating multiple determinants of primary beef quality in Japanese Black cattle. <i>Scientific Reports</i> , <b>2017</b> , 7, 1297	4.9	41
413	Development of Quasi-Microgravity Environment for Protein Crystallization. <i>Nihon Kessho Gakkaishi</i> , <b>2017</b> , 59, 182-187	0	
412	New approach to generating insights for aging research based on literature mining and knowledge integration. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183534	3.7	5
411	II-1. Structural biology of proteins from aquatic organisms. <i>Nippon Suisan Gakkaishi</i> , <b>2017</b> , 83, 819-819	0.2	
410	Crystal structure of a crustacean hyperglycemic hormone (CHH) precursor suggests structural variety in the C-terminal regions of CHH superfamily members. <i>FEBS Journal</i> , <b>2016</b> , 283, 4325-4339	5.7	7
409	Structural basis of unique ligand specificity of KAI2-like protein from parasitic weed <i>Striga hermonthica</i> . <i>Scientific Reports</i> , <b>2016</b> , 6, 31386	4.9	38
408	Effects of Long-Term Exercise on Age-Related Hearing Loss in Mice. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 11308-11319	6.6	30



407	In-situ and real-time growth observation of high-quality protein crystals under quasi-microgravity on earth. <i>Scientific Reports</i> , <b>2016</b> , 6, 22127	4.9	7
406	NMR-based analysis of the chemical composition of Japanese persimmon aqueous extracts. <i>Magnetic Resonance in Chemistry</i> , <b>2016</b> , 54, 213-21	2.1	8
405	Crystal Structure of Human Leukocyte Cell-derived Chemotaxin 2 (LECT2) Reveals a Mechanistic Basis of Functional Evolution in a Mammalian Protein with an M23 Metalloendopeptidase Fold. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 17133-42	5.4	10
404	Functional heterologous expression and characterization of mannuronan C5-epimerase from the brown alga <i>Saccharina japonica</i> . <i>Algal Research</i> , <b>2016</b> , 16, 282-291	5	26
403	Chapter 1 Electron Microscopic Visualization and Recording of ATP-Induced Myosin Head Power Stroke Producing Muscle Contraction Using the Gas Environmental Chamber <b>2016</b> , 1-34		
402	Chapter 4 Limitations of in vitro Motility Assay Systems in Studying Molecular Mechanism of Muscle Contraction as Revealed by the Effect of Antibodies to Myosin Head <b>2016</b> , 117-142		
401	Complex Mixture Analysis of Organic Compounds in Yogurt by NMR Spectroscopy. <i>Metabolites</i> , <b>2016</b> , 6,	5.6	14
400	Tetrameric structure of the restriction DNA glycosylase R.PabI in complex with nonspecific double-stranded DNA. <i>Scientific Reports</i> , <b>2016</b> , 6, 35197	4.9	7
399	Enzymes useful for chiral compound synthesis: structural biology, directed evolution, and protein engineering for industrial use. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 5747-57	5.7	26
398	A class-A GPCR solubilized under high hydrostatic pressure retains its ligand binding ability. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2016</b> , 1858, 2145-2151	3.8	2
397	Use of NMR-Based Metabolomics To Chemically Characterize the Roasting Process of Chicory Root. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 6459-6465	5.7	13
396	Structural basis for the Ca(2+)-enhanced thermostability and activity of PET-degrading cutinase-like enzyme from <i>Saccharomonospora viridis</i> AHK190. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 4297-307	5.7	70
395	A new target region for changing the substrate specificity of amine transaminases. <i>Scientific Reports</i> , <b>2015</b> , 5, 10753	4.9	36
394	Structural analysis of enzymes used for bioindustry and bioremediation. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2015</b> , 79, 1391-401	2.1	8
393	Structural Basis for Action of the External Chaperone for a Propeptide-deficient Serine Protease from <i>Aeromonas sobria</i> . <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 11130-43	5.4	5
392	Structure and reaction mechanism of a novel enone reductase. <i>FEBS Journal</i> , <b>2015</b> , 282, 1526-37	5.7	7
391	Yam Tuber Storage Protein Reduces Plant Oxidants Using the Coupled Reactions as Carbonic Anhydrase and Dehydroascorbate Reductase. <i>Molecular Plant</i> , <b>2015</b> , 8, 1115-8	14.4	12
390	Expression, purification, refolding, and enzymatic characterization of two secretory phospholipases AII from <i>Neurospora crassa</i> . <i>Protein Expression and Purification</i> , <b>2015</b> , 115, 69-75	2	7

- 389 Structural basis for substrate recognition and processive cleavage mechanisms of the trimeric exonuclease PhoExo I. *Nucleic Acids Research*, **2015**, 43, 7122-36 20.1 7
- 388 Chemical Changes in the Components of Coffee Beans during Roasting **2015**, 83-91 18
- 387 Organic Compounds in Green Coffee Beans **2015**, 149-162 12
- 386 Electron microscopic recording of myosin head power stroke in hydrated myosin filaments. *Scientific Reports*, **2015**, 5, 15700 4.9 7
- 385 Crystal structures of apo-DszC and FMN-bound DszC from *Rhodococcus erythropolis* D-1. *FEBS Journal*, **2015**, 282, 3126-35 5.7 22
- 384 Control of the localization and function of a miRNA silencing component TNRC6A by Argonaute protein. *Nucleic Acids Research*, **2015**, 43, 9856-73 20.1 20
- 383 Comprehensive NMR analysis of compositional changes of black garlic during thermal processing. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 683-91 5.7 64
- 382 An engineered old yellow enzyme that enables efficient synthesis of (4R,6R)-Actinol in a one-pot reduction system. *ChemBioChem*, **2015**, 16, 440-5 3.8 19
- 381 Broadband WET: a novel technique for quantitative characterization of minor components in foods. *Magnetic Resonance in Chemistry*, **2014**, 52, 333-8 2.1 5
- 380 A sequence-specific DNA glycosylase mediates restriction-modification in *Pyrococcus abyssi*. *Nature Communications*, **2014**, 5, 3178 17.4 23
- 379 Structure of the microtubule-binding domain of flagellar dynein. *Structure*, **2014**, 22, 1628-38 5.2 13
- 378 Expression, high-pressure refolding, purification, crystallization and preliminary X-ray analysis of a novel single-strand-specific 3'5' exonuclease PhoExo I from *Pyrococcus horikoshii* OT3. *Acta Crystallographica Section F, Structural Biology Communications*, **2014**, 70, 1076-9 1.1 3
- 377 Crystal structure of the novel haloalkane dehalogenase DatA from *Agrobacterium tumefaciens* C58 reveals a special halide-stabilizing pair and enantioselectivity mechanism. *Applied Microbiology and Biotechnology*, **2014**, 98, 8573-82 5.7 12
- 376 A novel Ca<sup>2+</sup>-activated, thermostabilized polyesterase capable of hydrolyzing polyethylene terephthalate from *Saccharomonospora viridis* AHK190. *Applied Microbiology and Biotechnology*, **2014**, 98, 10053-64 5.7 155
- 375 Human CTP:phosphoethanolamine cytidyltransferase: enzymatic properties and unequal catalytic roles of CTP-binding motifs in two cytidyltransferase domains. *Biochemical and Biophysical Research Communications*, **2014**, 449, 26-31 3.4 6
- 374 A pilot study of NMR-based sensory prediction of roasted coffee bean extracts. *Food Chemistry*, **2014**, 152, 363-9 8.5 47
- 373 Structural basis of stereospecific reduction by quinuclidinone reductase. *AMB Express*, **2014**, 4, 6 4.1 7
- 372 2P077 Different Ca<sup>2+</sup>-sensitivities between the EF-hands of T- and L-plastins(01D. Protein: Function,Poster,The 52nd Annual Meeting of the Biophysical Society of Japan(BSJ2014)). *Seibutsu Butsuri*, **2014**, 54, S207 0



371	Definite differences between in vitro actin-myosin sliding and muscle contraction as revealed using antibodies to myosin head. <i>PLoS ONE</i> , <b>2014</b> , 9, e93272	3.7	6
370	A secreted protein with plant-specific cysteine-rich motif functions as a mannose-binding lectin that exhibits antifungal activity. <i>Plant Physiology</i> , <b>2014</b> , 166, 766-78	6.6	43
369	Attenuation of migration properties of CD4+ T cells from aged mice correlates with decrease in chemokine receptor expression, response to retinoic acid, and RALDH expression compared to young mice. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2014</b> , 78, 976-80	2.1	7
368	Identification of functionally important residues of the silkworm pheromone biosynthesis-activating neuropeptide receptor, an insect ortholog of the vertebrate neuromedin U receptor. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 19150-63	5.4	18
367	Analysis of Weak Affinity of $\alpha$ -D-Fructofuranosyl-(2 $\rightarrow$ 1)-2-acetamido-2-deoxy- $\beta$ -D-glucopyranoside for Yeast $\alpha$ -Fructofuranosidase Using NMR Spectroscopy. <i>Journal of Carbohydrate Chemistry</i> , <b>2014</b> , 33, 498-505	1.7	1
366	Splenic stromal cells from aged mice produce higher levels of IL-6 compared to young mice. <i>Mediators of Inflammation</i> , <b>2014</b> , 2014, 826987	4.3	10
365	Structural optimization of SadA, an Fe(II)- and $\alpha$ -ketoglutarate-dependent dioxygenase targeting biocatalytic synthesis of N-succinyl-L-threo-3,4-dimethoxyphenylserine. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 450, 1458-61	3.4	14
364	Calcium-dependent structural changes in human reticulocalbin-1. <i>Journal of Biochemistry</i> , <b>2014</b> , 155, 281-93	3.1	10
363	L-allo-threonine aldolase with an H128Y/S292R mutation from <i>Aeromonas jandaei</i> DK-39 reveals the structural basis of changes in substrate stereoselectivity. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2014</b> , 70, 1695-703		14
362	Structural basis for high substrate-binding affinity and enantioselectivity of 3-quinuclidinone reductase AtQR. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 446, 911-5	3.4	11
361	Structure of conjugated polyketone reductase from <i>Candida parapsilosis</i> IFO 0708 reveals conformational changes for substrate recognition upon NADPH binding. <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 243-9	5.7	15
360	A novel mode of ferric ion coordination by the periplasmic ferric ion-binding subunit FbpA of an ABC-type iron transporter from <i>Thermus thermophilus</i> HB8. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2014</b> , 70, 196-202		9
359	Oligomerization mechanisms of an H-NS family protein, Pmr, encoded on the plasmid pCAR1 provide a molecular basis for functions of H-NS family members. <i>PLoS ONE</i> , <b>2014</b> , 9, e105656	3.7	11
358	Experimental evidence for the thermophilicity of ancestral life. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 11067-72	11.5	112
357	Evaluation of nonionic adsorbent resins for removal of inhibitory compounds from corn cob hydrolysate for ethanol fermentation. <i>Bioresource Technology</i> , <b>2013</b> , 149, 541-5	11	7
356	A thermoacidophile-specific protein family, DUF3211, functions as a fatty acid carrier with novel binding mode. <i>Journal of Bacteriology</i> , <b>2013</b> , 195, 4005-12	3.5	3
355	Molecular mechanism of strigolactone perception by DWARF14. <i>Nature Communications</i> , <b>2013</b> , 4, 2613	17.4	245
354	Coordination to divalent cations by calcium-binding proteins studied by FTIR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2013</b> , 1828, 2319-27	3.8	77

353	Structure and function of abscisic acid receptors. <i>Trends in Plant Science</i> , <b>2013</b> , 18, 259-66	13.1	126
352	Leukocyte cell-derived chemotaxin 2 is a zinc-binding protein. <i>FEBS Letters</i> , <b>2013</b> , 587, 404-9	3.8	9
351	Expression, high-pressure refolding and purification of human leukocyte cell-derived chemotaxin 2 (LECT2). <i>Protein Expression and Purification</i> , <b>2013</b> , 88, 221-9	2	9
350	Development of a peptide antagonist against fsr quorum sensing of <i>Enterococcus faecalis</i> . <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 804-11	4.9	40
349	The flavoenzyme azobenzene reductase AzoR from <i>Escherichia coli</i> binds roseoflavin mononucleotide (RoFMN) with high affinity and is less active in its RoFMN form. <i>Biochemistry</i> , <b>2013</b> , 52, 4288-95	3.2	27
348	Structural basis for cyclization specificity of two <i>Azotobacter</i> type III polyketide synthases: a single amino acid substitution reverses their cyclization specificity. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 34146-34157	5.4	22
347	Structural units important for activity of a novel-type phosphoserine phosphatase from <i>Hydrogenobacter thermophilus</i> TK-6 revealed by crystal structure analysis. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 11448-58	5.4	12
346	Crystal structure and site-directed mutagenesis analyses of haloalkane dehalogenase LinB from <i>Sphingobium</i> sp. strain MI1205. <i>Journal of Bacteriology</i> , <b>2013</b> , 195, 2642-51	3.5	19
345	The structure of brazzein, a sweet-tasting protein from the wild African plant <i>Pentadiplandra brazzeana</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2013</b> , 69, 642-7		21
344	Complex structure of the DNA-binding domain of AdpA, the global transcription factor in <i>Streptomyces griseus</i> , and a target duplex DNA reveals the structural basis of its tolerant DNA sequence specificity. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 31019-29	5.4	15
343	Crystallization and preliminary X-ray analysis of human leukocyte cell-derived chemotaxin 2 (LECT2). <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2013</b> , 69, 316-9		6
342	Crystal structure of conjugated polyketone reductase (CPR-C1) from <i>Candida parapsilosis</i> IFO 0708 complexed with NADPH. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2013</b> , 81, 2059-63	4.2	5
341	Ototoxic Model of Oxaliplatin and Protection from Nicotinamide Adenine Dinucleotide. <i>Journal of Otolaryngology</i> , <b>2013</b> , 8, 63-71	1.9	7
340	Coordination structures of Mg <sup>2+</sup> and Ca <sup>2+</sup> in three types of tobacco calmodulins in solution: Fourier-transform infrared spectroscopic studies of side-chain COO <sup>-</sup> groups. <i>Biopolymers</i> , <b>2013</b> , 99, 472-83	3.2	4
339	Infrared study of synthetic peptide analogues of the calcium-binding site III of troponin C: The role of helix F of an EF-hand motif. <i>Biopolymers</i> , <b>2013</b> , 99, 342-7	2.2	3
338	Structure of the Ca(2+)-saturated C-terminal domain of scallop troponin C in complex with a troponin I fragment. <i>Biological Chemistry</i> , <b>2013</b> , 394, 55-68	4.5	7
337	1P024 Coordination to divalent cations by calcium-binding proteins and calcium-binding peptide analogues studied by FTIR spectroscopy(01B. Protein:Structure & Function,Poster). <i>Seibutsu Butsuri</i> , <b>2013</b> , 53, S109	0	
336	Crystal structure of a novel N-substituted L-amino acid dioxygenase from <i>Burkholderia ambifaria</i> AMMD. <i>PLoS ONE</i> , <b>2013</b> , 8, e63996	3.7	19

335	Addition of exogenous NAD <sup>+</sup> prevents mefloquine-induced neuroaxonal and hair cell degeneration through reduction of caspase-3-mediated apoptosis in cochlear organotypic cultures. <i>PLoS ONE</i> , <b>2013</b> , 8, e79817	3.7	39
334	Distinguishable in vitro binding mode of monomeric TRBP and dimeric PACT with siRNA. <i>PLoS ONE</i> , <b>2013</b> , 8, e63434	3.7	18
333	The effect of acyclic retinoid on the metabolomic profiles of hepatocytes and hepatocellular carcinoma cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e82860	3.7	22
332	Purification, crystallization and preliminary X-ray analysis of OsAREB8 from rice, a member of the AREB/ABF family of bZIP transcription factors, in complex with its cognate DNA. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2012</b> , 68, 491-4		3
331	Expression, purification, crystallization and preliminary X-ray analysis of carbonyl reductase S1 from <i>Candida magnoliae</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2012</b> , 68, 540-2		2
330	Crystallization and preliminary X-ray analysis of the haloalkane dehalogenase DatA from <i>Agrobacterium tumefaciens</i> C58. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2012</b> , 68, 652-4		2
329	Calaxin drives sperm chemotaxis by Ca <sup>2+</sup> -mediated direct modulation of a dynein motor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 20497-502	11.5	60
328	Crystallization and preliminary X-ray diffraction analysis of a novel type of phosphoserine phosphatase from <i>Hydrogenobacter thermophilus</i> TK-6. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2012</b> , 68, 911-3		1
327	Purification, crystallization and preliminary X-ray analysis of the DNA-binding domain of AdpA, the central transcription factor in the A-factor regulatory cascade in the filamentous bacterium <i>Streptomyces griseus</i> , in complex with a duplex DNA. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2012</b> , 68, 945-9		4
326	Expression, purification, crystallization and preliminary X-ray analysis of 4-hydroxy-3-methyl-2-keto-pentanoate aldolase (asHPAL) from <i>Arthrobacter simplex</i> strain AKU 626. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2012</b> , 68, 958-61		0
325	Purification, crystallization and preliminary X-ray analysis of SGR6054, a <i>Streptomyces</i> homologue of the mycobacterial integration host factor mIHF. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2012</b> , 68, 1085-8		
324	Expression, purification, crystallization and preliminary X-ray analysis of a novel N-substituted branched-chain L-amino-acid dioxygenase from <i>Burkholderia ambifaria</i> AMMD. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2012</b> , 68, 1067-9		2
323	Expression, purification, crystallization and X-ray analysis of 3-quinuclidinone reductase from <i>Agrobacterium tumefaciens</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2012</b> , 68, 1237-9		4
322	Roasting process of coffee beans as studied by nuclear magnetic resonance: time course of changes in composition. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 1005-12	5.7	103
321	Effect of low-dose thalidomide on dopaminergic neuronal differentiation of human neural progenitor cells: a combined study of metabolomics and morphological analysis. <i>NeuroToxicology</i> , <b>2012</b> , 33, 1375-80	4.4	12
320	NMR-based metabolic profiling of rice wines by F(2)-selective total correlation spectra. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 4818-25	5.7	21
319	Metabolic discrimination of mango juice from various cultivars by band-selective NMR spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 1158-66	5.7	50
318	High pressure refolding, purification, and crystallization of flavin reductase from <i>Sulfolobus tokodaii</i> strain 7. <i>Protein Expression and Purification</i> , <b>2012</b> , 84, 214-8	2	9

317	Cloning of genes and enzymatic characterizations of novel dioscorin isoforms from <i>Dioscorea japonica</i> . <i>Plant Science</i> , <b>2012</b> , 183, 14-9	5.3	18
316	Improvement in Quality of Protein Crystals Grown in a High Magnetic Field Gradient. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 1141-1150	3.5	25
315	(13)C NMR-based metabolomics for the classification of green coffee beans according to variety and origin. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 10118-25	5.7	89
314	Different Ca <sup>2+</sup> -sensitivities between the EF-hands of T- and L-plastins. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 429, 137-41	3.4	17
313	Application of High-Field Superconducting Magnet to Protein Crystallization. <i>Physics Procedia</i> , <b>2012</b> , 36, 953-957		8
312	Re-Evaluation of the PBAN Receptor Molecule: Characterization of PBANR Variants Expressed in the Pheromone Glands of Moths. <i>Frontiers in Endocrinology</i> , <b>2012</b> , 3, 6	5.7	30
311	The Arginine Residue within the C-Terminal Active Core of <i>Bombyx mori</i> Pheromone Biosynthesis-Activating Neuropeptide is Essential for Receptor Binding and Activation. <i>Frontiers in Endocrinology</i> , <b>2012</b> , 3, 42	5.7	11
310	Establishment of Sf9 Transformants Constitutively Expressing PBAN Receptor Variants: Application to Functional Evaluation. <i>Frontiers in Endocrinology</i> , <b>2012</b> , 3, 56	5.7	10
309	Crystallization and preliminary X-ray crystallographic analysis of dioscorin from <i>Dioscorea japonica</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2012</b> , 68, 193-5		1
308	Substrate recognition mechanism and substrate-dependent conformational changes of an ROK family glucokinase from <i>Streptomyces griseus</i> . <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 607-16	3.5	20
307	OTOTOXIC EFFECTS OF CARBOPLATIN IN ORGANOTYPIC CULTURES IN CHINCHILLAS AND RATS. <i>Journal of Otology</i> , <b>2012</b> , 7, 92-101	1.9	17
306	The crystal structure of an intermediate dimer of aspergilloglutamic peptidase that mimics the enzyme-activation product complex produced upon autoproteolysis. <i>Journal of Biochemistry</i> , <b>2012</b> , 152, 45-52	3.1	4
305	Isolation and tyrosinase inhibitory effects of polyphenols from the leaves of persimmon, <i>Diospyros kaki</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 6011-7	5.7	59
304	Electron microscopic evidence for the myosin head lever arm mechanism in hydrated myosin filaments using the gas environmental chamber. <i>Biochemical and Biophysical Research Communications</i> , <b>2011</b> , 405, 651-6	3.4	18
303	Solution structure of a short-chain insecticidal toxin LaiT1 from the venom of scorpion <i>Liocheles australasiae</i> . <i>Biochemical and Biophysical Research Communications</i> , <b>2011</b> , 411, 738-44	3.4	12
302	The crystal structure of l-sorbose reductase from <i>Gluconobacter frateurii</i> complexed with NADPH and l-sorbose. <i>Journal of Molecular Biology</i> , <b>2011</b> , 407, 543-55	6.5	14
301	Two-dimensional 1H-13C nuclear magnetic resonance (NMR)-based comprehensive analysis of roasted coffee bean extract. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 9065-73	5.7	42
300	Antifungal and Lipid Transfer Proteins from Ginkgo ( <i>Ginkgo biloba</i> ) Seeds <b>2011</b> , 527-534		7

299	?? ABA?????????????????????????????. <i>Kagaku To Seibutsu</i> , <b>2011</b> , 49, 74-76		0
298	Single-molecule paleoenzymology probes the chemistry of resurrected enzymes. <i>Nature Structural and Molecular Biology</i> , <b>2011</b> , 18, 592-6	17.6	149
297	siRNA-mediated knockdown of aryl hydrocarbon receptor nuclear translocator 2 affects hypoxia-inducible factor-1 regulatory signaling and metabolism in human breast cancer cells. <i>FEBS Letters</i> , <b>2011</b> , 585, 3310-5	3.8	19
296	Expression, purification, crystallization and preliminary X-ray analysis of the KaiC-like protein PH0187 from the hyperthermophilic archaeon <i>Pyrococcus horikoshii</i> OT3. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2011</b> , 67, 144-6		2
295	Structure of flap endonuclease 1 from the hyperthermophilic archaeon <i>Desulfurococcus amylolyticus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2011</b> , 67, 209-13		6
294	Crystallization and preliminary X-ray analysis of a putative sensor histidine kinase domain: the C-terminal domain of HksP4 from <i>Aquifex aeolicus</i> VF5. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2011</b> , 67, 803-7		0
293	Purification, crystallization and preliminary X-ray analysis of glucokinase from <i>Streptomyces griseus</i> in complex with glucose. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2011</b> , 67, 914-6		1
292	Crystallization and preliminary X-ray analysis of crustacean hyperglycaemic hormone from the kuruma prawn <i>Marsupenaeus japonicus</i> in its weakly active precursor form. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2011</b> , 67, 1586-9		4
291	Crystal structure of curcuminoid synthase CUS from <i>Oryza sativa</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2011</b> , 79, 669-73	4.2	6
290	F2-selective two-dimensional NMR spectroscopy for the analysis of minor components in foods. <i>Magnetic Resonance in Chemistry</i> , <b>2011</b> , 49, 710-6	2.1	9
289	Isolation and <i>Caenorhabditis elegans</i> lifespan assay of flavonoids from onion. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 5927-34	5.7	23
288	One-week antihypertensive effect of Ile-Gln-Pro in spontaneously hypertensive rats. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 559-63	5.7	34
287	Detection of apoptosis by RT-PCR array in mefloquine-induced cochlear damage. <i>Journal of Otolaryngology</i> , <b>2011</b> , 6, 1-9	1.9	4
286	Regulatory mechanism of abscisic acid signaling. <i>Biophysics (Nagoya-shi, Japan)</i> , <b>2011</b> , 7, 123-128		7
285	Structural and biochemical elucidation of mechanism for decarboxylative condensation of beta-keto acid by curcumin synthase. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 6659-68	5.4	20
284	In vivo Antihypertensive Effect of Val-Glu-Pro in Spontaneously Hypertensive Rats*. <i>Progress in Biochemistry and Biophysics</i> , <b>2011</b> , 38, 353-360		6
283	Mechanistic Basis for Plant Responses to Drought Stress: Regulatory Mechanism of Abscisic Acid Signaling. <i>Nihon Kessho Gakkaishi</i> , <b>2011</b> , 53, 178-185		0
282	Recent Progress in Abscisic Acid Receptor Research. <i>Seibutsu Butsuri</i> , <b>2011</b> , 51, 026-027		0



281	Biological actions of green tea catechins on cardiac troponin C. <i>British Journal of Pharmacology</i> , <b>2010</b> , 161, 1034-43	8.6	51
280	Cooperative DNA-binding and sequence-recognition mechanism of aristaless and clawless. <i>EMBO Journal</i> , <b>2010</b> , 29, 1613-23	13	23
279	Mitochondrial DNA mutations induce mitochondrial dysfunction, apoptosis and sarcopenia in skeletal muscle of mitochondrial DNA mutator mice. <i>PLoS ONE</i> , <b>2010</b> , 5, e11468	3.7	196
278	Effects of caloric restriction on age-related hearing loss in rodents and rhesus monkeys. <i>Current Aging Science</i> , <b>2010</b> , 3, 20-5	2.2	36
277	Reduction of MPO-ANCA epitopes in SCG/Kj mice by 15-deoxyspergualin treatment restricted by IgG2b associated with crescentic glomerulonephritis. <i>Rheumatology</i> , <b>2010</b> , 49, 1245-56	3.9	6
276	Structure of the histone chaperone CIA/ASF1-double bromodomain complex linking histone modifications and site-specific histone eviction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 8153-8	11.5	23
275	Isolation, cDNA cloning, and structure-based functional characterization of oryctin, a hemolymph protein from the coconut rhinoceros beetle, <i>Oryctes rhinoceros</i> , as a novel serine protease inhibitor. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 30150-8	5.4	12
274	Stimulatory effects of arachidonic acid on myosin ATPase activity and contraction of smooth muscle via myosin motor domain. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2010</b> , 298, H505-14	5.2	10
273	Isolation of an antihypertensive peptide from alcalase digest of <i>Spirulina platensis</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 7166-71	5.7	80
272	Crystal structure of the ATPase subunit and its substrate-dependent association with the GATase subunit: a novel regulatory mechanism for a two-subunit-type GMP synthetase from <i>Pyrococcus horikoshii</i> OT3. <i>Journal of Molecular Biology</i> , <b>2010</b> , 395, 417-29	6.5	15
271	An archaeal Dim2-like protein, aDim2p, forms a ternary complex with a/eIF2 alpha and the 3' end fragment of 16S rRNA. <i>Journal of Molecular Biology</i> , <b>2010</b> , 398, 774-85	6.5	15
270	Crystal structure of zebrafish hatching enzyme 1 from the zebrafish <i>Danio rerio</i> . <i>Journal of Molecular Biology</i> , <b>2010</b> , 402, 865-78	6.5	32
269	Crystal structure of hexachlorocyclohexane Dehydrochlorinase LinA from <i>Sphingobium japonicum</i> UT26. <i>Journal of Molecular Biology</i> , <b>2010</b> , 403, 260-9	6.5	33
268	Sirt3 mediates reduction of oxidative damage and prevention of age-related hearing loss under caloric restriction. <i>Cell</i> , <b>2010</b> , 143, 802-12	56.2	860
267	Molecular basis of the core regulatory network in ABA responses: sensing, signaling and transport. <i>Plant and Cell Physiology</i> , <b>2010</b> , 51, 1821-39	4.9	612
266	Autism spectrum disorder is related to endoplasmic reticulum stress induced by mutations in the synaptic cell adhesion molecule, <i>CADM1</i> . <i>Cell Death and Disease</i> , <b>2010</b> , 1, e47	9.8	64
265	1P012 Structural analysis for substrate recognition of carbonyl reductase S1 (Protein:Structure, The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , <b>2010</b> , 50, S21	0	
264	2P030 The crystal structure of L-sorbose reductase from <i>Gluconobacter frateurii</i> complexed with NADPH and L-sorbose (The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , <b>2010</b> , 50, S87	0	



263	1P046 1YA1045 Structural basis of abscisic acid signaling(Protein:Structure & Function,Early Research in Biophysics Award Candidate Presentations,Early Research in Biophysics Award,The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , <b>2010</b> , 50, S27	0	
262	Complex mixture analysis of organic compounds in green coffee bean extract by two-dimensional NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , <b>2010</b> , 48, 857-65	2.1	65
261	The structure of mAG, a monomeric mutant of the green fluorescent protein Azami-Green, reveals the structural basis of its stable green emission. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2010</b> , 66, 485-9		10
260	Crystallization and preliminary X-ray analysis of 5-keto-D-gluconate reductase from <i>Gluconobacter suboxydans</i> IFO12528 complexed with 5-keto-D-gluconate and NADPH. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2010</b> , 66, 1680-2		0
259	Purification and Characterization of an Angiotensin I-converting Enzyme Inhibitory Peptide Derived From <i>Spirulina platensis</i> *. <i>Progress in Biochemistry and Biophysics</i> , <b>2010</b> , 37, 568-574		5
258	Cell-free protein synthesis for structure determination by X-ray crystallography. <i>Methods in Molecular Biology</i> , <b>2010</b> , 607, 149-60	1.4	19
257	1P190 1B1435 Structural basis for the coordinated processive movement of kinesin-1 studied by structural and single molecule analyses(Molecular motor,Oral Presentations,The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , <b>2010</b> , 50, S52-S53	0	
256	Recent Progress and Development of Crystal Structure Analysis of Enzymes and Other Proteins. <i>Nihon Kessho Gakkaishi</i> , <b>2010</b> , 52, 8-13	0	1
255	Effects of Nutraceutical Antioxidants on Age-Related Hearing Loss <b>2010</b> , 113-124		
254	Age-related hearing loss in C57BL/6J mice is mediated by Bak-dependent mitochondrial apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 19432-7	11.5	238
253	Structure-activity relationship of gelatinase biosynthesis-activating pheromone of <i>Enterococcus faecalis</i> . <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 641-50	3.5	31
252	Crystal structure of the DUF54 family protein PH1010 from hyperthermophilic archaea <i>Pyrococcus horikoshii</i> OT3. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2009</b> , 74, 256-60	4.2	1
251	Crystal structure of TTHA1264, a putative M16-family zinc peptidase from <i>Thermus thermophilus</i> HB8 that is homologous to the beta subunit of mitochondrial processing peptidase. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2009</b> , 75, 774-80	4.2	13
250	Crystal structure of KaiC-like protein PH0186 from hyperthermophilic archaea <i>Pyrococcus horikoshii</i> OT3. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2009</b> , 75, 1035-9	4.2	13
249	Crystal structure of ginkbilobin-2 with homology to the extracellular domain of plant cysteine-rich receptor-like kinases. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2009</b> , 77, 247-51	4.2	29
248	Structure of TTHA1623, a novel metallo-beta-lactamase superfamily protein from <i>Thermus thermophilus</i> HB8. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2009</b> , 65, 455-9		11
247	Purification, crystallization and preliminary X-ray analysis of L-sorbose reductase from <i>Gluconobacter frateurii</i> complexed with L-sorbose or NADPH. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2009</b> , 65, 562-4		3
246	Crystallization and preliminary X-ray analysis of the NADPH-dependent 3-quinuclidinone reductase from <i>Rhodotorula rubra</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2009</b> , 65, 645-7		3

245	Crystallization and preliminary X-ray analysis of gamma-hexachlorocyclohexane dehydrochlorinase LinA from <i>Sphingobium japonicum</i> UT26. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2009</b> , 65, 822-4	4	
244	Crystallization and preliminary X-ray analysis of flap endonuclease 1 (FEN1) from <i>Desulfurococcus amylolyticus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2009</b> , 65, 923-5	2	
243	Crystallization and preliminary X-ray analysis of ZHE1, a hatching enzyme from the zebrafish <i>Danio rerio</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2009</b> , 65, 1018-20	6	
242	Expression, purification, crystallization and preliminary X-ray analysis of conjugated polyketone reductase C2 (CPR-C2) from <i>Candida parapsilosis</i> IFO 0708. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2009</b> , 65, 1145-8	2	
241	Crystallization and preliminary X-ray analysis of a monomeric mutant of Azami-Green (mAG), an <i>Aequorea victoria</i> green fluorescent protein-like green-emitting fluorescent protein from the stony coral <i>Galaxea fascicularis</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2009</b> , 65, 1292-5	4	
240	Structural basis of abscisic acid signalling. <i>Nature</i> , <b>2009</b> , 462, 609-14	50.4	406
239	Optimisation of hydrolysis conditions for the production of the angiotensin-I converting enzyme (ACE) inhibitory peptides from whey protein using response surface methodology. <i>Food Chemistry</i> , <b>2009</b> , 114, 328-333	8.5	111
238	Purification and characterization of CEP from <i>Lactococcus lactis</i> ssp. <i>lactis</i> . <i>Food Chemistry</i> , <b>2009</b> , 112, 533-538	8.5	12
237	Phosphorylation of proteins by dry-heating in the presence of pyrophosphate and some characteristics of introduced phosphate groups. <i>Food Chemistry</i> , <b>2009</b> , 114, 1036-1041	8.5	26
236	Binding of an RNA pol II Ligand to the WW Domain of Pin1 Using Molecular Dynamics Docking Simulations. <i>Journal of Chemical Theory and Computation</i> , <b>2009</b> , 5, 2886-97	6.4	4
235	Molecular mechanism of distinct salt-dependent enzyme activity of two halophilic nucleoside diphosphate kinases. <i>Biophysical Journal</i> , <b>2009</b> , 96, 4692-700	2.9	16
234	Ca <sup>2+</sup> on/off. <i>Kagaku To Seibutsu</i> , <b>2009</b> , 47, 838-844	0	
233	3P-028 X-ray structural analysis of N-terminal domain of KaiC (KaiCI) for understanding of restrained ATPase activity(Protein:Structure & Function,The 47th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , <b>2009</b> , 49, S155	0	
232	1P-146 Crystal Structure of Nucleotide-free Kinesin-1 Motor Domain Explains Coordinated Walking Mechanism(Molecular motor, The 47th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , <b>2009</b> , 49, S85	0	
231	1TP4-06 Crystal Structure of Nucleotide-free Kinesin-1 Motor Domain Explains Coordinated Walking Mechanism(The 47th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , <b>2009</b> , 49, S36	0	
230	Discovery and Characterization of a Thermostable NADH Oxidase from <i>Pyrococcus horikoshii</i> OT3. <i>Bulletin of the Korean Chemical Society</i> , <b>2009</b> , 30, 2984-2988	1.2	2
229	Studies of the structure of multiferric ion-bound lactoferrin: A new antianemic edible material. <i>International Dairy Journal</i> , <b>2008</b> , 18, 1051-1056	3.5	23
228	The role of mtDNA mutations in the pathogenesis of age-related hearing loss in mice carrying a mutator DNA polymerase gamma. <i>Neurobiology of Aging</i> , <b>2008</b> , 29, 1080-92	5.6	70

227	Spectroscopic and ITC study of the conformational change upon Ca <sup>2+</sup> -binding in TnC C-lobe and TnI peptide complex from Akazara scallop striated muscle. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 369, 109-14	3.4	4
226	Infrared spectroscopic study of the metal-coordination structures of calcium-binding proteins. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 369, 225-39	3.4	57
225	Separation and characterization of the colored material from sugarcane molasses. <i>Chemosphere</i> , <b>2008</b> , 71, 1730-7	8.4	22
224	Arabidopsis DREB2A-interacting proteins function as RING E3 ligases and negatively regulate plant drought stress-responsive gene expression. <i>Plant Cell</i> , <b>2008</b> , 20, 1693-707	11.6	361
223	Expansion of substrate specificity and catalytic mechanism of azoreductase by X-ray crystallography and site-directed mutagenesis. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 13889-96	5.4	52
222	Synergistic activation of the Arabidopsis NADPH oxidase AtrbohD by Ca <sup>2+</sup> and phosphorylation. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 8885-92	5.4	344
221	Proteinase inhibitor from ginkgo seeds is a member of the plant nonspecific lipid transfer protein gene family. <i>Plant Physiology</i> , <b>2008</b> , 146, 1909-19	6.6	34
220	Direct demonstration of the cross-bridge recovery stroke in muscle thick filaments in aqueous solution by using the hydration chamber. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 17396-401	11.5	34
219	Absolute side-chain structure at position 13 is required for the inhibitory activity of bromelain. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 36338-43	5.4	3
218	The dynein stalk head, the microtubule binding-domain of dynein: NMR assignment and ligand binding. <i>Journal of Biomolecular NMR</i> , <b>2008</b> , 41, 89-96	3	9
217	Structure of calcium-bound human S100A13 at pH 7.5 at 1.8 Å resolution. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2008</b> , 64, 70-6		9
216	Crystal structure of TTHA0303 (TT2238), a four-helix bundle protein with an exposed histidine triad from <i>Thermus thermophilus</i> HB8 at 2.0 Å. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2008</b> , 70, 1103-17	4.2	5
215	A unique catalytic triad revealed by the crystal structure of APE0912, a short-chain dehydrogenase/reductase family protein from <i>Aeropyrum pernix</i> K1. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2008</b> , 70, 1640-5	4.2	5
214	Crystal structure of the proline iminopeptidase-related protein TTHA1809 from <i>Thermus thermophilus</i> HB8. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2008</b> , 70, 1646-9	4.2	3
213	Crystal structure of STS042, a stand-alone RAM module protein, from hyperthermophilic archaeon <i>Sulfolobus tokodaii</i> strain 7. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2008</b> , 71, 1557-62	4.2	5
212	Crystal structure of TTHA1429, a novel metallo-beta-lactamase superfamily protein from <i>Thermus thermophilus</i> HB8. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2008</b> , 73, 1053-7	4.2	4
211	Crystal structure of hypothetical protein PH0734.1 from hyperthermophilic archaea <i>Pyrococcus horikoshii</i> OT3. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2008</b> , 73, 1068-71	4.2	2
210	Infrared spectroscopic study of the binding of divalent cations to Akazara scallop troponin C: the effect of the methylene side chain of glutamate residue. <i>Biopolymers</i> , <b>2008</b> , 89, 595-9	2.2	7

209	Structural characterisation of PinA WW domain and a comparison with other group IV WW domains, Pin1 and Ess1. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2008</b> , 1784, 1208-14	4	5
208	Investigation of chemical structure of nonprotein proteinase inhibitors from dried figs. <i>Food Chemistry</i> , <b>2008</b> , 107, 305-311	8.5	8
207	Reversible and irreversible coiled coils in the stalk domain of ncd motor protein. <i>Biochemistry</i> , <b>2007</b> , 46, 9523-32	3.2	9
206	Nondestructive quantification of organic compounds in whole milk without pretreatment by two-dimensional NMR spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 4307-11	5.7	84
205	Purification, characterization, and molecular gene cloning of an antifungal protein from Ginkgo biloba seeds. <i>Biological Chemistry</i> , <b>2007</b> , 388, 273-80	4.5	53
204	PinA from <i>Aspergillus nidulans</i> binds to pS/pT-P motifs using the same Loop I and XP groove as mammalian Pin1. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2007</b> , 1774, 1208-12	4	3
203	Cloning, expression, purification, crystallization and preliminary crystallographic analysis of selenomethionine-labelled KaiC-like protein PH0186 from <i>Pyrococcus horikoshii</i> OT3. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2007</b> , 63, 327-9		5
202	Crystallization and preliminary X-ray analysis of PH1010 from <i>Pyrococcus horikoshii</i> OT3, a member of the archaeal DUF54 family of proteins. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2007</b> , 63, 532-4		1
201	Crystallization and preliminary X-ray analysis of the Ca <sup>2+</sup> -bound C-terminal lobe of troponin C in complex with a troponin I-derived peptide fragment from Akazara scallop. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2007</b> , 63, 535-7		2
200	Crystallization and preliminary X-ray analysis of ginkbilobin-2 from Ginkgo biloba seeds: a novel antifungal protein with homology to the extracellular domain of plant cysteine-rich receptor-like kinases. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2007</b> , 63, 737-9		9
199	Crystal structure of an archaeal homologue of multidrug resistance repressor protein, EmrR, from hyperthermophilic archaea <i>Sulfolobus tokodaii</i> strain 7. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2007</b> , 67, 1138-46	4.2	19
198	Crystal structure of the PIN domain of human telomerase-associated protein EST1A. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2007</b> , 68, 980-9	4.2	22
197	Crystal structure of Dim2p: a preribosomal RNA processing factor, from <i>Pyrococcus horikoshii</i> OT3 at 2.30 Å. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2007</b> , 69, 428-32	4.2	4
196	Crystal structure of thioredoxin domain of ST2123 from thermophilic archaea <i>Sulfolobus tokodaii</i> strain 7. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2007</b> , 69, 204-8	4.2	6
195	Recombinant bovine zona pellucida glycoproteins ZP3 and ZP4 coexpressed in Sf9 cells form a sperm-binding active hetero-complex. <i>FEBS Journal</i> , <b>2007</b> , 274, 5390-405	5.7	20
194	Genes encoding mitochondrial respiratory chain components are profoundly down-regulated with aging in the cochlea of DBA/2J mice. <i>Brain Research</i> , <b>2007</b> , 1182, 26-33	3.7	31
193	Novel protein fold discovered in the PabI family of restriction enzymes. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 1908-18	20.1	45
192	Siamycin attenuates fsr quorum sensing mediated by a gelatinase biosynthesis-activating pheromone in <i>Enterococcus faecalis</i> . <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 1358-65	3.5	64

191	2P165 Nucleotide-dependent changes in the stability of the ncd coiled-coil stalk domain as monitored by FRET(Molecular motors,Oral Presentations). <i>Seibutsu Butsuri</i> , <b>2007</b> , 47, S154	0	
190	S06A5 Crystal structure and dsRNA cleavage activity of the RNase III domain of Dicer(Structural Biology of ncRNA Processing and Function). <i>Seibutsu Butsuri</i> , <b>2007</b> , 47, S9	0	
189	Caloric restriction suppresses apoptotic cell death in the mammalian cochlea and leads to prevention of presbycusis. <i>Neurobiology of Aging</i> , <b>2007</b> , 28, 1613-22	5.6	103
188	Homodimeric structure and double-stranded RNA cleavage activity of the C-terminal RNase III domain of human dicer. <i>Journal of Molecular Biology</i> , <b>2007</b> , 374, 106-20	6.5	66
187	Role of mitochondrial dysfunction and mitochondrial DNA mutations in age-related hearing loss. <i>Hearing Research</i> , <b>2007</b> , 226, 185-93	3.9	101
186	Improvement of 2Mhydroxybiphenyl-2-sulfinate desulfinate, an enzyme involved in the dibenzothiophene desulfurization pathway, from Rhodococcus erythropolis KA2-5-1 by site-directed mutagenesis. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2007</b> , 71, 2815-21	2.1	29
185	Structural and functional analysis of troponins from scallop striated and human cardiac muscles. <i>Advances in Experimental Medicine and Biology</i> , <b>2007</b> , 592, 163-73	3.6	2
184	Structural basis for calcium-regulated relaxation of striated muscles at interaction sites of troponin with actin and tropomyosin. <i>Advances in Experimental Medicine and Biology</i> , <b>2007</b> , 592, 71-86	3.6	8
183	Characterization of the acidic and basic limbs of a bell-shaped pH profile in the inhibitory activity of bromelain inhibitor VI. <i>Biopolymers</i> , <b>2006</b> , 81, 309-19	2.2	6
182	Fourier transform infrared spectroscopic study on the Ca <sup>2+</sup> -bound coordination structures of synthetic peptide analogues of the calcium-binding site III of troponin C. <i>Biopolymers</i> , <b>2006</b> , 82, 339-43	2.2	13
181	Expression and purification of active WW domains of FBP11/HYPA and FBP28/CA150. <i>Protein and Peptide Letters</i> , <b>2006</b> , 13, 197-201	1.9	6
180	Crystal structure and desulfurization mechanism of 2Mhydroxybiphenyl-2-sulfinic acid desulfinate. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 32534-9	5.4	35
179	Structure of FBP11 WW1-PL ligand complex reveals the mechanism of proline-rich ligand recognition by group II/III WW domains. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 40321-9	5.4	10
178	Three-dimensional structure of AzoR from Escherichia coli. An oxidoreductase conserved in microorganisms. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 20567-76	5.4	63
177	Crystal structures of the short-chain flavin reductase HpaC from Sulfolobus tokodaii strain 7 in its three states: NAD(P)(+)(-)-free, NAD(+)(-)-bound, and NADP(+)(-)-bound. <i>Biochemistry</i> , <b>2006</b> , 45, 5103-10	3.2	31
176	Coiled coil in the stalk region of ncd motor protein is nonlocally sustained. <i>Biochemistry</i> , <b>2006</b> , 45, 3315-24	3.4	6
175	Fourier transform infrared spectroscopic analysis of the intact zona pellucida of the mammalian egg: changes in the secondary structure of bovine zona pellucida proteins during fertilization. <i>Experimental Biology and Medicine</i> , <b>2006</b> , 231, 166-71	3.7	20
174	Crystallization and preliminary X-ray analysis of PH1566, a putative ribosomal RNA-processing factor from the hyperthermophilic archaeon Pyrococcus horikoshii OT3. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2006</b> , 62, 47-8		



173	Crystallization and preliminary X-ray analysis of the C-terminal RNase III domain of human Dicer. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2006</b> , 62, 402-4		2
172	Crystallization and preliminary X-ray analysis of the PIN domain of human EST1A. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2006</b> , 62, 656-8		5
171	Crystallization and preliminary X-ray analysis of CTP:phosphoethanolamine cytidyltransferase (ECT) from <i>Saccharomyces cerevisiae</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2006</b> , 62, 1003-5		3
170	Crystallization and preliminary X-ray analysis of human S100A13. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2006</b> , 62, 1144-6		1
169	Solution structure and binding specificity of FBP11/HYPA WW domain as Group-II/III. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2006</b> , 63, 227-34	4.2	13
168	Infrared spectroscopic study on Ca <sup>2+</sup> binding to Akazara scallop troponin C in comparison with peptide analogues of its Ca <sup>2+</sup> -binding Site IV. <i>Vibrational Spectroscopy</i> , <b>2006</b> , 42, 188-191	2.1	6
167	Conformational phase diagram of poly(L-lysine) in sodium alkanesulfonate aqueous solutions at various temperatures. <i>Colloid and Polymer Science</i> , <b>2006</b> , 284, 725-732	2.4	2
166	Temperature-induced chirality reversal of induced circular dichroism of premicellar aggregates of acridine orange derivatives and dodecanoyl-L-threonine in aqueous solution. <i>Colloid and Polymer Science</i> , <b>2006</b> , 284, 1453-1458	2.4	4
165	Crystal structure of the YjgF/YER057c/UK114 family protein from the hyperthermophilic archaeon <i>Sulfolobus tokodaii</i> strain 7. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2006</b> , 62, 557-61	4.2	13
164	Discovery of a novel restriction endonuclease by genome comparison and application of a wheat-germ-based cell-free translation assay: PabI (5MGTA/C) from the hyperthermophilic archaeon <i>Pyrococcus abyssi</i> . <i>Nucleic Acids Research</i> , <b>2005</b> , 33, e112	20.1	67
163	Mitochondrial DNA mutations, oxidative stress, and apoptosis in mammalian aging. <i>Science</i> , <b>2005</b> , 309, 481-4	33.3	1573
162	Structural basis for Ca <sup>2+</sup> -regulated muscle relaxation at interaction sites of troponin with actin and tropomyosin. <i>Journal of Molecular Biology</i> , <b>2005</b> , 352, 178-201	6.5	98
161	Atomically detailed description of the unfolding of alpha-lactalbumin by the combined use of experiments and simulations. <i>Journal of Molecular Biology</i> , <b>2005</b> , 354, 164-72	6.5	9
160	Stalk region of kinesin-related protein Unc104 has moderate ability to form coiled-coil dimer. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 337, 868-74	3.4	10
159	Drastic Ca <sup>2+</sup> sensitization of myofilament associated with a small structural change in troponin I in inherited restrictive cardiomyopathy. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 338, 1519-26	3.4	65
158	Functional importance of Ca <sup>2+</sup> -deficient N-terminal lobe of molluscan troponin C in troponin regulation. <i>Archives of Biochemistry and Biophysics</i> , <b>2005</b> , 436, 83-90	4.1	9
157	Crystal structure of monomeric sarcosine oxidase from <i>Bacillus</i> sp. NS-129 reveals multiple conformations at the active-site loop. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>2005</b> , 81, 220-224	4	9
156	Crystal structure of azoreductase AzoR from <i>Escherichia coli</i> . <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>2005</b> , 81, 225-228	4	4



155	Crystal structure of the short-chain flavin reductase HpaC from <i>Sulfolobus tokodaii</i> strain 7. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>2005</b> , 81, 229-232	4	
154	A proposed catalytic mechanism of aspergilloglutamic peptidase from <i>Aspergillus niger</i> . <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>2005</b> , 81, 441-446	4	7
153	Effects of ionization on chemical shifts of the surrounding protons of bromelain inhibitor VI. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>2005</b> , 81, 454-458	4	
152	Crystal structure of glutamine amidotransferase from <i>Pyrococcus horikoshii</i> OT3. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>2005</b> , 81, 459-462	4	2
151	Purification and characterization of a novel prolyl endopeptidase from <i>Aspergillus niger</i> . <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>2005</b> , 81, 447-453	4	11
150	Antihypertensive peptides from skimmed milk hydrolysate digested by cell-free extract of <i>Lactobacillus helveticus</i> JCM1004. <i>Food Chemistry</i> , <b>2005</b> , 91, 123-129	8.5	93
149	Comparative study of catechin compositions in five Japanese persimmons (). <i>Food Chemistry</i> , <b>2005</b> , 93, 149-152	8.5	70
148	Purification and gene cloning of <i>Fundulus heteroclitus</i> hatching enzyme. A hatching enzyme system composed of high choriolytic enzyme and low choriolytic enzyme is conserved between two different teleosts, <i>Fundulus heteroclitus</i> and medaka <i>Oryzias latipes</i> . <i>FEBS Journal</i> , <b>2005</b> , 272, 4315-26	5.7	36
147	Comparative studies on the functional roles of N- and C-terminal regions of molluscan and vertebrate troponin-I. <i>FEBS Journal</i> , <b>2005</b> , 272, 4475-86	5.7	24
146	Preliminary X-ray crystallographic analysis of thermolysin in the presence of 4 M NaCl. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2005</b> , 61, 710-2		4
145	Crystallization and preliminary X-ray analysis of AzoR (azoreductase) from <i>Escherichia coli</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2005</b> , 61, 399-402		8
144	Crystallization and preliminary X-ray analysis of the YjgF/YER057c/UK114-family protein ST0811 from <i>Sulfolobus tokodaii</i> strain 7. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2005</b> , 61, 828-30		3
143	Crystal structure and structural stability of acylphosphatase from hyperthermophilic archaeon <i>Pyrococcus horikoshii</i> OT3. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2005</b> , 61, 196-205	4.2	15
142	Recombinant porcine zona pellucida glycoproteins expressed in Sf9 cells bind to bovine sperm but not to porcine sperm. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 20189-96	5.4	29
141	Susceptibility of the interchain peptide of a bromelain inhibitor precursor to the target proteases bromelain, chymotrypsin, and trypsin. <i>Biological Chemistry</i> , <b>2005</b> , 386, 491-8	4.5	5
140	Common mechanism of ligand recognition by group II/III WW domains: redefining their functional classification. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 31833-41	5.4	53
139	<sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N assignments of the tandem WW domains of human MAGI-1/BAP-1. <i>Journal of Biomolecular NMR</i> , <b>2004</b> , 29, 539-40	3	
138	<sup>1</sup> H, <sup>13</sup> C, <sup>15</sup> N resonance assignments of the cytokine LECT2. <i>Journal of Biomolecular NMR</i> , <b>2004</b> , 29, 543-4		1

137	Backbone (1)H, (13)C and (15)N resonance assignment of the N-terminal domain of human eRF1. <i>Journal of Biomolecular NMR</i> , <b>2004</b> , 30, 109-10	3	2
136	Crystallization and preliminary X-ray analysis of HCE-1, a hatching enzyme of medaka fish, <i>Oryzias latipes</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2004</b> , 60, 725-6		9
135	Cloning, purification, crystallization and preliminary crystallographic analysis of acylphosphatase from <i>Pyrococcus horikoshii</i> OT3. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2004</b> , 60, 1135-6		3
134	Crystallization and preliminary X-ray crystallographic analysis of peptide deformylase from <i>Thermus thermophilus</i> HB8. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2004</b> , 60, 1299-300		2
133	Crystallization and preliminary X-ray analysis of carboxypeptidase 1 from <i>Thermus thermophilus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2004</b> , 60, 1445-6		2
132	Crystallization and preliminary X-ray analyses of desulfurization enzyme DszB and its C27S mutant complexed with biphenyl-2-sulfinic acid. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2004</b> , 60, 1636-8		11
131	Fourier transform infrared spectroscopic study on the binding of Mg <sup>2+</sup> to a mutant Akazara scallop troponin C (E142Q). <i>Biopolymers</i> , <b>2004</b> , 74, 77-81	2.2	15
130	Purification and characterization of an aminopeptidase from <i>Lactobacillus helveticus</i> JCM 1004. <i>Food Chemistry</i> , <b>2004</b> , 88, 511-516	8.5	11
129	Specificity of the synergistic anion for iron binding by ferric binding protein from <i>Neisseria gonorrhoeae</i> . <i>Biochemistry</i> , <b>2004</b> , 43, 9195-203	3.2	12
128	Nondestructive observation of bovine milk by NMR spectroscopy: analysis of existing States of compounds and detection of new compounds. <i>Journal of Agricultural and Food Chemistry</i> , <b>2004</b> , 52, 4969-74	5.7	61
127	Crystal structure of the terminal oxygenase component of biphenyl dioxygenase derived from <i>Rhodococcus</i> sp. strain RHA1. <i>Journal of Molecular Biology</i> , <b>2004</b> , 342, 1041-52	6.5	127
126	The three-dimensional structure of aspergilloglutamic peptidase from <i>Aspergillus niger</i> . <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>2004</b> , 80, 435-438	4	12
125	Identification of arginine residues important for the activity of <i>Escherichia coli</i> signal peptidase I. <i>Biological Chemistry</i> , <b>2004</b> , 385, 381-8	4.5	3
124	Crystal structure of acylphosphatase from hyperthermophilic archaeon <i>Pyrococcus horikoshii</i> OT3. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>2004</b> , 80, 439-442	4	
123	Metal-free and Ca <sup>2+</sup> -bound structures of a multidomain EF-hand protein, CBP40, from the lower eukaryote <i>Physarum polycephalum</i> . <i>Structure</i> , <b>2003</b> , 11, 75-85	5.2	8
122	Type I restriction enzyme with RecA protein promotes illegitimate recombination. <i>Plasmid</i> , <b>2003</b> , 50, 202-12	3.3	3
121	Multiplication of a restriction-modification gene complex. <i>Molecular Microbiology</i> , <b>2003</b> , 48, 417-27	4.1	26
120	Multiple parallel-pathway folding of proline-free <i>Staphylococcal</i> nuclease. <i>Journal of Molecular Biology</i> , <b>2003</b> , 332, 1143-53	6.5	40

119	Three-dimensional solution structure of an archaeal FKBP with a dual function of peptidyl prolyl cis-trans isomerase and chaperone-like activities. <i>Journal of Molecular Biology</i> , <b>2003</b> , 328, 1149-60	6.5	56
118	Kinetic studies of unfolding process of aspergillopepsin II by pH-jump methods. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 301, 745-50	3.4	2
117	Expression, oxidative refolding, and characterization of six-histidine-tagged recombinant human LECT2, a 16-kDa chemotactic protein with three disulfide bonds. <i>Protein Expression and Purification</i> , <b>2003</b> , 27, 272-8	2	13
116	Nuclear magnetic resonance studies on the pKa values and interaction of ionizable groups in bromelain inhibitor VI from pineapple stem. <i>Biological Chemistry</i> , <b>2003</b> , 384, 93-104	4.5	7
115	Determination of the NMR structure of Gln25-ribonuclease T1. <i>Biological Chemistry</i> , <b>2003</b> , 384, 1173-83	4.5	6
114	The solution structure of molt-inhibiting hormone from the Kuruma prawn <i>Marsupenaeus japonicus</i> . <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 9620-3	5.4	70
113	Determinants of Ligand Specificity in Groups I and IV WW domains <b>2003</b> , 31-35		
112	Research on Biological Machinery of Bioluminescence.. <i>Nihon Kessho Gakkaishi</i> , <b>2003</b> , 45, 66-70	0	
111	NMR structural study of troponin C C-terminal domain complexed with troponin I fragment from Akazara scallop. <i>Advances in Experimental Medicine and Biology</i> , <b>2003</b> , 538, 195-200; discussion 201	3.6	8
110	The effect of amphiphilic additives on the growth and morphology of <i>Aspergillus niger</i> acid proteinase A crystals. <i>Journal of Crystal Growth</i> , <b>2002</b> , 234, 247-254	1.6	12
109	Determinants of ligand specificity in groups I and IV WW domains as studied by surface plasmon resonance and model building. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 10173-7	5.4	41
108	Structure-function relationship of bromelain iso inhibitors from pineapple stem. <i>Biological Chemistry</i> , <b>2002</b> , 383, 1151-6	4.5	12
107	Characterization of genomic sequence coding for bromelain inhibitors in pineapple and expression of its recombinant isoform. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 28222-7	5.4	14
106	Effect of the DNA topoisomerase II inhibitor VP-16 on illegitimate recombination in yeast chromosomes. <i>Gene</i> , <b>2002</b> , 291, 251-7	3.8	14
105	Coordination structures of Ca <sup>2+</sup> and Mg <sup>2+</sup> in Akazara scallop troponin C in solution. FTIR spectroscopy of side-chain COO <sup>-</sup> groups. <i>FEBS Journal</i> , <b>2001</b> , 268, 6284-90		35
104	JAACT Issue. Preface. <i>Cytotechnology</i> , <b>2001</b> , 35, 1	2.2	
103	The three-dimensional structure of septum site-determining protein MinD from <i>Pyrococcus horikoshii</i> OT3 in complex with Mg-ADP. <i>Structure</i> , <b>2001</b> , 9, 817-26	5.2	56
102	Structure and site-directed mutagenesis of a flavoprotein from <i>Escherichia coli</i> that reduces nitrocompounds: alteration of pyridine nucleotide binding by a single amino acid substitution. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 2816-23	5.4	76

101	Crystallographer's Challenge in the 21st Century. 3. Frontier of Protein Crystallography. Frontiers of Protein-Crystallography Studies of Biological Machineries.. <i>Nihon Kessho Gakkaishi</i> , <b>2001</b> , 43, 38-44	0	
100	Rapid determination of parvalbumin amino acid sequence from <i>Rana catesbeiana</i> (pI 4.78) by combination of ESI mass spectrometry, protein sequencing, and amino acid analysis. <i>Journal of Biochemistry</i> , <b>2000</b> , 127, 723-9	3.1	8
99	Characterization of native and recombinant peptidyl prolyl cis-trans isomerases derived from <i>Methanococcus thermolithotrophicus</i> based on cDNA sequence. <i>Electrophoresis</i> , <b>2000</b> , 21, 1733-9	3.6	3
98	Assignment of <sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N resonances of FKBP. from <i>Methanococcus thermolithotrophicus</i> . <i>Journal of Biomolecular NMR</i> , <b>2000</b> , 17, 183-4	3	1
97	On the tryptophan residue of smooth muscle myosin that responds to binding of nucleotide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 11203-8	11.5	18
96	pH-dependent unfolding of aspergillopepsin II studied by small-angle X-ray scattering. <i>Biochemistry</i> , <b>2000</b> , 39, 1364-72	3.2	34
95	Three-dimensional solution structure of oryzacystatin-I, a cysteine proteinase inhibitor of the rice, <i>Oryza sativa</i> L. japonica. <i>Biochemistry</i> , <b>2000</b> , 39, 14753-60	3.2	97
94	Gene organization for nitric oxide reduction in <i>Alcaligenes faecalis</i> S-6. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2000</b> , 64, 852-7	2.1	9
93	Crystallization and preliminary crystallographic analysis of major nitroreductase from <i>Escherichia coli</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>1999</b> , 55, 1901-2		2
92	Molecular cloning of the Lon protease gene from <i>Thermus thermophilus</i> HB8 and characterization of its gene product. <i>FEBS Journal</i> , <b>1999</b> , 266, 811-9		10
91	Crystal growth and solubility studies of <i>Aspergillus niger</i> acid proteinase A in the presence of both a salt and an organic solvent. <i>Journal of Crystal Growth</i> , <b>1999</b> , 196, 291-296	1.6	3
90	Gene structure and amino acid sequence of <i>Latimeria chalumnae</i> (coelacanth) myelin DM20: phylogenetic relation of the fish. <i>Neurochemical Research</i> , <b>1999</b> , 24, 867-73	4.6	12
89	A phosphorus-31 nuclear magnetic resonance study on the complex of chicken gizzard myosin subfragment 1 with adenosine diphosphate <b>1999</b> , 190, 75-78		7
88	Kinetic and mutation analyses of aspartate kinase from <i>Thermus flavus</i> . <i>Journal of Bioscience and Bioengineering</i> , <b>1999</b> , 87, 739-45	3.3	5
87	Crystallization and preliminary X-ray diffraction studies of a 40 kDa calcium binding protein specifically expressed in plasmodia of <i>Physarum polycephalum</i> . <i>Journal of Biochemistry</i> , <b>1999</b> , 126, 7-9	3.1	3
86	Aspartate kinase-independent lysine synthesis in an extremely thermophilic bacterium, <i>Thermus thermophilus</i> : lysine is synthesized via alpha-aminoadipic acid not via diaminopimelic acid. <i>Journal of Bacteriology</i> , <b>1999</b> , 181, 1713-8	3.5	64
85	A phosphorus-31 nuclear magnetic resonance study on the complex of chicken gizzard myosin subfragment 1 with adenosine diphosphate <b>1999</b> , 75-78		
84	A panel set for epitope analysis of myeloperoxidase (MPO)-specific antineutrophil cytoplasmic antibody MPO-ANCA using recombinant hexamer histidine-tagged MPO deletion mutants. <i>Journal of Clinical Immunology</i> , <b>1998</b> , 18, 142-52	5.7	28

83	Evidence for existence of multiple conformations of kinesin and ncd motor domains in solution revealed by 31P-NMR of the tightly bound ADP. <i>FEBS Journal</i> , <b>1998</b> , 257, 466-71		6
82	Purification and characterization of NfrA1, a <i>Bacillus subtilis</i> nitro/flavin reductase capable of interacting with the bacterial luciferase. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>1998</b> , 62, 1978-87	2.1	37
81	1.8 Å crystal structure of the major NAD(P)H:FMN oxidoreductase of a bioluminescent bacterium, <i>Vibrio fischeri</i> : overall structure, cofactor and substrate-analog binding, and comparison with related flavoproteins. <i>Journal of Molecular Biology</i> , <b>1998</b> , 280, 259-73	6.5	74
80	Substrate specificity of non-pepsin-type acid proteinase, <i>Aspergillus niger</i> proteinase A. <i>Advances in Experimental Medicine and Biology</i> , <b>1998</b> , 436, 345-8	3.6	2
79	Crystallization and preliminary X-ray diffraction studies of a rice cysteine proteinase inhibitor, Oryzacystatin-I. <i>Journal of Biochemistry</i> , <b>1998</b> , 123, 568-70	3.1	1
78	The amino acid sequences of isoforms of the bromelain inhibitor from pineapple stem. <i>Journal of Biochemistry</i> , <b>1998</b> , 124, 457-61	3.1	11
77	Conversion of NfsA, the major <i>Escherichia coli</i> nitroreductase, to a flavin reductase with an activity similar to that of Frp, a flavin reductase in <i>Vibrio harveyi</i> , by a single amino acid substitution. <i>Journal of Bacteriology</i> , <b>1998</b> , 180, 422-5	3.5	36
76	Crystallization and Preliminary Crystallographic Studies of Dimethyl Sulfoxide Reductase from <i>Rhodobacter sphaeroides</i> f. sp. <i>denitrificans</i> .. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>1997</b> , 73, 30-32	4	1
75	Modulation of actin filament sliding by mutations of the SH2 cysteine in <i>Dictyostelium</i> myosin II. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 234, 701-6	3.4	12
74	Crystallization and preliminary crystallographic analysis of the sarcosine oxidase from <i>Bacillus</i> sp. NS-129. <i>Journal of Structural Biology</i> , <b>1997</b> , 120, 109-11	3.4	2
73	Hydrolysis of AMPPNP by the motor domain of ncd, a kinesin-related protein. <i>FEBS Letters</i> , <b>1997</b> , 409, 29-32	3.8	13
72	Preparation of recombinant six-histidine-tagged human LECT2, a chemotactic protein to neutrophils, in <i>Escherichia coli</i> . <i>Cytotechnology</i> , <b>1997</b> , 25, 235-8	2.2	5
71	Crystal structure of ribonuclease T1 carboxymethylated at Glu58 in complex with 2MGMP. <i>Biochemistry</i> , <b>1996</b> , 35, 8329-34	3.2	7
70	Solution structure of bromelain inhibitor IV from pineapple stem: structural similarity with Bowman-Birk trypsin/chymotrypsin inhibitor from soybean. <i>Biochemistry</i> , <b>1996</b> , 35, 5379-84	3.2	34
69	Site-directed mutagenesis of azurin from <i>Pseudomonas aeruginosa</i> enhances the formation of an electron-transfer complex with a copper-containing nitrite reductase from <i>Alcaligenes faecalis</i> S-6. <i>FEBS Letters</i> , <b>1996</b> , 394, 87-90	3.8	23
68	Crystallization and preliminary crystallographic analysis of the major NAD(P)H: FMN oxidoreductase of <i>Vibrio fischeri</i> ATCC 7744. <i>Journal of Structural Biology</i> , <b>1996</b> , 117, 70-2	3.4	6
67	Enhancement of the turnover number of thermostable malate dehydrogenase by deleting hydrogen bonds around the catalytic site. <i>Biochemical and Biophysical Research Communications</i> , <b>1996</b> , 225, 844-8	3.4	8
66	Conversion of NfsB, a minor <i>Escherichia coli</i> nitroreductase, to a flavin reductase similar in biochemical properties to FRase I, the major flavin reductase in <i>Vibrio fischeri</i> , by a single amino acid substitution. <i>Journal of Bacteriology</i> , <b>1996</b> , 178, 4731-3	3.5	44



65	Studies on protein-protein interaction between copper-containing nitrite reductase and pseudoazurin from <i>Alcaligenes faecalis</i> S-6. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 13680-3	5.4	49
64	Gene cloning, purification, and characterization of NfsB, a minor oxygen-insensitive nitroreductase from <i>Escherichia coli</i> , similar in biochemical properties to FRase I, the major flavin reductase in <i>Vibrio fischeri</i> . <i>Journal of Biochemistry</i> , <b>1996</b> , 120, 736-44	3.1	119
63	Tertiary Structure Comparison of Bromelain Inhibitor VI from Pineapple Stem with Bovine Pancreatic Trypsin Inhibitor.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>1996</b> , 72, 104-107	4	7
62	Biochemical characterization of NfsA, the <i>Escherichia coli</i> major nitroreductase exhibiting a high amino acid sequence homology to Frp, a <i>Vibrio harveyi</i> flavin oxidoreductase. <i>Journal of Bacteriology</i> , <b>1996</b> , 178, 4508-14	3.5	154
61	Structural characterization of the N-linked carbohydrate chains of the zona pellucida glycoproteins from bovine ovarian and fertilized eggs. <i>FEBS Journal</i> , <b>1996</b> , 240, 448-53		39
60	Phase diagram of crystallization of <i>Aspergillus niger</i> acid proteinase A, a non-pepsin-type acid proteinase. <i>Journal of Crystal Growth</i> , <b>1996</b> , 168, 118-123	1.6	4
59	Crystallization and preliminary X-ray analysis of brazzein, a new sweet protein. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>1996</b> , 52, 577-8		6
58	Differential scanning calorimetric studies of the thermal unfolding of acid proteinase A from <i>Aspergillus niger</i> at various pHs. <i>Thermochimica Acta</i> , <b>1995</b> , 267, 373-378	2.9	8
57	Effects of replacement of Lys25 with Gln on the conformation of ribonuclease T1: sequence-specific <sup>1</sup> H NMR resonance assignments of Gln25 ribonuclease T1 by two-dimensional NMR spectroscopy. <i>Journal of Biochemistry</i> , <b>1995</b> , 118, 710-6	3.1	2
56	Conformation analysis of non-pepsin-type acid proteinase A from the fungus <i>Aspergillus niger</i> by NMR. <i>Advances in Experimental Medicine and Biology</i> , <b>1995</b> , 362, 611-5	3.6	
55	Structure of <i>Alcaligenes faecalis</i> nitrite reductase and a copper site mutant, M150E, that contains zinc. <i>Biochemistry</i> , <b>1995</b> , 34, 12107-17	3.2	92
54	Primary Structure, Sequence-Specific <sup>1</sup> H-NMR Assignments and Secondary Structure in Solution of Bromelain Inhibitor VI from Pineapple Stem. <i>FEBS Journal</i> , <b>1995</b> , 232, 335-343		14
53	A comparative study of the binding effects of Mg <sup>2+</sup> , Ca <sup>2+</sup> , Sr <sup>2+</sup> , and Cd <sup>2+</sup> on calmodulin by fourier-transform infrared spectroscopy. <i>Biospectroscopy</i> , <b>1995</b> , 1, 47-54		30
52	X-ray crystallographic study of a non-pepsin-type acid proteinase, <i>Aspergillus niger</i> proteinase A. <i>Advances in Experimental Medicine and Biology</i> , <b>1995</b> , 362, 605-9	3.6	2
51	UV-laser-induced changes in the infrared spectrum of calmodulin in the presence of a photosensitive Ca <sup>2+</sup> chelator. <i>Journal of Molecular Structure</i> , <b>1994</b> , 324, 107-112	3.4	5
50	Infrared studies of interaction between metal ions and Ca(2+)-binding proteins. Marker bands for identifying the types of coordination of the side-chain COO- groups to metal ions in pike parvalbumin (pI = 4.10). <i>FEBS Letters</i> , <b>1994</b> , 349, 84-8	3.8	81
49	Thermal stabilization of ribonuclease T1 by carboxymethylation at Glu-58 as revealed by <sup>1</sup> H nuclear magnetic resonance spectroscopy. <i>FEBS Letters</i> , <b>1994</b> , 351, 389-92	3.8	4
48	A new crystal form of proteinase A, a non-pepsin-type acid proteinase from <i>Aspergillus niger</i> var. <i>macrosporus</i> . <i>Journal of Biochemistry</i> , <b>1993</b> , 114, 457-8	3.1	8



47	Complexes of myosin subfragment 1 with pyrophosphate and with adenosine diphosphate as studied by phosphorus-31 nuclear magnetic resonance. <i>Journal of Biochemistry</i> , <b>1993</b> , 113, 19-21	3.1	13
46	Crystallization and preliminary X-ray investigation of proteinase A, a non-pepsin-type acid proteinase from <i>Aspergillus niger</i> var. <i>macrosporus</i> . <i>Journal of Molecular Biology</i> , <b>1992</b> , 223, 373-5	6.5	12
45	Preparation and characterization of troponin C from bullfrog skeletal muscle. <i>Journal of Biochemistry</i> , <b>1992</b> , 112, 800-3	3.1	7
44	Protein sequence determination by ESI-MS and LSI-MS tandem mass spectrometry: parvalbumin primary structures from cat, gerbil and monkey skeletal muscle. <i>BBA - Proteins and Proteomics</i> , <b>1992</b> , 1160, 1-7		8
43	Effect of Dimethylsulfoxide on the Crystallization of <i>Aspergillus niger</i> Proteinase A.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>1991</b> , 67, 209-212	4	4
42	Fourier-transform infrared and circular dichroism studies on temperature dependence of the secondary structure of troponin C from bullfrog skeletal muscle. <i>Canadian Journal of Chemistry</i> , <b>1991</b> , 69, 1679-1684	0.9	8
41	Structure and function of a pepstatin-insensitive acid proteinase from <i>Aspergillus niger</i> var. <i>Macrosporus</i> . <i>Advances in Experimental Medicine and Biology</i> , <b>1991</b> , 306, 203-11	3.6	16
40	Calorimetric studies on calcium and magnesium binding by troponin C from bullfrog skeletal muscle. <i>Journal of Biochemistry</i> , <b>1990</b> , 107, 127-32	3.1	14
39	Heat capacity and entropy changes of the major isotype of the toad ( <i>Bufo</i> ) parvalbumin induced by calcium binding. <i>FEBS Journal</i> , <b>1990</b> , 188, 23-8		5
38	Heat capacity and entropy changes of troponin C from bullfrog skeletal muscle induced by calcium binding. <i>FEBS Journal</i> , <b>1990</b> , 192, 275-81		9
37	Purification and characterization of the parvalbumin from monkey skeletal muscle. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , <b>1990</b> , 96, 665-9		1
36	The complete amino acid sequence of bullfrog ( <i>Rana catesbeiana</i> ) parvalbumin pI4.97. <i>FEBS Letters</i> , <b>1990</b> , 268, 249-51	3.8	5
35	Temperature Dependences Of The Infrared And Circular Dichroism Spectra Of Ribonuclease A And Troponin C <b>1989</b> , 1145, 269		
34	Potentiometric studies on calcium and magnesium binding by bullfrog skeletal muscle troponin C. Effect of proton on binding of calcium and magnesium.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>1989</b> , 65, 215-218	4	0
33	Potentiometric studies on calcium and magnesium binding by bullfrog skeletal muscle troponin C. Potentiometric titration curves.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>1989</b> , 65, 211-214	4	
32	Phosphorus nuclear magnetic resonance studies on the effect of duration of contraction in bull-frog skeletal muscles. <i>Journal of Physiology</i> , <b>1988</b> , 407, 243-61	3.9	20
31	Time-resolved <sup>31</sup> P-NMR studies on contraction and recovery of bullfrog sartorius muscles. An improved system for physiological measurements.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>1988</b> , 64, 278-281	4	
30	Time-resolved <sup>31</sup> P-NMR studies on contraction and recovery of bullfrog sartorius muscles. A post-contractile increase in NMR-visible phosphates.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>1988</b> , 64, 282-286	4	

29	Time-resolved $^{31}\text{P}$ -NMR studies on contraction and recovery of bullfrog sartorius muscles. Mechanism of post-contraction increase in NMR-visible phosphates.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>1988</b> , 64, 287-289	4	
28	Preparation and characterization of the major isotype of parvalbumin from skeletal muscle of the toad ( <i>Bufo bufo japonicus</i> ). <i>Journal of Biochemistry</i> , <b>1987</b> , 102, 1133-9	3.1	8
27	Heat capacity and entropy changes of the two major isotypes of bullfrog ( <i>Rana catesbeiana</i> ) parvalbumins induced by calcium binding. <i>Biochemistry</i> , <b>1987</b> , 26, 7668-74	3.2	18
26	Kinetic studies of calcium binding to parvalbumins from bullfrog skeletal muscle. <i>Journal of Biochemistry</i> , <b>1986</b> , 99, 81-9	3.1	24
25	A calorimetric study of $\text{Ca}^{2+}$ binding by the parvalbumin of the toad ( <i>Bufo</i> ): distinguishable binding sites in the molecule. <i>FEBS Letters</i> , <b>1986</b> , 209, 77-82	3.8	22
24	Preparation and characterization of two major isotypes of parvalbumins from skeletal muscle of bullfrog ( <i>Rana catesbeiana</i> ). <i>Journal of Biochemistry</i> , <b>1986</b> , 99, 1211-8	3.1	10
23	Steady-state properties of calcium binding to parvalbumins from bullfrog skeletal muscle: effects of $\text{Mg}^{2+}$ , pH, ionic strength, and temperature. <i>Journal of Biochemistry</i> , <b>1986</b> , 99, 73-80	3.1	25
22	A calorimetric study of $\text{Ca}^{2+}$ binding to two major isotypes of bullfrog parvalbumin. <i>FEBS Letters</i> , <b>1985</b> , 185, 165-9	3.8	20
21	Calcium binding to calmodulin: effects of ionic strength, $\text{Mg}^{2+}$ , pH and temperature. <i>Journal of Biochemistry</i> , <b>1984</b> , 95, 19-28	3.1	86
20	Changes in intracellular pH and inorganic phosphate concentration during and after muscle contraction as studied by time-resolved $^{31}\text{P}$ -NMR. Alkalinization by contraction. <i>FEBS Letters</i> , <b>1984</b> , 171, 165-8	3.8	14
19	$^{31}\text{P}$ -nuclear magnetic resonance studies of intact plasmodia of <i>Physarum polycephalum</i> . <i>FEBS Letters</i> , <b>1984</b> , 176, 161-165	3.8	13
18	A 26K fragment of troponin T from rabbit skeletal muscle. <i>Journal of Biochemistry</i> , <b>1984</b> , 95, 1337-42	3.1	33
17	Interactions among chymotryptic troponin T subfragments, tropomyosin, troponin I and troponin C. <i>Journal of Biochemistry</i> , <b>1984</b> , 95, 1417-21	3.1	17
16	Heat capacity and entropy changes of calmodulin induced by calcium binding. <i>Journal of Biochemistry</i> , <b>1984</b> , 95, 643-9	3.1	48
15	$^1\text{H}$ -Nuclear magnetic resonance study on imidazole-imidazole interaction in L-histidyl-L-histidine and D-histidyl-L-histidine: Analysis including microscopic dissociation series. <i>Biopolymers</i> , <b>1983</b> , 22, 2563-2576	2.2	4
14	A calorimetric study of $\text{Ca}^{2+}$ - and $\text{Mg}^{2+}$ -binding by calmodulin. <i>Journal of Biochemistry</i> , <b>1983</b> , 94, 607-9	3.1	32
13	$^1\text{H}$ nuclear magnetic resonance titration curves and microenvironments of aromatic residues in bovine pancreatic ribonuclease A. <i>Journal of Biochemistry</i> , <b>1983</b> , 94, 51-62	3.1	29
12	Chymotryptic subfragments of troponin T from rabbit skeletal muscle. Interaction with tropomyosin, troponin I and troponin C. <i>Journal of Biochemistry</i> , <b>1983</b> , 93, 331-7	3.1	83

11	1H-NMR study on the tautomerism of the imidazole ring of histidine residues. I. Microscopic pK values and molar ratios of tautomers in histidine-containing peptides. <i>BBA - Proteins and Proteomics</i> , <b>1983</b> , 742, 576-85		103
10	1H-NMR study on the tautomerism of the imidazole ring of histidine residues. II. Microenvironments of histidine-12 and histidine-119 of bovine pancreatic ribonuclease A. <i>BBA - Proteins and Proteomics</i> , <b>1983</b> , 742, 586-96		44
9	Post-contractile phosphocreatine splitting in muscle as revealed by time-resolved 31P nuclear magnetic resonance. <i>The Japanese Journal of Physiology</i> , <b>1983</b> , 33, 909-19		12
8	Chymotryptic subfragments of troponin T from rabbit skeletal muscle. I. Determination of the primary structure. <i>Journal of Biochemistry</i> , <b>1982</b> , 91, 1257-65	3.1	25
7	Location of troponin I-binding on troponin T sequence. <i>FEBS Letters</i> , <b>1982</b> , 145, 147-9	3.8	4
6	Primary structure of chymotryptic subfragments from rabbit skeletal troponin T. <i>Journal of Biochemistry</i> , <b>1981</b> , 90, 263-5	3.1	12
5	NMR STUDY ON THE PROTONATION OF IMIDAZOLE RING OFN-ACETYL-L-HISTIDINE METHYLAMIDE, A MODEL FOR HISTIDINE RESIDUES EXPOSED TO AQUEOUS SOLVENT. <i>Chemistry Letters</i> , <b>1978</b> , 7, 739-742	1.7	25
4	1H nuclear magnetic resonance studies of histidine-containing di- and tripeptides. Estimation of the effects of charged groups on the pKa value of the imidazole ring. <i>Biopolymers</i> , <b>1976</b> , 15, 393-401	2.2	96
3	Application of Liquid Cell Microscopy to Study Function of Muscle Proteins371-390		
2	Comparison of explosion puffing drying with other methods on the physicochemical properties and volatiles of yam ( <i>Dioscorea opposita thunb.</i> ) chips through multivariate analysis. <i>Drying Technology</i> ,1-16	2.6	1
1	NMR-Based Metabolomics of Foods379-387		2