

Susumu Uchiyama

List of Publications by Year in descending order

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206
papers

7,134
citations

57758

44
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85541

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docs citations

214
times ranked

9233
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Analysis Reveals that Toll-like Receptor 7 Is a Dual Receptor for Guanosine and Single-Stranded RNA. <i>Immunity</i> , 2016, 45, 737-748.	14.3	321
2	Structural basis of CpG and inhibitory DNA recognition by Toll-like receptor 9. <i>Nature</i> , 2015, 520, 702-705.	27.8	290
3	Target Antigen Density Governs the Efficacy of Anti-CD20-CD28-CD3 ζ Chimeric Antigen Receptor-Modified Effector CD8+ T Cells. <i>Journal of Immunology</i> , 2015, 194, 911-920.	0.8	228
4	Protein encapsulation within synthetic molecular hosts. <i>Nature Communications</i> , 2012, 3, 1093.	12.8	208
5	Haem-dependent dimerization of PGRMC1/Sigma-2 receptor facilitates cancer proliferation and chemoresistance. <i>Nature Communications</i> , 2016, 7, 11030.	12.8	153
6	Structural basis for semaphorin signalling through the plexin receptor. <i>Nature</i> , 2010, 467, 1123-1127.	27.8	144
7	SuperNova, a monomeric photosensitizing fluorescent protein for chromophore-assisted light inactivation. <i>Scientific Reports</i> , 2013, 3, 2629.	3.3	132
8	Behavior of Monoclonal Antibodies: Relation Between the Second Virial Coefficient (B_2) at Low Concentrations and Aggregation Propensity and Viscosity at High Concentrations. <i>Pharmaceutical Research</i> , 2012, 29, 397-410.	3.5	131
9	Effects of Syringe Material and Silicone Oil Lubrication on the Stability of Pharmaceutical Proteins. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 527-535.	3.3	125
10	Structure of IZUMO1-JUNO reveals sperm-oocyte recognition during mammalian fertilization. <i>Nature</i> , 2016, 534, 566-569.	27.8	118
11	Phase Separation of an IgG1 Antibody Solution under a Low Ionic Strength Condition. <i>Pharmaceutical Research</i> , 2010, 27, 1348-1360.	3.5	115
12	Proteome Analysis of Human Metaphase Chromosomes. <i>Journal of Biological Chemistry</i> , 2005, 280, 16994-17004.	3.4	114
13	Nucleolin functions in nucleolus formation and chromosome congression. <i>Journal of Cell Science</i> , 2007, 120, 2091-2105.	2.0	112
14	The Arabidopsis SDG4 contributes to the regulation of pollen tube growth by methylation of histone H3 lysines 4 and 36 in mature pollen. <i>Developmental Biology</i> , 2008, 315, 355-368.	2.0	109
15	Identification of a novel plant MAR DNA binding protein localized on chromosomal surfaces. <i>Plant Molecular Biology</i> , 2004, 56, 225-239.	3.9	101
16	Characterization of plant Aurora kinases during mitosis. <i>Plant Molecular Biology</i> , 2005, 58, 1-13.	3.9	100
17	Depletion of nucleophosmin leads to distortion of nucleolar and nuclear structures in HeLa cells. <i>Biochemical Journal</i> , 2008, 415, 345-351.	3.7	88
18	Effects of Ionic Strength and Sugars on the Aggregation Propensity of Monoclonal Antibodies: Influence of Colloidal and Conformational Stabilities. <i>Pharmaceutical Research</i> , 2013, 30, 1263-1280.	3.5	88

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19	H2A.Z and H3.3 Histone Variants Affect Nucleosome Structure: Biochemical and Biophysical Studies. <i>Biochemistry</i> , 2009, 48, 10852-10857.	2.5	87
20	Liquid formulation for antibody drugs. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 2041-2052.	2.3	81
21	Structural basis of the interaction between IgG and Fcγ3 receptors. <i>Journal of Molecular Biology</i> , 2000, 295, 213-224.	4.2	76
22	RBMX: A Regulator for Maintenance and Centromeric Protection of Sister Chromatid Cohesion. <i>Cell Reports</i> , 2012, 1, 299-308.	6.4	75
23	Aurora kinase is required for chromosome segregation in tobacco BY-2 cells. <i>Plant Journal</i> , 2006, 48, 572-580.	5.7	72
24	Calcium-specific coupling protein in barnacle underwater cement. <i>FEBS Journal</i> , 2007, 274, 6436-6446.	4.7	71
25	A Multilaboratory Comparison of Calibration Accuracy and the Performance of External References in Analytical Ultracentrifugation. <i>PLoS ONE</i> , 2015, 10, e0126420.	2.5	71
26	Stabilization of <i>Pseudomonas aeruginosa</i> Cytochrome c 551 by Systematic Amino Acid Substitutions Based on the Structure of Thermophilic <i>Hydrogenobacter thermophilus</i> Cytochrome c 552. <i>Journal of Biological Chemistry</i> , 1999, 274, 37533-37537.	3.4	69
27	Characterization of Collagen Model Peptides Containing 4-Fluoroproline; (4(S)-Fluoroproline-Pro-Gly) ₁₀ Forms a Triple Helix, but (4(R)-Fluoroproline-Pro-Gly) ₁₀ Does Not. <i>Journal of the American Chemical Society</i> , 2003, 125, 9922-9923.	13.7	67
28	Different Effects of 4-Hydroxyproline and 4-Fluoroproline on the Stability of Collagen Triple Helix. <i>Biochemistry</i> , 2005, 44, 6034-6042.	2.5	64
29	Solution Structure of the Ribosome Recycling Factor from <i>Aquifex aeolicus</i> . <i>Biochemistry</i> , 2001, 40, 2387-2396.	2.5	62
30	Effect of Hydration on the Stability of the Collagen-like Triple-Helical Structure of [4(R)-Hydroxyprolyl-4(R)-hydroxyprolylglycine] ₁₀ . <i>Biochemistry</i> , 2005, 44, 15812-15822.	2.5	61
31	Synergistic Effect of Cavitation and Agitation on Protein Aggregation. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 521-529.	3.3	59
32	Structural Dynamics of the PET-Degrading Cutinase-like Enzyme from <i>Saccharomonospora viridis</i> AHK190 in Substrate-Bound States Elucidates the Ca ²⁺ -Driven Catalytic Cycle. <i>Biochemistry</i> , 2018, 57, 5289-5300.	2.5	59
33	Solubility and partial specific volumes of C60 and C70. <i>Chemical Physics Letters</i> , 1997, 264, 143-148.	2.6	58
34	Structural basis for PPAR γ transactivation by endocrine-disrupting organotin compounds. <i>Scientific Reports</i> , 2015, 5, 8520.	3.3	56
35	Fibrillarin, a nucleolar protein, is required for normal nuclear morphology and cellular growth in HeLa cells. <i>Biochemical and Biophysical Research Communications</i> , 2007, 360, 320-326.	2.1	55
36	Dynamic structural states of ClpB involved in its disaggregation function. <i>Nature Communications</i> , 2018, 9, 2147.	12.8	55

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37	A comparative proteome analysis of human metaphase chromosomes isolated from two different cell lines reveals a set of conserved chromosome-associated proteins. <i>Genes To Cells</i> , 2007, 12, 269-284.	1.2	52
38	A non-canonical UBA-Ubl interaction forms the linear ubiquitin chain assembly complex. <i>EMBO Reports</i> , 2012, 13, 462-468.	4.5	52
39	Critical analysis of techniques and materials used in devices, syringes, and needles used for intravitreal injections. <i>Progress in Retinal and Eye Research</i> , 2021, 80, 100862.	15.5	51
40	Selected Mutations in a Mesophilic Cytochrome c Confer the Stability of a Thermophilic Counterpart. <i>Journal of Biological Chemistry</i> , 2000, 275, 37824-37828.	3.4	49
41	Archaeal ribosomal stalk protein interacts with translation factors in a nucleotide-independent manner via its conserved C terminus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3748-3753.	7.1	48
42	Small-molecule inhibition of PTPRZ reduces tumor growth in a rat model of glioblastoma. <i>Scientific Reports</i> , 2016, 6, 20473.	3.3	47
43	An Assessment of the Ability of Submicron- and Micron-Size Silicone Oil Droplets in Dropped Prefillable Syringes to Invoke Early- and Late-Stage Immune Responses. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2278-2287.	3.3	47
44	Simple and efficient syntheses of Boc- and Fmoc-protected 4(R)- and 4(S)-fluoroproline solely from 4(R)-hydroxyproline. <i>Tetrahedron</i> , 2002, 58, 8453-8459.	1.9	46
45	Complete Thermal-Unfolding Profiles of Oxidized and Reduced Cytochromes. <i>Journal of the American Chemical Society</i> , 2004, 126, 14684-14685.	13.7	46
46	Nucleophosmin is required for chromosome congression, proper mitotic spindle formation, and kinetochore-microtubule attachment in HeLa cells. <i>FEBS Letters</i> , 2008, 582, 3839-3844.	2.8	46
47	Structural basis for the cooperative interplay between the two causative gene products of combined factor V and factor VIII deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4034-4039.	7.1	46
48	Fc domain mediated self-association of an IgG1 monoclonal antibody under a low ionic strength condition. <i>Journal of Bioscience and Bioengineering</i> , 2011, 112, 326-332.	2.2	46
49	PHB2 Protects Sister-Chromatid Cohesion in Mitosis. <i>Current Biology</i> , 2007, 17, 1356-1361.	3.9	44
50	Regional and segmental flexibility of antibodies in interaction with antigens of different size. <i>FEBS Journal</i> , 2006, 273, 1476-1487.	4.7	42
51	Chromosome observation by scanning electron microscopy using ionic liquid. <i>Microscopy Research and Technique</i> , 2012, 75, 1113-1118.	2.2	41
52	Detection of Histidine Oxidation in a Monoclonal Immunoglobulin Gamma (IgG) 1 Antibody. <i>Analytical Chemistry</i> , 2014, 86, 7536-7543.	6.5	41
53	Collaborative Study for Analysis of Subvisible Particles Using Flow Imaging and Light Obscuration: Experiences in Japanese Biopharmaceutical Consortium. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 832-841.	3.3	40
54	Development of novel humanized anti-CD20 antibodies based on affinity constant and epitope. <i>Cancer Science</i> , 2010, 101, 201-209.	3.9	39

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55	Calcium ions function as a booster of chromosome condensation. <i>Scientific Reports</i> , 2016, 6, 38281.	3.3	39
56	Chromosome Scaffold is a Double-Stranded Assembly of Scaffold Proteins. <i>Scientific Reports</i> , 2015, 5, 11916.	3.3	37
57	Cytochrome c from a thermophilic bacterium has provided insights into the mechanisms of protein maturation, folding, and stability. <i>FEBS Journal</i> , 2002, 269, 3355-3361.	0.2	36
58	H1.X with different properties from other linker histones is required for mitotic progression. <i>FEBS Letters</i> , 2007, 581, 3783-3788.	2.8	36
59	Taste substance binding elicits conformational change of taste receptor T1r heterodimer extracellular domains. <i>Scientific Reports</i> , 2016, 6, 25745.	3.3	36
60	Automatic Identification of the Stress Sources of Protein Aggregates Using Flow Imaging Microscopy Images. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 614-623.	3.3	36
61	Thermodynamic characterization of variants of mesophilic cytochrome c and its thermophilic counterpart. <i>Protein Engineering, Design and Selection</i> , 2002, 15, 455-461.	2.1	35
62	A nucleolar protein RRS1 contributes to chromosome congression. <i>FEBS Letters</i> , 2009, 583, 1951-1956.	2.8	35
63	The Fab portion of immunoglobulin G contributes to its binding to Fc γ 3 receptor III. <i>Scientific Reports</i> , 2019, 9, 11957.	3.3	35
64	Structure and Binding Mode of a Ribosome Recycling Factor (RRF) from Mesophilic Bacterium. <i>Journal of Biological Chemistry</i> , 2003, 278, 3427-3436.	3.4	34
65	Chromosome protein framework from proteome analysis of isolated human metaphase chromosomes. <i>Chemical Record</i> , 2007, 7, 230-237.	5.8	34
66	Effects of antibody affinity and antigen valence on molecular forms of immune complexes. <i>Molecular Immunology</i> , 2009, 47, 357-364.	2.2	34
67	Five Amino Acid Residues Responsible for the High Stability of <i>Hydrogenobacter thermophilus</i> Cytochrome c552. <i>Journal of Biological Chemistry</i> , 2005, 280, 5527-5532.	3.4	33
68	Creation of a Type 1 Blue Copper Site within a de Novo Coiled-Coil Protein Scaffold. <i>Journal of the American Chemical Society</i> , 2010, 132, 18191-18198.	13.7	33
69	Mass spectrometric analysis of protein-ligand interactions. <i>Biophysics and Physicobiology</i> , 2016, 13, 87-95.	1.0	33
70	Changes in Chromosomal Surface Structure by Different Isolation Conditions.. <i>Archives of Histology and Cytology</i> , 2002, 65, 445-455.	0.2	32
71	Specific Racemization of Heavy-Chain Cysteine-220 in the Hinge Region of Immunoglobulin Gamma 1 as a Possible Cause of Degradation during Storage. <i>Analytical Chemistry</i> , 2011, 83, 3857-3864.	6.5	32
72	Creation of a Binuclear Purple Copper Site within a de Novo Coiled-Coil Protein. <i>Biochemistry</i> , 2012, 51, 7901-7907.	2.5	32

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73	New insight into the dynamical system of β -crystallin oligomers. <i>Scientific Reports</i> , 2016, 6, 29208.	3.3	32
74	Collagen-like triple helix formation of synthetic (Pro-Pro-Gly) ₁₀ analogues: (4(S)-hydroxyprolyl-4(R)-hydroxyprolyl-Gly) ₁₀ , (4(R)-hydroxyprolyl-4(R)-hydroxyprolyl-Gly) ₁₀ and (4(S)-fluoroprolyl-4(R)-fluoroprolyl-Gly) ₁₀ . <i>Journal of Peptide Science</i> , 2005, 11, 609-616.	1.4	31
75	Live Cell Imaging Reveals Plant Aurora Kinase Has Dual Roles During Mitosis. <i>Plant and Cell Physiology</i> , 2008, 49, 1256-1261.	3.1	31
76	Histone H2A mobility is regulated by its tails and acetylation of core histone tails. <i>Biochemical and Biophysical Research Communications</i> , 2007, 357, 627-632.	2.1	30
77	Sweeping of Adsorbed Therapeutic Protein on Prefillable Syringes Promotes Micron Aggregate Generation. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 1521-1529.	3.3	30
78	Relationship between Redox Function and Protein Stability of Cytochromesc. <i>Journal of the American Chemical Society</i> , 2003, 125, 13650-13651.	13.7	29
79	Aggregation analysis of pharmaceutical human immunoglobulin preparations using size-exclusion chromatography and analytical ultracentrifugation sedimentation velocity. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 104-110.	2.2	29
80	Interaction of ribosome recycling factor and elongation factor EF-G with E. coli ribosomes studied by the surface plasmon resonance technique. <i>Genes To Cells</i> , 2000, 5, 953-963.	1.2	27
81	Assembly Modulation by Adjusting Countercharges of Heterobimetallic Supramolecular Polymers Composed of Tris(spiroborate) Twin Bowls. <i>Journal of the American Chemical Society</i> , 2010, 132, 15556-15558.	13.7	27
82	Analytical ultracentrifugation with fluorescence detection system reveals differences in complex formation between recombinant human TNF and different biological TNF antagonists in various environments. <i>MAbs</i> , 2017, 9, 664-679.	5.2	27
83	Friability Testing as a New Stress-Stability Assay for Biopharmaceuticals. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 2966-2978.	3.3	27
84	Bioactive beads-mediated transformation of rice with large DNA fragments containing <i>Aegilops tauschii</i> genes. <i>Plant Cell Reports</i> , 2009, 28, 759-768.	5.6	26
85	The nuclear scaffold protein SAF-A is required for kinetochore-microtubule attachment and contributes to the targeting of Aurora-A to mitotic spindles. <i>Journal of Cell Science</i> , 2011, 124, 394-404.	2.0	26
86	Sedimentation velocity analytical ultracentrifugation for characterization of therapeutic antibodies. <i>Biophysical Reviews</i> , 2018, 10, 259-269.	3.2	26
87	Influence of Amino Acid Side Chain Packing on Fe ²⁺ Methionine Coordination in Thermostable Cytochrome c. <i>Journal of the American Chemical Society</i> , 2002, 124, 11574-11575.	13.7	25
88	Roles of a short connecting disulfide bond in the stability and function of psychrophilic <i>Shewanella violacea</i> cytochrome c 5*. <i>Extremophiles</i> , 2007, 11, 797-807.	2.3	25
89	Quantitative Laser Diffraction for Quantification of Protein Aggregates: Comparison With Resonant Mass Measurement, Nanoparticle Tracking Analysis, Flow Imaging, and Light Obscuration. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 755-762.	3.3	25
90	Characterization and dynamic analysis of Arabidopsis condensin subunits, AtCAP-H and AtCAP-H2. <i>Planta</i> , 2005, 222, 293-300.	3.2	24

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91	Structural characterization of the circadian clock protein complex composed of KaiB and KaiC by inverse contrast-matching small-angle neutron scattering. <i>Scientific Reports</i> , 2016, 6, 35567.	3.3	24
92	Structural and Thermodynamic Behavior of Eukaryotic Initiation Factor 4E in Supramolecular Formation with 4E-Binding Protein 1 and mRNA Cap Analogue, Studied by Spectroscopic Methods.. <i>Chemical and Pharmaceutical Bulletin</i> , 2001, 49, 1299-1303.	1.3	23
93	Characteristic Domain Motion in the Ribosome Recycling Factor Revealed by ¹⁵ N NMR Relaxation Experiments and Molecular Dynamics Simulations. <i>Biochemistry</i> , 2003, 42, 4101-4107.	2.5	23
94	Drug delivery system for poorly water-soluble compounds using lipocalin-type prostaglandin D synthase. <i>Journal of Controlled Release</i> , 2012, 159, 143-150.	9.9	23
95	Disassembly of the self-assembled, double-ring structure of proteasome $\hat{1}\pm 7$ homo-tetradecamer by $\hat{1}\pm 6$. <i>Scientific Reports</i> , 2015, 5, 18167.	3.3	23
96	Quantitative Laser Diffraction Method for the Assessment of Protein Subvisible Particles. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 618-626.	3.3	23
97	Assembly of protein complexes restricts diffusion of Wnt3a proteins. <i>Communications Biology</i> , 2018, 1, 165.	4.4	23
98	Structure of Cytochrome _c 552 from a Moderate Thermophilic Bacterium, <i>Hydrogenophilus thermoluteolus</i> : A Comparative Study on the Thermostability of Cytochrome _c . <i>Biochemistry</i> , 2006, 45, 6115-6123.	2.5	22
99	Hyperstability and crystal structure of cytochrome _c 555 from hyperthermophilic <i>Aquifex aeolicus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2009, 65, 804-813.	2.5	22
100	Hyperthermostable cube-shaped assembly in water. <i>Communications Chemistry</i> , 2018, 1, .	4.5	22
101	Assessment of the Injection Performance of a Tapered Needle for Use in Prefilled Biopharmaceutical Products. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 515-523.	3.3	22
102	The Middle Region of an HP1-binding Protein, HP1-BP74, Associates with Linker DNA at the Entry/Exit Site of Nucleosomal DNA. <i>Journal of Biological Chemistry</i> , 2010, 285, 6498-6507.	3.4	21
103	Assembly states of the nucleosome assembly protein 1 (NAP-1) revealed by sedimentation velocity and non-denaturing MS. <i>Biochemical Journal</i> , 2011, 436, 101-112.	3.7	21
104	Chromosome Interior Observation by Focused Ion Beam/Scanning Electron Microscopy (FIB/SEM) Using Ionic Liquid Technique. <i>Microscopy and Microanalysis</i> , 2014, 20, 1340-1347.	0.4	21
105	Bifacial Nucleobases for Hexaplex Formation in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2018, 140, 8456-8462.	13.7	21
106	Native mass spectrometry for understanding dynamic protein complex. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 275-286.	2.4	20
107	Effect of UVC Irradiation on the Oxidation of Histidine in Monoclonal Antibodies. <i>Scientific Reports</i> , 2020, 10, 6333.	3.3	20
108	An Archaeal Homolog of Proteasome Assembly Factor Functions as a Proteasome Activator. <i>PLoS ONE</i> , 2013, 8, e60294.	2.5	19

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109	Suppression of Methionine Oxidation of a Pharmaceutical Antibody Stored in a Polymer-Based Syringe. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 623-629.	3.3	19
110	Novel helical assembly in arginine methyltransferase 8. <i>Journal of Molecular Biology</i> , 2016, 428, 1197-1208.	4.2	19
111	Ionic liquids and protein folding—old tricks for new solvents. <i>Biophysical Reviews</i> , 2019, 11, 209-225.	3.2	19
112	Development of syringes and vials for delivery of biologics: current challenges and innovative solutions. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 459-470.	5.0	19
113	Protein composition of human metaphase chromosomes analyzed by two-dimensional electrophoreses. <i>Cytogenetic and Genome Research</i> , 2004, 107, 49-54.	1.1	18
114	Development of a multistage classifier for a monitoring system of cell activity based on imaging of chromosomal dynamics. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2007, 71A, 286-296.	1.5	18
115	The triple helical structure and stability of collagen model peptide with 4(<i>L</i> -hydroxyprolyl- <i>L</i> -prolyl) units. <i>Biopolymers</i> , 2012, 98, 111-121.	2.4	18
116	Structural Basis for Dimer Formation of Human Condensin Structural Maintenance of Chromosome Proteins and Its Implications for Single-stranded DNA Recognition. <i>Journal of Biological Chemistry</i> , 2015, 290, 29461-29477.	3.4	18
117	Cooperative Binding of KaiB to the KaiC Hexamer Ensures Accurate Circadian Clock Oscillation in Cyanobacteria. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4550.	4.1	18
118	Flow karyotypes and chromosomal DNA contents of genus <i>Triticum</i> species and rye (<i>Secale cereale</i>). <i>Chromosome Research</i> , 2004, 12, 93-102.	2.2	17
119	Characterization of HIV-1 resistance to a fusion inhibitor, N36, derived from the gp41 amino-terminal heptad repeat. <i>Antiviral Research</i> , 2010, 87, 179-186.	4.1	17
120	Pepsin immobilization on an aldehyde-modified polymethacrylate monolith and its application for protein analysis. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 505-510.	2.2	17
121	Insight into adaptive remodeling of the rotor ring complex of the bacterial flagellar motor. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 12-17.	2.1	17
122	Relation of Colloidal and Conformational Stabilities to Aggregate Formation in a Monoclonal Antibody. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 308-315.	3.3	17
123	Measurement of thermodynamic quantities in the heating-rate dependent thermal transitions of sequenced polytripeptides. <i>Chemical Physics Letters</i> , 1997, 281, 92-96.	2.6	16
124	Fluorescent labeling of plant chromosomes in suspension by FISH. <i>Genes and Genetic Systems</i> , 2005, 80, 35-39.	0.7	16
125	Apo- and Holo-structures of 3 β -Hydroxysteroid Dehydrogenase from <i>Pseudomonas</i> sp. B-0831. <i>Journal of Biological Chemistry</i> , 2006, 281, 31876-31884.	3.4	16
126	Crystal structure of extracellular domain of human lectin-like transcript 1 (LLT1), the ligand for natural killer receptor-1A. <i>European Journal of Immunology</i> , 2015, 45, 1605-1613.	2.9	16

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127	Interaction mode between catalytic and regulatory subunits in glucosidase II involved in ER glycoprotein quality control. <i>Protein Science</i> , 2016, 25, 2095-2101.	7.6	16
128	Glycyrrhizin Derivatives Suppress Cancer Chemoresistance by Inhibiting Progesterone Receptor Membrane Component 1. <i>Cancers</i> , 2021, 13, 3265.	3.7	16
129	Crystallization and preliminary X-ray crystallographic studies of a mutant of ribosome recycling factor from <i>Escherichia coli</i> , Arg132Gly. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 124-126.	2.5	15
130	Two Decades of Publishing Excellence in Pharmaceutical Biotechnology. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 290-300.	3.3	15
131	Chemical mechanism of petal color development of <i>Nemophila menziesii</i> by a metalloanthocyanin, nemophilin. <i>Tetrahedron</i> , 2015, 71, 9123-9130.	1.9	15
132	SDS-induced oligomerization of Lys49-phospholipase A2 from snake venom. <i>Scientific Reports</i> , 2019, 9, 2330.	3.3	15
133	Crystal structure of the dog allergen Can f 6 and structure-based implications of its cross-reactivity with the cat allergen Fel d 4. <i>Scientific Reports</i> , 2019, 9, 1503.	3.3	15
134	Pro108Ser mutation of SARS-CoV-2 3CLpro reduces the enzyme activity and ameliorates the clinical severity of COVID-19. <i>Scientific Reports</i> , 2022, 12, 1299.	3.3	15
135	Calreticulin as a new histone binding protein in mitotic chromosomes. <i>Cytogenetic and Genome Research</i> , 2006, 115, 10-15.	1.1	14
136	The effect of the side chain length of Asp and Glu on coordination structure of Cu ²⁺ in a <i>de novo</i> designed protein. <i>Biopolymers</i> , 2009, 91, 907-916.	2.4	14
137	Identification of IgG1 Aggregation Initiation Region by Hydrogen Deuterium Mass Spectrometry. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2323-2333.	3.3	14
138	ATP hydrolysis by KaiC promotes its KaiA binding in the cyanobacterial circadian clock system. <i>Life Science Alliance</i> , 2019, 2, e201900368.	2.8	14
139	Stabilization mechanism of triple helical structure of collagen molecules. <i>International Journal of Peptide Research and Therapeutics</i> , 2003, 10, 533-537.	0.1	13
140	NMR Detection of Semi-Specific Antibody Interactions in Serum Environments. <i>Molecules</i> , 2017, 22, 1619.	3.8	13
141	Structural characterization of HypX responsible for CO biosynthesis in the maturation of NiFe-hydrogenase. <i>Communications Biology</i> , 2019, 2, 385.	4.4	13
142	Comparative Analysis of Highly Homologous <i>Shewanella</i> Cytochromes c5 for Stability and Function. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 1079-1083.	1.3	12
143	A Comprehensive Study of the Interaction between Peptidoglycan Fragments and the Extracellular Domain of <i>Mycobacterium tuberculosis</i> Ser/Thr Kinase PknB. <i>ChemBioChem</i> , 2017, 18, 2094-2098.	2.6	12
144	RecA requires two molecules of Mg ²⁺ ions for its optimal strand exchange activity in vitro. <i>Nucleic Acids Research</i> , 2018, 46, 2548-2559.	14.5	12

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145	A head-to-toe dimerization has physiological relevance for ligand-induced inactivation of protein tyrosine receptor type Z. <i>Journal of Biological Chemistry</i> , 2019, 294, 14953-14965.	3.4	12
146	Characterization of a Splicing Variant of Plant Aurora Kinase. <i>Plant and Cell Physiology</i> , 2006, 48, 369-374.	3.1	11
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