

Susumu Uchiyama

List of Publications by Year in descending order

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206
papers

7,134
citations

57758

44
h-index

85541

71
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214
all docs

214
docs citations

214
times ranked

9233
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduction of Recombinant Adeno-Associated Virus Vector Adsorption on Solid Surfaces by Polyionic Hydrophilic Complex Coating. <i>Journal of Pharmaceutical Sciences</i> , 2022, 111, 663-671.	3.3	6
2	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
3	Selective targeting of multiple myeloma cells with a monoclonal antibody recognizing the ubiquitous protein CD98 heavy chain. <i>Science Translational Medicine</i> , 2022, 14, eaax7706.	12.4	10
4	The Fab portion of immunoglobulin G has sites in the CL domain that interact with Fc gamma receptor IIIa. <i>MAbs</i> , 2022, 14, 2038531.	5.2	7
5	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
6	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
7	Glycyrrhizin Derivatives Suppress Cancer Chemoresistance by Inhibiting Progesterone Receptor Membrane Component 1. <i>Cancers</i> , 2021, 13, 3265.	3.7	16
8	Plate Reader-Based Analytical Method for the Size Distribution of Submicron-Sized Protein Aggregates Using Three-Dimensional Homodyne Light Detection. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 3803-3810.	3.3	4
9	Mechanism of dimerization and structural features of human LI-cadherin. <i>Journal of Biological Chemistry</i> , 2021, 297, 101054.	3.4	4
10	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
11	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
12	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
13	Intrastrand backbone-nucleobase interactions stabilize unwound right-handed helical structures of heteroduplexes of L-aTNA/RNA and SNA/RNA. <i>Communications Chemistry</i> , 2020, 3, .	4.5	9
14	Current status and issues of protein solution biophysics—Session 1SDP. <i>Biophysical Reviews</i> , 2020, 12, 263-264.	3.2	1
15	Dataset of microbial community structure in alcohol sprayed banana associated with ripening process. <i>Data in Brief</i> , 2020, 29, 105216.	1.0	0
16	Supramolecular tholos-like architecture constituted by archaeal proteins without functional annotation. <i>Scientific Reports</i> , 2020, 10, 1540.	3.3	8
17	Recent Achievements and Current Interests in Research on the Characterization and Quality Control of Biopharmaceuticals in Japan. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 1652-1661.	3.3	3
18	Effect of UVC Irradiation on the Oxidation of Histidine in Monoclonal Antibodies. <i>Scientific Reports</i> , 2020, 10, 6333.	3.3	20

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19	Allosteric regulation accompanied by oligomeric state changes of <i>Trypanosoma brucei</i> GMP reductase through cystathionine- β -synthase domain. <i>Nature Communications</i> , 2020, 11, 1837.	12.8	10
20	Incorporation of Pseudo-complementary Bases 2,6-Diaminopurine and 2-Thiouracil into Serinol Nucleic Acid (SNA) to Promote SNA/RNA Hybridization. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1266-1271.	3.3	10
21	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
22	Structural characterization of HypX responsible for CO biosynthesis in the maturation of NiFe-hydrogenase. <i>Communications Biology</i> , 2019, 2, 385.	4.4	13
23	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
24	Interlaboratory comparison about feasibility of insoluble particulate matter test for injections with reduced test volume in light obscuration method. <i>Biologicals</i> , 2019, 57, 46-49.	1.4	8
25	Mutational and Combinatorial Control of Self-Assembling and Disassembling of Human Proteasome β 5 Subunits. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2308.	4.1	6
26	Ionic liquids and protein folding—old tricks for new solvents. <i>Biophysical Reviews</i> , 2019, 11, 209-225.	3.2	19
27	SDS-induced oligomerization of Lys49-phospholipase A2 from snake venom. <i>Scientific Reports</i> , 2019, 9, 2330.	3.3	15
28	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
29	Identification of IgG1 Aggregation Initiation Region by Hydrogen Deuterium Mass Spectrometry. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2323-2333.	3.3	14
30	Temperature-controlled repeatable scrambling and induced-sorting of building blocks between cubic assemblies. <i>Nature Communications</i> , 2019, 10, 1440.	12.8	11
31	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
32	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
33	Polarizability and isotope effects on dispersion interactions in water. <i>Communications Chemistry</i> , 2019, 2, .	4.5	4
34	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
35	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
36	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

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37	Inhalation effect of masso lactone from massoia essential oil on lipid profile, liver tissues, and body weight of Sprague Dawley rat. <i>Journal of Applied Pharmaceutical Science</i> , 2019, 9, 111-116.	1.0	1
38	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
39	Sedimentation velocity analytical ultracentrifugation for characterization of therapeutic antibodies. <i>Biophysical Reviews</i> , 2018, 10, 259-269.	3.2	26
40	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
41	Hyperthermostable cube-shaped assembly in water. <i>Communications Chemistry</i> , 2018, 1, .	4.5	22
42	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
43	Physicochemical improvement of rabbit derived single-domain antibodies by substitutions with amino acids conserved in camelid antibodies. <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 654-661.	2.2	1
44	Native mass spectrometry for understanding dynamic protein complex. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 275-286.	2.4	20
45	Assembly of protein complexes restricts diffusion of Wnt3a proteins. <i>Communications Biology</i> , 2018, 1, 165.	4.4	23
46	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
47	Dynamic structural states of ClpB involved in its disaggregation function. <i>Nature Communications</i> , 2018, 9, 2147.	12.8	55
48	Bifacial Nucleobases for Hexaplex Formation in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2018, 140, 8456-8462.	13.7	21
49	Recent Developments of Cyclo Olefin Polymers. <i>Kobunshi Ronbunshu</i> , 2018, 75, 477-485.	0.2	2
50	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
51	Friability Testing as a New Stress-Stability Assay for Biopharmaceuticals. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 2966-2978.	3.3	27
52	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
53	Efficient generation of single domain antibodies with high affinities and enhanced thermal stabilities. <i>Scientific Reports</i> , 2017, 7, 5794.	3.3	8
54	Calcium depletion destabilises kinetochore fibres by the removal of CENP-F from the kinetochore. <i>Scientific Reports</i> , 2017, 7, 7335.	3.3	5

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55	Recent Topics of Research in the Characterization and Quality Control of Biopharmaceuticals in Japan. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 3431-3437.	3.3	7
56	Synergistic Effect of Cavitation and Agitation on Protein Aggregation. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 521-529.	3.3	59
57	NMR Detection of Semi-Specific Antibody Interactions in Serum Environments. <i>Molecules</i> , 2017, 22, 1619.	3.8	13
58	Interdependency and phosphorylation of KIF4 and condensin I are essential for organization of chromosome scaffold. <i>PLoS ONE</i> , 2017, 12, e0183298.	2.5	11
59	Calcium ions function as a booster of chromosome condensation. <i>Scientific Reports</i> , 2016, 6, 38281.	3.3	39
60	Structural and binding properties of laminarin revealed by analytical ultracentrifugation and calorimetric analyses. <i>Carbohydrate Research</i> , 2016, 431, 33-38.	2.3	11
61	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
62	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
63	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
64	Mass Spectrometric Characterization of HIV-1 Reverse Transcriptase Interactions with Non-nucleoside Reverse Transcriptase Inhibitors. <i>Biological and Pharmaceutical Bulletin</i> , 2016, 39, 450-454.	1.4	5
65	Taste substance binding elicits conformational change of taste receptor T1r heterodimer extracellular domains. <i>Scientific Reports</i> , 2016, 6, 25745.	3.3	36
66	New insight into the dynamical system of β -crystallin oligomers. <i>Scientific Reports</i> , 2016, 6, 29208.	3.3	32
67	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
68	Haem-dependent dimerization of PGRMC1/Sigma-2 receptor facilitates cancer proliferation and chemoresistance. <i>Nature Communications</i> , 2016, 7, 11030.	12.8	153
69	Small-molecule inhibition of PTPRZ reduces tumor growth in a rat model of glioblastoma. <i>Scientific Reports</i> , 2016, 6, 20473.	3.3	47
70	Mass spectrometric analysis of protein-ligand interactions. <i>Biophysics and Physicobiology</i> , 2016, 13, 87-95.	1.0	33
71	Novel helical assembly in arginine methyltransferase 8. <i>Journal of Molecular Biology</i> , 2016, 428, 1197-1208.	4.2	19
72	Structure of IZUMO1-JUNO reveals sperm-oocyte recognition during mammalian fertilization. <i>Nature</i> , 2016, 534, 566-569.	27.8	118

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73	Two Decades of Publishing Excellence in Pharmaceutical Biotechnology. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 290-300.	3.3	15
74	Disassembly of the self-assembled, double-ring structure of proteasome β 7 homo-tetradecamer by β 6. <i>Scientific Reports</i> , 2015, 5, 18167.	3.3	23
75	Condensin in Chromatid Cohesion and Segregation. <i>Cytogenetic and Genome Research</i> , 2015, 147, 212-216.	1.1	6
76	Chromosome Scaffold is a Double-Stranded Assembly of Scaffold Proteins. <i>Scientific Reports</i> , 2015, 5, 11916.	3.3	37
77	Quantitative Laser Diffraction Method for the Assessment of Protein Subvisible Particles. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 618-626.	3.3	23
78	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
79	Structural basis of CpG and inhibitory DNA recognition by Toll-like receptor 9. <i>Nature</i> , 2015, 520, 702-705.	27.8	290
80	Structural basis for PPAR β transactivation by endocrine-disrupting organotin compounds. <i>Scientific Reports</i> , 2015, 5, 8520.	3.3	56
81	Crystal structure of extracellular domain of human lectin-like transcript 1 (LLT1), the ligand for natural killer receptor P1A. <i>European Journal of Immunology</i> , 2015, 45, 1605-1613.	2.9	16
82	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
83	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
84	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
85	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
86	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
87	pH-Dependent Assembly and Segregation of the Coiled-Coil Segments of Yeast Putative Cargo Receptors Emp46p and Emp47p. <i>PLoS ONE</i> , 2015, 10, e0140287.	2.5	7
88	Detection of Histidine Oxidation in a Monoclonal Immunoglobulin Gamma (IgG) 1 Antibody. <i>Analytical Chemistry</i> , 2014, 86, 7536-7543.	6.5	41
89	Liquid formulation for antibody drugs. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 2041-2052.	2.3	81
90	The Effect of Magnesium Ions on Chromosome Structure as Observed by Helium Ion Microscopy. <i>Microscopy and Microanalysis</i> , 2014, 20, 184-188.	0.4	10

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91	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
92	SuperNova, a monomeric photosensitizing fluorescent protein for chromophore-assisted light inactivation. <i>Scientific Reports</i> , 2013, 3, 2629.	3.3	132
93	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
94	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
95	Characterization of the novel <i>Trypanosoma brucei</i> inosine 5'-monophosphate dehydrogenase. <i>Parasitology</i> , 2013, 140, 735-745.	1.5	11
96	Visualization of Oil Body Distribution in <i>Jatropha curcas</i> L. by Four-Wave Mixing Microscopy. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 062403.	1.5	0
97	ASURA (PHB2) Interacts with Scc1 through Chromatin. <i>Cytogenetic and Genome Research</i> , 2013, 139, 225-233.	1.1	2
98	Thermodynamic assessment of domain-domain interactions and in vitro activities of mesophilic and thermophilic ribosome recycling factors. <i>Biopolymers</i> , 2013, 100, 366-379.	2.4	3
99	An Archaeal Homolog of Proteasome Assembly Factor Functions as a Proteasome Activator. <i>PLoS ONE</i> , 2013, 8, e60294.	2.5	19
100	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
101	Creation of a Binuclear Purple Copper Site within a <i>de Novo</i> Coiled-Coil Protein. <i>Biochemistry</i> , 2012, 51, 7901-7907.	2.5	32
102	A non-canonical UBA-UBL interaction forms the linear ubiquitin chain assembly complex. <i>EMBO Reports</i> , 2012, 13, 462-468.	4.5	52
103	RBMX: A Regulator for Maintenance and Centromeric Protection of Sister Chromatid Cohesion. <i>Cell Reports</i> , 2012, 1, 299-308.	6.4	75
104	Effects of rotational speed on the hydrodynamic properties of pharmaceutical antibodies measured by analytical ultracentrifugation sedimentation velocity. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 47, 367-374.	4.0	6
105	Protein encapsulation within synthetic molecular hosts. <i>Nature Communications</i> , 2012, 3, 1093.	12.8	208
106	Domain 5 of high molecular weight kininogen inhibits collagen-mediated cancer cell adhesion and invasion in association with Î±-actinin-4. <i>Biochemical and Biophysical Research Communications</i> , 2012, 427, 497-502.	2.1	6
107	Chromosome observation by scanning electron microscopy using ionic liquid. <i>Microscopy Research and Technique</i> , 2012, 75, 1113-1118.	2.2	41
108	The triple helical structure and stability of collagen model peptide with 4-hydroxyprolyl-prolyl units. <i>Biopolymers</i> , 2012, 98, 111-121.	2.4	18

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109	Polymorphism of Collagen Triple Helix Revealed by ¹⁹ F NMR of Model Peptide [Pro-4(<i>R</i>)-Hydroxyprolyl-Gly] ₃ -[Pro-4(<i>R</i>)-Fluoroprolyl-Gly]-[Pro-4(<i>R</i>)-Hydroxyprolyl-Gly] ₃ . Journal of Physical Chemistry B, 2012, 116, 6908-6915.		
110	Drug delivery system for poorly water-soluble compounds using lipocalin-type prostaglandin D synthase. Journal of Controlled Release, 2012, 159, 143-150.	9.9	23
111	Behavior of Monoclonal Antibodies: Relation Between the Second Virial Coefficient (B ₂) at Low Concentrations and Aggregation Propensity and Viscosity at High Concentrations. Pharmaceutical Research, 2012, 29, 397-410.	3.5	131
112	Specific Racemization of Heavy-Chain Cysteine-220 in the Hinge Region of Immunoglobulin Gamma 1 as a Possible Cause of Degradation during Storage. Analytical Chemistry, 2011, 83, 3857-3864.	6.5	32
113	Assembly states of the nucleosome assembly protein 1 (NAP-1) revealed by sedimentation velocity and non-denaturing MS. Biochemical Journal, 2011, 436, 101-112.	3.7	21
114	ASURA (PHB2) Is Required for Kinetochore Assembly and Subsequent Chromosome Congression. Acta Histochemica Et Cytochemica, 2011, 44, 247-258.	1.6	7
115	Fc domain mediated self-association of an IgG1 monoclonal antibody under a low ionic strength condition. Journal of Bioscience and Bioengineering, 2011, 112, 326-332.	2.2	46
116	The nuclear scaffold protein SAF-A is required for kinetochore-microtubule attachment and contributes to the targeting of Aurora-A to mitotic spindles. Journal of Cell Science, 2011, 124, 394-404.	2.0	26
117	Thermal effects of added propanol on the helix-coil transition of (Pro-Pro-Gly) ₁₀ in D ₂ O solution: An NMR study. Chemical Physics Letters, 2010, 491, 208-213.	2.6	1
118	Phase Separation of an IgG1 Antibody Solution under a Low Ionic Strength Condition. Pharmaceutical Research, 2010, 27, 1348-1360.	3.5	115
119	Characterization of HIV-1 resistance to a fusion inhibitor, N36, derived from the gp41 amino-terminal heptad repeat. Antiviral Research, 2010, 87, 179-186.	4.1	17
120	Cloning, expression, crystallization and preliminary X-ray crystallographic analysis of a human condensin SMC2 hinge domain with short coiled coils. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 1067-1070.	0.7	2
121	Development of novel humanized anti-CD20 antibodies based on affinity constant and epitope. Cancer Science, 2010, 101, 201-209.	3.9	39
122	Structural basis for semaphorin signalling through the plexin receptor. Nature, 2010, 467, 1123-1127.	27.8	144
123	Structural basis for the cooperative interplay between the two causative gene products of combined factor V and factor VIII deficiency. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4034-4039.	7.1	46
124	The Middle Region of an HP1-binding Protein, HP1-BP74, Associates with Linker DNA at the Entry/Exit Site of Nucleosomal DNA. Journal of Biological Chemistry, 2010, 285, 6498-6507.	3.4	21
125	Comparative Analysis of Highly Homologous <i>Shewanella</i> Cytochromes c5 for Stability and Function. Bioscience, Biotechnology and Biochemistry, 2010, 74, 1079-1083.	1.3	12
126	Assembly Modulation by Adjusting Countercharges of Heterobimetallic Supramolecular Polymers Composed of Tris(spiroborate) Twin Bowls. Journal of the American Chemical Society, 2010, 132, 15556-15558.	13.7	27

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127	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
128	A nucleolar protein RRS1 contributes to chromosome congression. <i>FEBS Letters</i> , 2009, 583, 1951-1956.	2.8	35
129	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
130	Stability enhancement of cytochrome c through heme deprotonation and mutations. <i>Biophysical Chemistry</i> , 2009, 139, 37-41.	2.8	1
131	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
132	Hyperstability and crystal structure of cytochrome <i>c</i> ₅₅₅ from hyperthermophilic <i>Aquifex aeolicus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2009, 65, 804-813.	2.5	22
133	Effects of antibody affinity and antigen valence on molecular forms of immune complexes. <i>Molecular Immunology</i> , 2009, 47, 357-364.	2.2	34
134	H2A.Z and H3.3 Histone Variants Affect Nucleosome Structure: Biochemical and Biophysical Studies. <i>Biochemistry</i> , 2009, 48, 10852-10857.	2.5	87
135	2DE for Proteome Analysis of Human Metaphase Chromosomes. <i>Methods in Molecular Biology</i> , 2009, 519, 259-271.	0.9	1
136	Thermal unfolding mechanism of lipocalin α -type prostaglandin α -D synthase. <i>FEBS Journal</i> , 2008, 275, 233-241.	4.7	9
137	Nucleophosmin is required for chromosome congression, proper mitotic spindle formation, and kinetochore α -microtubule attachment in HeLa cells. <i>FEBS Letters</i> , 2008, 582, 3839-3844.	2.8	46
138	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
139	Stabilization Mechanism of Cytochromec552from a Moderately Thermophilic Bacterium, <i>Hydrogenophilus thermoluteolus</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2008, 72, 2103-2109.	1.3	7
140	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
141	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
142	Anti-Peptide Antibodies for Examining the Conformation, Molecular Assembly and Localization of an Intracellular Protein, Ribosomal Protein S6, In vivo. <i>Journal of Biochemistry</i> , 2007, 143, 325-332.	1.7	2
143	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
144	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

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145	H1.X with different properties from other linker histones is required for mitotic progression. FEBS Letters, 2007, 581, 3783-3788.	2.8	36
146	Nucleolin functions in nucleolus formation and chromosome congression. Journal of Cell Science, 2007, 120, 2091-2105.	2.0	112
147	Development of a multistage classifier for a monitoring system of cell activity based on imaging of chromosomal dynamics. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2007, 71A, 286-296.	1.5	18
148	Chromosome protein framework from proteome analysis of isolated human metaphase chromosomes. Chemical Record, 2007, 7, 230-237.	5.8	34
149	Crystal structure of Pyrococcus horikoshii PPC protein at 1.60 Å... resolution. Proteins: Structure, Function and Bioinformatics, 2007, 67, 505-507.	2.6	11
150	A comparative proteome analysis of human metaphase chromosomes isolated from two different cell lines reveals a set of conserved chromosome-associated proteins. Genes To Cells, 2007, 12, 269-284.	1.2	52
151	Calcite-specific coupling protein in barnacle underwater cement. FEBS Journal, 2007, 274, 6436-6446.	4.7	71
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