List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Aicardi-Goutières Syndrome Is Caused by IFIH1 Mutations. American Journal of Human Genetics, 2014, 95, 121-125.	6.2	175
2	Potential anti-COVID-19 agents, cepharanthine and nelfinavir, and their usage for combination treatment. IScience, 2021, 24, 102367.	4.1	126
3	High-resolution crystal structure of M-protease: phylogeny aided analysis of the high-alkaline adaptation mechanism. Protein Engineering, Design and Selection, 1997, 10, 627-634.	2.1	99
4	Mechanism of replication machinery assembly as revealed by the DNA ligase–PCNA–DNA complex architecture. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4647-4652.	7.1	71
5	Identification of a mismatch-specific endonuclease in hyperthermophilic Archaea. Nucleic Acids Research, 2016, 44, 2977-2986.	14.5	63
6	The influence of PRNP polymorphisms on human prion disease susceptibility: an update. Acta Neuropathologica, 2015, 130, 159-170.	7.7	59
7	Architecture of the DNA polymerase B-proliferating cell nuclear antigen (PCNA)-DNA ternary complex. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1845-1849.	7.1	53
8	High-resolution structure of the conger eel galectin, congerin I, in lactose-liganded and ligand-free forms: emergence of a new structure class by accelerated evolution. Structure, 1999, 7, 1223-1233.	3.3	49
9	Structure of the EndoMS-DNA Complex as Mismatch Restriction Endonuclease. Structure, 2016, 24, 1960-1971.	3.3	48
10	Crystal Structure of a Conger Eel Galectin (Congerin II) at 1.45Ã Resolution: Implication for the Accelerated Evolution of a New Ligand-binding Site Following Gene Duplication. Journal of Molecular Biology, 2002, 321, 879-889.	4.2	35
11	Structure of Novel Enzyme in Mannan Biodegradation Process 4-O-β-d-Mannosyl-d-Glucose Phosphorylase MGP. Journal of Molecular Biology, 2013, 425, 4468-4478.	4.2	34
12	The tetrameric MotA complex as the core of the flagellar motor stator from hyperthermophilic bacterium. Scientific Reports, 2016, 6, 31526.	3.3	33
13	Architectures of archaeal GINS complexes, essential DNA replication initiation factors. BMC Biology, 2011, 9, 28.	3.8	30
14	Curcumin Derivatives Verify the Essentiality of ROS Upregulation in Tumor Suppression. Molecules, 2019, 24, 4067.	3.8	29
15	Ancestral sequence evolutionary trace and crystal structure analyses of alkaline α-amylase from Bacillus sp. KSM-1378 to clarify the alkaline adaptation process of proteins. Proteins: Structure, Function and Bioinformatics, 2006, 66, 600-610.	2.6	27
16	Decoding disease-causing mechanisms of missense mutations from supramolecular structures. Scientific Reports, 2017, 7, 8541.	3.3	26
17	Atomic structure of an archaeal GAN suggests its dual roles as an exonuclease in DNA repair and a CMG component in DNA replication. Nucleic Acids Research, 2016, 44, 9505-9517.	14.5	22
18	Rotational direction of flagellar motor from the conformation of FliG middle domain in marine Vibrio. Scientific Reports, 2018, 8, 17793.	3.3	22

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19	Tracing whale myoglobin evolution by resurrecting ancient proteins. Scientific Reports, 2018, 8, 16883.	3.3	22
20	Resurrecting the ancient glow of the fireflies. Science Advances, 2020, 6, .	10.3	22
21	Knowledgeâ€based structural models of SARSâ€CoVâ€2 proteins and their complexes with potential drugs. FEBS Letters, 2020, 594, 1960-1973.	2.8	21
22	Evaluating Prion Models Based on Comprehensive Mutation Data of Mouse PrP. Structure, 2014, 22, 560-571.	3.3	20
23	Pentagamavunon-1 (PGV-1) inhibits ROS metabolic enzymes and suppresses tumor cell growth by inducing M phase (prometaphase) arrest and cell senescence. Scientific Reports, 2019, 9, 14867.	3.3	20
24	Evaluating cepharanthine analogues as natural drugs against SARS oVâ€2. FEBS Open Bio, 2022, 12, 285-294.	2.3	20
25	Clustering of 3Dâ€Structure Similarity Based Network of Secondary Metabolites Reveals Their Relationships with Biological Activities. Molecular Informatics, 2014, 33, 790-801.	2.5	18
26	Deciphering Supramolecular Structures with Protein-Protein Interaction Network Modeling. Scientific Reports, 2015, 5, 16341.	3.3	18
27	WDR11 is another causative gene for coloboma, cardiac anomaly and growth retardation in 10q26 deletion syndrome. European Journal of Medical Genetics, 2020, 63, 103626.	1.3	18
28	Tracing Protein Evolution through Ancestral Structures of Fish Galectin. Structure, 2011, 19, 711-721.	3.3	15
29	Classification of Ligand Molecules in PDB with Fast Heuristic Graph Match Algorithm COMPLIG. Journal of Molecular Biology, 2012, 424, 379-390.	4.2	15
30	Reconstruction of a Probable Ancestral Form of Conger Eel Galectins Revealed Their Rapid Adaptive Evolution Process for Specific Carbohydrate Recognition. Molecular Biology and Evolution, 2007, 24, 2504-2514.	8.9	14
31	Structural and Functional Analysis of the C-Terminal Region of FliG, an Essential Motor Component of Vibrio Na+-Driven Flagella. Structure, 2017, 25, 1540-1548.e3.	3.3	13
32	Protein engineering of conger eel galectins by tracing of molecular evolution using probable ancestral mutants. BMC Evolutionary Biology, 2010, 10, 43.	3.2	12
33	SAHG, a comprehensive database of predicted structures of all human proteins. Nucleic Acids Research, 2011, 39, D487-D493.	14.5	12
34	Clinical characteristics of adolescent cases with Type A insulin resistance syndrome caused by heterozygous mutations in the βâ€subunit of the insulin receptor ( <i>INSR</i> ) gene. Journal of Diabetes, 2019, 11, 46-54.	1.8	12
35	Crystallization and Preliminary X-Ray Analysis of a Truncated Family A Alkaline Endoglucanase Isolated from Bacillus sp. KSM-635. Journal of Biochemistry, 1997, 122, 683-685.	1.7	11
36	The Role of the Prod1 Membrane Anchor in Newt Limb Regeneration. Angewandte Chemie - International Edition, 2017, 56, 270-274.	13.8	10

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37	X-ray Structure Analysis and Characterization of AFUEI, an Elastase Inhibitor from Aspergillus fumigatus. Journal of Biological Chemistry, 2013, 288, 17451-17459.	3.4	9
38	Direct visualization of DNA baton pass between replication factors bound to PCNA. Scientific Reports, 2018, 8, 16209.	3.3	9
39	Structures of jacalinâ€related lectin PPL3 regulating pearl shell biomineralization. Proteins: Structure, Function and Bioinformatics, 2018, 86, 644-653.	2.6	8
40	Two conformations of DNA polymerase D-PCNA-DNA, an archaeal replisome complex, revealed by cryo-electron microscopy. BMC Biology, 2020, 18, 152.	3.8	8
41	Molecular mechanisms of insulin resistance in 2 cases of primary insulin receptor defect-associated diseases. Pediatric Diabetes, 2017, 18, 917-924.	2.9	6
42	Common and unique strategies of myoglobin evolution for deep-sea adaptation of diving mammals. IScience, 2021, 24, 102920.	4.1	6
43	Current status of structure-based drug repurposing against COVID-19 by targeting SARS-CoV-2 proteins. Biophysics and Physicobiology, 2021, 18, 226-240.	1.0	6
44	Intermolecular Interactions between a Membrane Protein and a Glycolipid Essential for Membrane Protein Integration. ACS Chemical Biology, 2022, 17, 609-618.	3.4	6
45	Role of a bacterial glycolipid in Sec-independent membrane protein insertion. Scientific Reports, 2022, 12, .	3.3	6
46	Tracing Ancestral Specificity of Lectins: Ancestral Sequence Reconstruction Method as a New Approach in Protein Engineering. Methods in Molecular Biology, 2014, 1200, 539-551.	0.9	4
47	Single-particle analysis of full-length human poly(ADP-ribose) polymerase 1. Biophysics and Physicobiology, 2019, 16, 59-67.	1.0	3
48	A residue located at the junction of the head and stalk regions of measles virus fusion protein regulates membrane fusion by controlling conformational stability. Journal of General Virology, 2017, 98, 143-154.	2.9	3
49	Design, construction, crystallization, and preliminary X-ray studies of a fine-tuning mutant (F133V) of module-substituted chimera hemoglobin. , 1998, 32, 263-267.		2
50	Experimental Molecular Archeology: Reconstruction of Ancestral Mutants and Evolutionary History of Proteins as a New Approach in Protein Engineering. , 2013, , .		2
51	Exonuclease processivity of archaeal replicative DNA polymerase in association with PCNA is expedited by mismatches in DNA. Scientific Reports, 2017, 7, 44582.	3.3	2
52	Overview of the big data bioinformatics symposium (2SCA) at BSJ2019. Biophysical Reviews, 2020, 12, 277-278.	3.2	2
53	Classification of ligand molecules in PDB with graph match-based structural superposition. Journal of Structural and Functional Genomics, 2016, 17, 135-146.	1.2	1
54	Transcriptional activation of a chimeric retrogene PIPSL in a hominoid ancestor. Gene, 2018, 678, 318-323.	2.2	1

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55	Improvement of Protein Solubility in Macromolecular Crowding during Myoglobin Evolution. Biochemistry, 2022, 61, 1543-1547.	2.5	1
56	Detecting structural similarity of ligand interactions in the lipid metabolic system including enzymes, lipid-binding proteins and nuclear receptors. Protein Engineering, Design and Selection, 2011, 24, 397-403.	2.1	0
57	Cover Image, Volume 86, Issue 6. Proteins: Structure, Function and Bioinformatics, 2018, 86, C1-C1.	2.6	0
58	Knowledge-based Modeling of SARS-CoV-2 Proteins and Predicting its Potential Drugs. Seibutsu Butsuri, 2021, 61, 102-106.	0.1	0
59	Frontiers in Crystal Chemistry: Prediction of Structures and Properties. Part 1. Prediction of Crystal Structures, Methods and Applications. A Protein-Fold Evolution and Protein Structure Predictions Nihon Kessho Gakkaishi, 2002, 44, 20-24.	0.0	0
60	Supramolecule Modeling: The Mechanism of Switching between Polymerization – Proof Reading Modes in DNA Duplication. Seibutsu Butsuri, 2012, 52, 246-249.	0.1	0
61	Alkaline tolerance of proteins Seibutsu Butsuri, 1998, 38, 211-213.	0.1	0