

# Kam Y J Zhang

## 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.

143  
papers

7,682  
citations

36  
h-index

86  
g-index

150  
ext. papers

8,603  
ext. citations

7.4  
avg, IF

5.75  
L-index

#	Paper	IF	Citations
143	Molecular dynamics simulations: Principles, methods, and applications in protein conformational dynamics <b>2022</b> , 439-454		1
142	In-Silico Design of a Novel Tridecapeptide Targeting Spike Protein of SARS-CoV-2 Variants of Concern.. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2022</b> , 28, 28	2.1	3
141	Tumor Derived Extracellular Vesicles Drive T Cell Exhaustion in Tumor Microenvironment through Sphingosine Mediated Signaling and Impacting Immunotherapy Outcomes in Ovarian Cancer.. <i>Advanced Science</i> , <b>2022</b> , e2104452	13.6	0
140	TIRAP-mediated activation of p38 MAPK in inflammatory signaling.. <i>Scientific Reports</i> , <b>2022</b> , 12, 5601	4.9	2
139	A novel structure-based approach for identification of vertebrate susceptibility to SARS-CoV-2: Implications for future surveillance programmes.. <i>Environmental Research</i> , <b>2022</b> , 113303	7.9	1
138	Crystal structure of human acetylcholinesterase in complex with tacrine: Implications for drug discovery.. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 210, 172-181	7.9	1
137	Piperidine-4-carboxamide as a new scaffold for designing secretory glutaminy cyclase inhibitors. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 170, 415-423	7.9	4
136	Evolutionary and codon usage preference insights into spike glycoprotein of SARS-CoV-2. <i>Briefings in Bioinformatics</i> , <b>2021</b> , 22, 1006-1022	13.4	7
135	Comprehensive Intrinsic Disorder Analysis of 6108 Viral Proteomes: From the Extent of Intrinsic Disorder Penetrance to Functional Annotation of Disordered Viral Proteins. <i>Journal of Proteome Research</i> , <b>2021</b> , 20, 2704-2713	5.6	4
134	Chemical similarity assisted search for acetylcholinesterase inhibitors: Molecular modeling and evaluation of their neuroprotective properties. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 174, 466-476	7.9	2
133	Crystal Structure and Structure-Based Discovery of Inhibitors of the Nematode Chitinase Cht1. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 3519-3526	5.7	6
132	The symmetric designer protein Pizza as a scaffold for metal coordination. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2021</b> , 89, 945	4.2	2
131	A multidimensional computational exploration of congenital myasthenic syndrome causing mutations in human choline acetyltransferase. <i>Journal of Cellular Biochemistry</i> , <b>2021</b> , 122, 787-800	4.7	1
130	Targeting LIF/LIFR signaling in cancer. <i>Genes and Diseases</i> , <b>2021</b> ,	6.6	3
129	Lean-Docking: Exploiting LigandsLPredicted Docking Scores to Accelerate Molecular Docking. <i>Journal of Chemical Information and Modeling</i> , <b>2021</b> , 61, 2341-2352	6.1	6
128	Understanding the molecular interactions of inhibitors against Bla1 beta-lactamase towards unraveling the mechanism of antimicrobial resistance. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 177, 337-350	7.9	1
127	Insights into the evolutionary forces that shape the codon usage in the viral genome segments encoding intrinsically disordered protein regions. <i>Briefings in Bioinformatics</i> , <b>2021</b> , 22,	13.4	3

126	Identification of 1,2,4-Triazolylthioethanone Scaffold for the Design of New Acetylcholinesterase Inhibitors. <i>Molecular Informatics</i> , <b>2021</b> , 40, e2100020	3.8	
125	A variant in human AIOLOS impairs adaptive immunity by interfering with IKAROS. <i>Nature Immunology</i> , <b>2021</b> , 22, 893-903	19.1	9
124	A loss-of-function variant in SUV39H2 identified in autism-spectrum disorder causes altered H3K9 trimethylation and dysregulation of protocadherin $\beta$ cluster genes in the developing brain. <i>Molecular Psychiatry</i> , <b>2021</b> ,	15.1	2
123	Cryo-EM structure of the human ELMO1-DOCK5-Rac1 complex. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	2
122	Structure-based virtual screening of highly potent inhibitors of the nematode chitinase Cht1. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2021</b> , 36, 1198-1204	5.6	2
121	Identification of Novel Cathepsin B Inhibitors with Implications in Alzheimer's Disease: Computational Refining and Biochemical Evaluation. <i>Cells</i> , <b>2021</b> , 10,	7.9	2
120	A Novel Therapeutic Peptide Blocks SARS-CoV-2 Spike Protein Binding with Host Cell ACE2 Receptor. <i>Drugs in R and D</i> , <b>2021</b> , 21, 273-283	3.4	6
119	An integrated computational pipeline for designing high-affinity nanobodies with expanded genetic codes. <i>Briefings in Bioinformatics</i> , <b>2021</b> , 22,	13.4	1
118	Seven Amino Acid Types Suffice to Create the Core Fold of RNA Polymerase. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 15998-16006	16.4	4
117	Evolutionary Signatures Governing the Codon Usage Bias in Coronaviruses and Their Implications for Viruses Infecting Various Bat Species. <i>Viruses</i> , <b>2021</b> , 13,	6.2	4
116	ProFitFun: A Protein Tertiary Structure Fitness Function for Quantifying the Accuracies of Model Structures. <i>Bioinformatics</i> , <b>2021</b> ,	7.2	1
115	Neuroprotective derivatives of tacrine that target NMDA receptor and acetyl cholinesterase - Design, synthesis and biological evaluation. <i>Computational and Structural Biotechnology Journal</i> , <b>2021</b> , 19, 4517-4537	6.8	4
114	Actin R256 Mono-methylation Is a Conserved Post-translational Modification Involved in Transcription. <i>Cell Reports</i> , <b>2020</b> , 32, 108172	10.6	4
113	Design of a peptide-based subunit vaccine against novel coronavirus SARS-CoV-2. <i>Microbial Pathogenesis</i> , <b>2020</b> , 145, 104236	3.8	110
112	A protein sequence fitness function for identifying natural and nonnatural proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2020</b> , 88, 1271-1284	4.2	5
111	EC330, a small-molecule compound, is a potential novel inhibitor of LIF signaling. <i>Journal of Molecular Cell Biology</i> , <b>2020</b> , 12, 477-480	6.3	4
110	A Series of Compounds Bearing a Dipyrido-Pyrimidine Scaffold Acting as Novel Human and Insect Pest Chitinase Inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 987-1001	8.3	16
109	ATP7A Clinical Genetics Resource - A comprehensive clinically annotated database and resource for genetic variants in ATP7A gene. <i>Computational and Structural Biotechnology Journal</i> , <b>2020</b> , 18, 2347-2356	6.8	1

108	Mechanistic insights into the loss-of-function mechanisms of rare human D-amino acid oxidase variants implicated in amyotrophic lateral sclerosis. <i>Scientific Reports</i> , <b>2020</b> , 10, 17146	4.9	4
107	Identification of a Selective RelA Inhibitor Based on DSE-FRET Screening Methods. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	1
106	Improving ligand 3D shape similarity-based pose prediction with a continuum solvent model. <i>Journal of Computer-Aided Molecular Design</i> , <b>2019</b> , 33, 1045-1055	4.2	1
105	EC359: A First-in-Class Small-Molecule Inhibitor for Targeting Oncogenic LIFR Signaling in Triple-Negative Breast Cancer. <i>Molecular Cancer Therapeutics</i> , <b>2019</b> , 18, 1341-1354	6.1	17
104	Human Chitinases: Structure, Function, and Inhibitor Discovery. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1142, 221-251	3.6	13
103	Cheminformatics and structural bioinformatics in OCaml. <i>Journal of Cheminformatics</i> , <b>2019</b> , 11, 10	8.6	3
102	Shape similarity guided pose prediction: lessons from D3R Grand Challenge 3. <i>Journal of Computer-Aided Molecular Design</i> , <b>2019</b> , 33, 47-59	4.2	6
101	Population-Based Sampling and Fragment-Based De Novo Protein Structure Prediction <b>2019</b> , 774-784		1
100	Human glutaminyl cyclase: Structure, function, inhibitors and involvement in Alzheimer's disease. <i>Pharmacological Research</i> , <b>2019</b> , 147, 104342	10.2	7
99	Computational design of symmetrical eight-bladed propeller proteins. <i>IUCrJ</i> , <b>2019</b> , 6, 46-55	4.7	25
98	EC313-a tissue selective SPRM reduces the growth and proliferation of uterine fibroids in a human uterine fibroid tissue xenograft model. <i>Scientific Reports</i> , <b>2019</b> , 9, 17279	4.9	0
97	A structural homology approach for computational protein design with flexible backbone. <i>Bioinformatics</i> , <b>2019</b> , 35, 2418-2426	7.2	4
96	A cross docking pipeline for improving pose prediction and virtual screening performance. <i>Journal of Computer-Aided Molecular Design</i> , <b>2018</b> , 32, 163-173	4.2	15
95	Advances in the Development of Shape Similarity Methods and Their Application in Drug Discovery. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 315	5	56
94	Discovery of Fungal Denitrification Inhibitors by Targeting Copper Nitrite Reductase from <i>Fusarium oxysporum</i> . <i>Journal of Chemical Information and Modeling</i> , <b>2017</b> , 57, 203-213	6.1	15
93	Balancing exploration and exploitation in population-based sampling improves fragment-based de novo protein structure prediction. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2017</b> , 85, 852-858	4.2	14
92	Evolution-Inspired Computational Design of Symmetric Proteins. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1529, 309-322	1.4	10
91	Computational design of a symmetrical trefoil lectin with cancer cell binding activity. <i>Scientific Reports</i> , <b>2017</b> , 7, 5943	4.9	23

90	Identification and structure-activity relationship of purine derivatives as novel MTH1 inhibitors. <i>Chemical Biology and Drug Design</i> , <b>2017</b> , 89, 862-869	2.9	6
89	Fragger: a protein fragment picker for structural queries. <i>F1000Research</i> , <b>2017</b> , 6, 1722	3.6	1
88	Fragger: a protein fragment picker for structural queries. <i>F1000Research</i> , <b>2017</b> , 6, 1722	3.6	2
87	Application of Shape Similarity in Pose Selection and Virtual Screening in CSARdock2014 Exercise. <i>Journal of Chemical Information and Modeling</i> , <b>2016</b> , 56, 965-73	6.1	22
86	Understanding the Assembly of an Artificial Protein Nanotube. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600846	4.6	6
85	A Novel Scaffold for Developing Specific or Broad-Spectrum Chitinase Inhibitors. <i>Journal of Chemical Information and Modeling</i> , <b>2016</b> , 56, 2413-2420	6.1	18
84	The Effect of F877L and T878A Mutations on Androgen Receptor Response to Enzalutamide. <i>Molecular Cancer Therapeutics</i> , <b>2016</b> , 15, 1702-12	6.1	48
83	Identification of new SUMO activating enzyme 1 inhibitors using virtual screening and scaffold hopping. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2016</b> , 26, 1218-23	2.9	27
82	A pose prediction approach based on ligand 3D shape similarity. <i>Journal of Computer-Aided Molecular Design</i> , <b>2016</b> , 30, 457-69	4.2	13
81	Prospective evaluation of shape similarity based pose prediction method in D3R Grand Challenge 2015. <i>Journal of Computer-Aided Molecular Design</i> , <b>2016</b> , 30, 685-693	4.2	10
80	Advances in the development of SUMO specific protease (SENp) inhibitors. <i>Computational and Structural Biotechnology Journal</i> , <b>2015</b> , 13, 204-11	6.8	42
79	Synthesis, cholinesterase inhibition and molecular modelling studies of coumarin linked thiourea derivatives. <i>Bioorganic Chemistry</i> , <b>2015</b> , 63, 58-63	5.1	38
78	Biom mineralization of a Cadmium Chloride Nanocrystal by a Designed Symmetrical Protein. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 9857-60	16.4	31
77	Hierarchical virtual screening approaches in small molecule drug discovery. <i>Methods</i> , <b>2015</b> , 71, 26-37	4.6	90
76	Biom mineralization of a Cadmium Chloride Nanocrystal by a Designed Symmetrical Protein. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 9995-9998	3.6	
75	Characterization of pH-induced transitions of <i>Entamoeba histolytica</i> D-phosphoglycerate dehydrogenase. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 79, 284-9	7.9	1
74	The crystal and solution structure of YdiE from <i>Escherichia coli</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , <b>2015</b> , 71, 919-24	1.1	1
73	A fragmentation and reassembly method for ab initio phasing. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2015</b> , 71, 304-12		14

72	Quality Assessment of Predicted Protein Models Using Energies Calculated by the Fragment Molecular Orbital Method. <i>Molecular Informatics</i> , <b>2015</b> , 34, 97-104	3.8	12
71	Improving fragment quality for de novo structure prediction. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2014</b> , 82, 2240-52	4.2	9
70	Discovery of small molecule inhibitors targeting the SUMO-BIM interaction using a protein interface consensus approach. <i>MedChemComm</i> , <b>2014</b> , 5, 783-786	5	6
69	Identification of sumoylation inhibitors targeting a predicted pocket in Ubc9. <i>Journal of Chemical Information and Modeling</i> , <b>2014</b> , 54, 2784-93	6.1	11
68	Identification of 1,2,5-oxadiazoles as a new class of SENP2 inhibitors using structure based virtual screening. <i>Journal of Chemical Information and Modeling</i> , <b>2014</b> , 54, 870-80	6.1	40
67	Computational design of a self-assembling symmetrical propeller protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 15102-7	11.5	101
66	A rotation-translation invariant molecular descriptor of partial charges and its use in ligand-based virtual screening. <i>Journal of Cheminformatics</i> , <b>2014</b> , 6, 23	8.6	19
65	Pharmacophore modeling: advances, limitations, and current utility in drug discovery. <i>Journal of Receptor, Ligand and Channel Research</i> , <b>2014</b> , 81		22
64	Assay methods for small ubiquitin-like modifier (SUMO)-SUMO-interacting motif (SIM) interactions in vivo and in vitro using a split-luciferase complementation system. <i>Analytical Biochemistry</i> , <b>2014</b> , 448, 92-4	3.1	7
63	Combining in silico and in cerebro approaches for virtual screening and pose prediction in SAMPL4. <i>Journal of Computer-Aided Molecular Design</i> , <b>2014</b> , 28, 363-73	4.2	22
62	Computational Investigation of SENP:SUMO Protein-Protein Interaction for Structure Based Drug Design. <i>Molecular Informatics</i> , <b>2013</b> , 32, 267-80	3.8	4
61	Identification of small peptides inhibiting the integrase-LEDGF/p75 interaction through targeting the cellular co-factor. <i>Journal of Peptide Science</i> , <b>2013</b> , 19, 651-8	2.1	7
60	CDC25A-inhibitory RE derivatives bind to pocket adjacent to the catalytic site. <i>Molecular BioSystems</i> , <b>2013</b> , 9, 1026-34		4
59	Identification of quinazolinyloxy biaryl urea as a new class of SUMO activating enzyme 1 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2013</b> , 23, 5145-9	2.9	16
58	The discovery of novel human androgen receptor antagonist chemotypes using a combined pharmacophore screening procedure. <i>ChemMedChem</i> , <b>2013</b> , 8, 644-51	3.7	23
57	Identification of sumoylation activating enzyme 1 inhibitors by structure-based virtual screening. <i>Journal of Chemical Information and Modeling</i> , <b>2013</b> , 53, 809-20	6.1	37
56	Investigation on the effect of key water molecules on docking performance in CSARdock exercise. <i>Journal of Chemical Information and Modeling</i> , <b>2013</b> , 53, 1880-92	6.1	35
55	Spectomycin B1 as a novel SUMOylation inhibitor that directly binds to SUMO E2. <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 2635-42	4.9	68

54	Protein interface pharmacophore mapping tools for small molecule protein: protein interaction inhibitor discovery. <i>Current Topics in Medicinal Chemistry</i> , <b>2013</b> , 13, 989-1001	3	30
53	Design and pharmacology of a highly specific dual FMS and KIT kinase inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 5689-94	11.5	61
52	Efficient sampling in fragment-based protein structure prediction using an estimation of distribution algorithm. <i>PLoS ONE</i> , <b>2013</b> , 8, e68954	3.7	20
51	Electrostatic similarities between protein and small molecule ligands facilitate the design of protein-protein interaction inhibitors. <i>PLoS ONE</i> , <b>2013</b> , 8, e75762	3.7	14
50	Glu-108 is essential for subunit assembly and dimer stability of D-phosphoglycerate dehydrogenase from <i>Entamoeba histolytica</i> . <i>Molecular and Biochemical Parasitology</i> , <b>2012</b> , 181, 117-24	1.9	11
49	Durandal: fast exact clustering of protein decoys. <i>Journal of Computational Chemistry</i> , <b>2012</b> , 33, 471-4	3.5	20
48	An integrated fragment based screening approach for the discovery of small molecule modulators of the VWF-GPIIb/IIIa interaction. <i>Chemical Communications</i> , <b>2012</b> , 48, 11349-51	5.8	8
47	Novel protein-protein interactions between <i>Entamoeba histolytica</i> d-phosphoglycerate dehydrogenase and phosphoserine aminotransferase. <i>Biochimie</i> , <b>2012</b> , 94, 1676-86	4.6	5
46	Error-estimation-guided rebuilding of de novo models increases the success rate of ab initio phasing. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2012</b> , 68, 1522-34		6
45	Computational fragment-based screening using RosettaLigand: the SAMPL3 challenge. <i>Journal of Computer-Aided Molecular Design</i> , <b>2012</b> , 26, 603-16	4.2	13
44	Role of conserved active site tryptophan-101 in functional activity and stability of phosphoserine aminotransferase from an enteric human parasite. <i>Amino Acids</i> , <b>2012</b> , 43, 483-91	3.5	8
43	Pharmacophore modelling as a virtual screening tool for the discovery of small molecule protein-protein interaction inhibitors. <i>Current Pharmaceutical Design</i> , <b>2012</b> , 18, 4586-98	3.3	19
42	A probabilistic fragment-based protein structure prediction algorithm. <i>PLoS ONE</i> , <b>2012</b> , 7, e38799	3.7	36
41	Accelerating ab initio phasing with de novo models. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2011</b> , 67, 804-12		13
40	Entropy-accelerated exact clustering of protein decoys. <i>Bioinformatics</i> , <b>2011</b> , 27, 939-45	7.2	20
39	Clinical efficacy of a RAF inhibitor needs broad target blockade in BRAF-mutant melanoma. <i>Nature</i> , <b>2010</b> , 467, 596-9	50.4	1379
38	PAR: a PARAllel and distributed job crusher. <i>Bioinformatics</i> , <b>2010</b> , 26, 2918-9	7.2	6
37	Scaffold-based discovery of indeglitazar, a PPAR pan-active anti-diabetic agent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 262-7	11.5	115

36	Discovery of a selective inhibitor of oncogenic B-Raf kinase with potent antimelanoma activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 3041-6	11.5	1056
35	Scaffold-Based Drug Discovery <b>2007</b> , 129-153		6
34	Identification of a novel noncatalytic bicarbonate binding site in eubacterial beta-carbonic anhydrase. <i>Biochemistry</i> , <b>2006</b> , 45, 4351-61	3.2	91
33	Germline KRAS mutations cause Noonan syndrome. <i>Nature Genetics</i> , <b>2006</b> , 38, 331-6	36.3	562
32	Crystal Structure of Phosphodiesterase Families and the Potential for Rational Drug Design <b>2006</b> ,		2
31	Phosphodiesterase-4 as a potential drug target. <i>Expert Opinion on Therapeutic Targets</i> , <b>2005</b> , 9, 1283-305	5.4	70
30	A family of phosphodiesterase inhibitors discovered by cocrystallography and scaffold-based drug design. <i>Nature Biotechnology</i> , <b>2005</b> , 23, 201-7	44.5	200
29	Keynote review: phosphodiesterase-4 as a therapeutic target. <i>Drug Discovery Today</i> , <b>2005</b> , 10, 1503-19	8.8	530
28	Bcl-XL mutations suppress cellular sensitivity to antimycin A. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 2159-65	5.4	61
27	Mcl-1 is required for Akata6 B-lymphoma cell survival and is converted to a cell death molecule by efficient caspase-mediated cleavage. <i>Oncogene</i> , <b>2004</b> , 23, 4818-27	9.2	121
26	Structural basis for the activity of drugs that inhibit phosphodiesterases. <i>Structure</i> , <b>2004</b> , 12, 2233-47	5.2	307
25	A glutamine switch mechanism for nucleotide selectivity by phosphodiesterases. <i>Molecular Cell</i> , <b>2004</b> , 15, 279-86	17.6	240
24	A Glutamine Switch Mechanism for Nucleotide Selectivity by Phosphodiesterases. <i>Molecular Cell</i> , <b>2004</b> , 15, 659	17.6	3
23	Multidimensional histograms for density modification. <i>Methods in Enzymology</i> , <b>2003</b> , 374, 188-203	1.7	
22	Accurate computer-based design of a new backbone conformation in the second turn of protein L. <i>Journal of Molecular Biology</i> , <b>2002</b> , 315, 471-7	6.5	70
21	Structures of the B1 domain of protein L from <i>Peptostreptococcus magnus</i> with a tyrosine to tryptophan substitution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2001</b> , 57, 480-7		54
20	Post-translational modification of the N-terminal His tag interferes with the crystallization of the wild-type and mutant SH3 domains from chicken src tyrosine kinase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2001</b> , 57, 759-62		39
19	Crystal structure of <i>E. coli</i> beta-carbonic anhydrase, an enzyme with an unusual pH-dependent activity. <i>Protein Science</i> , <b>2001</b> , 10, 911-22	6.3	131



18	Antimycin A mimics a cell-death-inducing Bcl-2 homology domain 3. <i>Nature Cell Biology</i> , <b>2001</b> , 3, 183-91	23.4	391
17	Single-site mutations induce 3D domain swapping in the B1 domain of protein L from <i>Peptostreptococcus magnus</i> . <i>Structure</i> , <b>2001</b> , 9, 1017-27	5.2	50
16	Conversion of monomeric protein L to an obligate dimer by computational protein design. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 10687-91	11.5	62
15	Biophysical characterization of recombinant human Bcl-2 and its interactions with an inhibitory ligand, antimycin A. <i>Biochemistry</i> , <b>2001</b> , 40, 4911-22	3.2	75
14	Crystallization and preliminary X-ray diffraction studies of mutants of B1 IgG-binding domain of protein L from <i>Peptostreptococcus magnus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2000</b> , 56, 506-8		4
13	Cloning, crystallization and preliminary characterization of a beta-carbonic anhydrase from <i>Escherichia coli</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2000</b> , 56, 1176-9		14
12	A two-dimensional histogram-matching method for protein phase refinement and extension. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>1999</b> , 55, 1893-900		7
11	Density modification for macromolecular phase improvement. <i>Progress in Biophysics and Molecular Biology</i> , <b>1999</b> , 72, 245-70	4.7	199
10	The two-dimensional histogram as a constraint for protein phase improvement. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>1998</b> , 54, 1230-44		8
9	Mutation and modeling analysis of the <i>Saccharomyces cerevisiae</i> Swi6 ankyrin repeats. <i>Biochemistry</i> , <b>1998</b> , 37, 4437-50	3.2	12
8	Oncogene-dependent apoptosis in extracts from drug-resistant cells. <i>Genes and Development</i> , <b>1997</b> , 11, 1266-76	12.6	54
7	Combining constraints for electron-density modification. <i>Methods in Enzymology</i> , <b>1997</b> , 277, 53-64	1.7	95
6	Solid-state phase transition in the crystal structure of ribulose 1,5-bisphosphate carboxylase/oxygenase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>1994</b> , 50, 258-62		4
5	Ambiguities in ab initio phasing. <i>Science</i> , <b>1993</b> , 259, 1771-2	33.3	1
4	SQUASH - combining constraints for macromolecular phase refinement and extension. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>1993</b> , 49, 213-22		34
3	The use of Sayre's equation with solvent flattening and histogram matching for phase extension and refinement of protein structures. <i>Acta Crystallographica Section A: Foundations and Advances</i> , <b>1990</b> , 46, 377-381		80
2	High Throughput Designing and Mutational Mapping of RBD-ACE2 Interface Guide Non-Conventional Therapeutic Strategies for COVID-19		6
1	Seven amino acid types suffice to reconstruct the core fold of RNA polymerase		1

