

# Pravindra Kumar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8200075/publications.pdf>

Version: 2024-02-01

126  
papers

2,402  
citations

185998

28  
h-index

288905

40  
g-index

131  
all docs

131  
docs citations

131  
times ranked

2288  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In silico</i> identification of potential phytochemical inhibitors targeting farnesyl diphosphate synthase of cotton bollworm ( <i>Helicoverpa armigera</i> ). Journal of Biomolecular Structure and Dynamics, 2023, 41, 1978-1987.	2.0	5
2	Biochemical characterization and structure-based <i>in silico</i> screening of potent inhibitor molecules against the 1 cys peroxiredoxin of bacterioferritin comigratory protein family from <i>Candidatus Liberibacter asiaticus</i> . Journal of Biomolecular Structure and Dynamics, 2023, 41, 5776-5788.	2.0	4
3	Biophysical and modeling-based approach for the identification of inhibitors against DOHH from <i>Leishmania donovani</i> . Briefings in Functional Genomics, 2023, 22, 217-226.	1.3	2
4	Computational guided identification of novel potent inhibitors of N-terminal domain of nucleocapsid protein of severe acute respiratory syndrome coronavirus 2. Journal of Biomolecular Structure and Dynamics, 2022, 40, 4084-4099.	2.0	31
5	Antagonistic interaction between TTA-A2 and paclitaxel for anti-cancer effects by complex formation with T-type calcium channel. Journal of Biomolecular Structure and Dynamics, 2022, 40, 2395-2406.	2.0	19
6	<i>In-silico</i> screening and identification of potential inhibitors against 2Cys peroxiredoxin of <i>Candidatus Liberibacter asiaticus</i> . Journal of Biomolecular Structure and Dynamics, 2022, 40, 8725-8739.	2.0	10
7	MD simulation and MM/PBSA identifies phytochemicals as bifunctional inhibitors of SARS-CoV-2. Journal of Biomolecular Structure and Dynamics, 2022, 40, 12048-12061.	2.0	5
8	Improvement in error performance of optical communication system using quantum detection theory. Journal of Optics (India), 2022, 51, 505-513.	0.8	2
9	Structural insights into dihydroxylation of terephthalate, a product of polyethylene terephthalate degradation. Journal of Bacteriology, 2022, , JB0054321.	1.0	7
10	Emerging SARS-CoV-2 Variants: Genetic Variability and Clinical Implications. Current Microbiology, 2022, 79, 20.	1.0	48
11	Alphavirus antivirals targeting RNA-dependent RNA polymerase domain of nsP4 divulged using surface plasmon resonance. FEBS Journal, 2022, 289, 4901-4924.	2.2	2
12	Biochemical and structural basis for <i>Moraxella catarrhalis</i> enoyl-acyl carrier protein reductase (FabI) inhibition by triclosan and estradiol. Biochimie, 2022, 198, 8-22.	1.3	1
13	Quantum Mechanics/Molecular Mechanics Studies on the Catalytic Mechanism of a Novel Esterase (FmtA) of <i>Staphylococcus aureus</i> . Journal of Chemical Information and Modeling, 2022, 62, 2409-2420.	2.5	23
14	Bacterial histidine kinases as potential antibacterial drug targets. , 2022, , 711-734.		1
15	Conformational flexibility enables catalysis of phthalate cis-4,5-dihydrodiol dehydrogenase. Archives of Biochemistry and Biophysics, 2022, 727, 109314.	1.4	2
16	<i>In-silico</i> functional and structural annotation of hypothetical protein from <i>Klebsiella pneumoniae</i> : A potential drug target. Journal of Molecular Graphics and Modelling, 2022, 116, 108262.	1.3	23
17	Structure-Based Identification of Potential Drugs Against FmtA of <i>Staphylococcus aureus</i> : Virtual Screening, Molecular Dynamics, MM-GBSA, and QM/MM. Protein Journal, 2021, 40, 148-165.	0.7	47
18	A molecular docking and dynamic approach to screen inhibitors against ZnuA1 of <i>Candidatus Liberibacter asiaticus</i> . Molecular Simulation, 2021, 47, 510-525.	0.9	18

#	ARTICLE	IF	CITATIONS
19	Antiviral strategies targeting host factors and mechanisms obliging +ssRNA viral pathogens. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 46, 116356.	1.4	45
20	Characterization of recombinant pumpkin 2S albumin and mutation studies to unravel potential DNA/RNA binding site. <i>Biochemical and Biophysical Research Communications</i> , 2021, 580, 28-34.	1.0	13
21	Chikungunya virus titration, detection and diagnosis using N-Acetylglucosamine (GlcNAc) specific lectin based virus capture assay. <i>Virus Research</i> , 2021, 302, 198493.	1.1	6
22	Multifunctional inhibitors of SARS-CoV-2 by MM/PBSA, essential dynamics, and molecular dynamic investigations. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 107, 107969.	1.3	21
23	Structure of dye-decolorizing peroxidase from <i>Bacillus subtilis</i> in complex with veratryl alcohol. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 601-608.	3.6	27
24	Deciphering the enigma of missing DNA binding domain of LacI family transcription factors. <i>Archives of Biochemistry and Biophysics</i> , 2021, 713, 109060.	1.4	3
25	Molecular insights into substrate recognition and catalysis by phthalate dioxygenase from <i>Comamonas testosteroni</i> . <i>Journal of Biological Chemistry</i> , 2021, 297, 101416.	1.6	17
26	Molecular docking and simulation analysis for elucidation of toxic effects of dicyclohexyl phthalate (DCHP) in glucocorticoid receptor-mediated adipogenesis. <i>Molecular Simulation</i> , 2020, 46, 9-21.	0.9	24
27	Characterization of the heavy metal binding properties of periplasmic metal uptake protein CLas-ZnuA2. <i>Metallomics</i> , 2020, 12, 280-289.	1.0	11
28	Mutation studies and structure-based identification of potential inhibitor molecules against periplasmic amino acid binding protein of <i>Candidatus Liberibacter asiaticus</i> (CLasTcyA). <i>International Journal of Biological Macromolecules</i> , 2020, 147, 1228-1238.	3.6	23
29	Biophysical and In-Silico Studies of Phytochemicals Targeting Chorismate Synthase from Drug-Resistant <i>Moraxella Catarrhalis</i> . <i>Protein Journal</i> , 2020, 39, 449-460.	0.7	6
30	Characterization of dye-decolorizing peroxidase from <i>Bacillus subtilis</i> . <i>Archives of Biochemistry and Biophysics</i> , 2020, 693, 108590.	1.4	61
31	Structural and Biochemical Analyses Reveal that Chlorogenic Acid Inhibits the Shikimate Pathway. <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	12
32	Structural characterization and in-silico analysis of <i>Momordica charantia</i> 7S globulin for stability and ACE inhibition. <i>Scientific Reports</i> , 2020, 10, 1160.	1.6	32
33	In-silico approach to identify novel potent inhibitors against GraR of <i>S aureus</i> . <i>Frontiers in Bioscience - Landmark</i> , 2020, 25, 1337-1360.	3.0	39
34	Phthalates – A class of ubiquitous pollutant: Microbial and enzymatic degradation perspectives. , 2020, , 487-513.		0
35	Bioremediation of synthetic dyes: Dye decolorizing peroxidases (DyPs). , 2020, , 453-486.		1
36	Performance of 3T-ANC based orthogonal frequency-division-multiplexed optical wireless link with pointing error. <i>Journal of Optics (India)</i> , 2019, 48, 400-411.	0.8	0

#	ARTICLE	IF	CITATIONS
37	Repurposing an Ancient Protein Core Structure: Structural Studies on FmtA, a Novel Esterase of <i>Staphylococcus aureus</i> . <i>Journal of Molecular Biology</i> , 2019, 431, 3107-3123.	2.0	51
38	Molecular docking and dynamic approach to virtual screen inhibitors against Esbp of <i>Candidatus Liberibacter asiaticus</i> . <i>Journal of Molecular Graphics and Modelling</i> , 2019, 92, 329-340.	1.3	28
39	Characterization of phthalate reductase from <i>Ralstonia eutropha</i> CH34 and in silico study of phthalate dioxygenase and phthalate reductase interaction. <i>Journal of Molecular Graphics and Modelling</i> , 2019, 90, 161-170.	1.3	23
40	Crystal structures of a putative periplasmic cysteine-binding protein from <i>Candidatus Liberibacter asiaticus</i> : insights into an adapted mechanism of ligand binding. <i>FEBS Journal</i> , 2019, 286, 3450-3472.	2.2	7
41	Glycan-dependent chikungunya viral infection divulged by antiviral activity of NAG specific chi-like lectin. <i>Virology</i> , 2019, 526, 91-98.	1.1	29
42	Structure-function insights into chikungunya virus capsid protein: Small molecules targeting capsid hydrophobic pocket. <i>Virology</i> , 2018, 515, 223-234.	1.1	45
43	Crystal structure of chikungunya virus nsP2 cysteine protease reveals a putative flexible loop blocking its active site. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 451-462.	3.6	44
44	Biophysical and in silico interaction studies of aporphine alkaloids with Malonyl-CoA: ACP transacylase (FabD) from drug resistant <i>Moraxella catarrhalis</i> . <i>Biochimie</i> , 2018, 149, 18-33.	1.3	10
45	Characterization of isoflavonoids as inhibitors of $\beta$ -hydroxyacyl-acyl carrier protein dehydratase (FabZ) from <i>Moraxella catarrhalis</i> : Kinetics, spectroscopic, thermodynamics and in silico studies. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 726-744.	1.1	8
46	In vitro metal catalyzed oxidative stress in DAH7PS: Methionine modification leads to structure destabilization and induce amorphous aggregation. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 1089-1106.	3.6	6
47	Performance of OFDM-FSO link with analog network coding. <i>Photonic Network Communications</i> , 2018, 35, 210-224.	1.4	6
48	Structure based mimicking of Phthalic acid esters (PAEs) and inhibition of hACMSD, an important enzyme of the tryptophan kynurenine metabolism pathway. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 214-224.	3.6	38
49	Biochemical and biophysical characterization of 1,4-naphthoquinone as a dual inhibitor of two key enzymes of type II fatty acid biosynthesis from <i>Moraxella catarrhalis</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 1131-1142.	1.1	9
50	The inhibitory and binding studies of methyl-sulfone hydroxamate based inhibitors against LpxC from drug resistant <i>Moraxella catarrhalis</i> using biophysical, biochemical and in silico approaches. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1747-1762.	3.6	3
51	The analysis of subtle internal communications through mutation studies in periplasmic metal uptake protein CLas-ZnuA2. <i>Journal of Structural Biology</i> , 2018, 204, 228-239.	1.3	6
52	Acyl chain preference and inhibitor identification of <i>Moraxella catarrhalis</i> LpxA: Insight through crystal structure and computational studies. <i>International Journal of Biological Macromolecules</i> , 2017, 96, 759-765.	3.6	10
53	Biodegradation of phthalic acid esters (PAEs) and in silico structural characterization of mono-2-ethylhexyl phthalate (MEHP) hydrolase on the basis of close structural homolog. <i>Journal of Hazardous Materials</i> , 2017, 338, 11-22.	6.5	96
54	Evaluation of antiviral activity of piperazine against Chikungunya virus targeting hydrophobic pocket of alphavirus capsid protein. <i>Antiviral Research</i> , 2017, 146, 102-111.	1.9	47

#	ARTICLE	IF	CITATIONS
55	Structure of Chorismate Mutase-like Domain of DAHPS from <i>Bacillus subtilis</i> Complexed with Novel Inhibitor Reveals Conformational Plasticity of Active Site. <i>Scientific Reports</i> , 2017, 7, 6364.	1.6	12
56	A novel function for globulin in sequestering plant hormone: Crystal structure of <i>Wrightia tinctoria</i> 11S globulin in complex with auxin. <i>Scientific Reports</i> , 2017, 7, 4705.	1.6	7
57	Conformer and pharmacophore based identification of peptidomimetic inhibitors of chikungunya virus nsP2 protease. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 3522-3539.	2.0	15
58	Structural, Functional and Evolutionary Aspects of Seed Globulins. <i>Protein and Peptide Letters</i> , 2017, 24, 267-277.	0.4	15
59	Purification and Characterization of 2S Albumin from Seeds of <i>Wrightia tinctoria</i> Exhibiting Antibacterial and DNase Activity. <i>Protein and Peptide Letters</i> , 2017, 24, 368-378.	0.4	12
60	Inhibition of chikungunya virus by picolinate that targets viral capsid protein. <i>Virology</i> , 2016, 498, 265-276.	1.1	57
61	Characterization of substrate binding and enzymatic removal of a 3-methyladenine lesion from genomic DNA with TAG of <i>MDR A. baumannii</i> . <i>Molecular BioSystems</i> , 2016, 12, 3259-3265.	2.9	1
62	Crystal structure of pentapeptide-independent chemotaxis receptor methyltransferase (CheR) reveals idiosyncratic structural determinants for receptor recognition. <i>Journal of Structural Biology</i> , 2016, 196, 364-374.	1.3	8
63	Structural and Functional Significance of the N- and C-Terminal Appendages in <i>Arabidopsis</i> Truncated Hemoglobin. <i>Biochemistry</i> , 2016, 55, 1724-1740.	1.2	8
64	Structural Basis of the Enhanced Pollutant-Degrading Capabilities of an Engineered Biphenyl Dioxygenase. <i>Journal of Bacteriology</i> , 2016, 198, 1499-1512.	1.0	19
65	Performance improvement of OFDM-FSO multi-user communication system with combined transmit frequency diversity and receive space diversity. <i>Optics Communications</i> , 2016, 366, 410-418.	1.0	9
66	OBI reduction and optical power budget enhancement in OFDM-PON system using spreading code in electrical domain. <i>Optics Communications</i> , 2016, 361, 79-85.	1.0	3
67	Active-Site Plasticity Is Essential to Carbapenem Hydrolysis by OXA-58 Class D $\beta$ -Lactamase of <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 75-86.	1.4	17
68	Optical power budget enhancement in next-generation DDO-OFDM-based optical access networks using square root module. <i>Photonic Network Communications</i> , 2016, 31, 48-55.	1.4	4
69	Kinetic characterization of trans-proteolytic activity of Chikungunya virus capsid protease and development of a FRET-based HTS assay. <i>Scientific Reports</i> , 2015, 5, 14753.	1.6	44
70	Receiver sensitivity improvement of OFDM-FSO link using SRM device. , 2015, , .		4
71	Electrical Spreading Code-Based OFDM Optical Access Networks for Budget Enhancement and Reduced System Bandwidth Requirement. <i>Journal of Optical Communications</i> , 2015, 36, .	4.0	0
72	Ligand-bound structures of 3-deoxy-D-manno-octulosonate 8-phosphate phosphatase from <i>Moraxella catarrhalis</i> reveal a water channel connecting to the active site for the second step of catalysis. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 239-255.	2.5	3

#	ARTICLE	IF	CITATIONS
73	Crystal structure of a periplasmic solute binding protein in metal-free, intermediate and metal-bound states from <i>Candidatus Liberibacter asiaticus</i> . <i>Journal of Structural Biology</i> , 2015, 189, 184-194.	1.3	18
74	Structural and functional evolution of chitinase-like proteins from plants. <i>Proteomics</i> , 2015, 15, 1693-1705.	1.3	39
75	Enhanced performance of FSO link using OFDM and comparison with traditional TDM-FSO link. , 2015, , .		13
76	Enhanced optical power budget in DDO-OFDM-PON and CO-OFDM-PON system using frequency diversity. , 2014, , .		0
77	Structural insights into the aggregation behavior of <i>Murraya koenigii</i> miraculin-like protein below pH 7.5. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014, 82, 830-840.	1.5	0
78	<i>trans</i> -Protease Activity and Structural Insights into the Active Form of the Alphavirus Capsid Protease. <i>Journal of Virology</i> , 2014, 88, 12242-12253.	1.5	24
79	Synthesis and structural studies of some copper-benzoate complexes. <i>Transition Metal Chemistry</i> , 2013, 38, 573-585.	0.7	4
80	Performance analysis of next generation OFDM based optical access networks using multi-level modulation under various system impairments. , 2013, , .		9
81	X-Ray crystallographic structural characteristics of Arabidopsis hemoglobin I and their functional implications. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1944-1956.	1.1	19
82	Purification, bio-chemical characterization, homology modeling and active site binding mode interactions of thermo-alkali-tolerant $\beta$ -1,4 endoxylanase from <i>Coprinus cinereus</i> LK-D-NCIM-1369. <i>Biocatalysis and Agricultural Biotechnology</i> , 2013, 2, 267-277.	1.5	10
83	Performance analysis of next generation 3-D OFDM based optical access networks under various system impairments. , 2013, , .		5
84	Next generation 3-D OFDM based optical access networks using FEC under various system impairments. <i>Proceedings of SPIE</i> , 2013, , .	0.8	2
85	Structural Investigation of a Novel N-Acetyl Glucosamine Binding Chi-Lectin Which Reveals Evolutionary Relationship with Class III Chitinases. <i>PLoS ONE</i> , 2013, 8, e63779.	1.1	19
86	Structural Characterization of Pandoraea pnomenusa B-356 Biphenyl Dioxygenase Reveals Features of Potent Polychlorinated Biphenyl-Degrading Enzymes. <i>PLoS ONE</i> , 2013, 8, e52550.	1.1	32
87	Structural Insight into DFMO Resistant Ornithine Decarboxylase from <i>Entamoeba histolytica</i> : An Inking to Adaptive Evolution. <i>PLoS ONE</i> , 2013, 8, e53397.	1.1	15
88	Purification and Biophysical Characterization of an 11S Globulin from <i>Wrightia tinctoria</i> Exhibiting Hemagglutinating Activity. <i>Protein and Peptide Letters</i> , 2013, 20, 499-509.	0.4	3
89	Biochemical, Mutational and In Silico Structural Evidence for a Functional Dimeric Form of the Ornithine Decarboxylase from <i>Entamoeba histolytica</i> . <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1559.	1.3	8
90	Structure and Function of Enzymes of Shikimate Pathway. <i>Current Bioinformatics</i> , 2012, 7, 374-391.	0.7	19

#	ARTICLE	IF	CITATIONS
91	Crimean-Congo Hemorrhagic Fever Virus: Strategies to Combat with an Emerging Threat to Human. <i>Current Bioinformatics</i> , 2012, 7, 467-477.	0.7	1
92	Structural insights into the metabolism of 2-chlorodibenzofuran by an evolved biphenyl dioxygenase. <i>Biochemical and Biophysical Research Communications</i> , 2012, 421, 757-762.	1.0	19
93	Structural basis for dual inhibitory role of tamarind Kunitz inhibitor (TKI) against factor Xa and trypsin. <i>FEBS Journal</i> , 2012, 279, 4547-4564.	2.2	29
94	Structure-Function Studies of DNA Binding Domain of Response Regulator KdpE Reveals Equal Affinity Interactions at DNA Half-Sites. <i>PLoS ONE</i> , 2012, 7, e30102.	1.1	19
95	Crystal Structure of Aura Virus Capsid Protease and Its Complex with Dioxane: New Insights into Capsid-Glycoprotein Molecular Contacts. <i>PLoS ONE</i> , 2012, 7, e51288.	1.1	26
96	An in silico approach to structural elucidation of 3-deoxy-d-arabino-heptulosonate 7-phosphate synthase from <i>Arabidopsis thaliana</i> : Hints for herbicide design. <i>Phytochemistry</i> , 2012, 73, 7-14.	1.4	6
97	Structural analysis of chorismate synthase from <i>Plasmodium falciparum</i> : A novel target for antimalaria drug discovery. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 767-777.	3.6	16
98	Structural Insight into the Expanded PCB-Degrading Abilities of a Biphenyl Dioxygenase Obtained by Directed Evolution. <i>Journal of Molecular Biology</i> , 2011, 405, 531-547.	2.0	45
99	Anaerobic crystallization and initial X-ray diffraction data of biphenyl 2,3-dioxygenase from <i>Burkholderia xenovorans</i> LB400: addition of agarose improved the quality of the crystals. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 59-63.	0.7	9
100	Crystallization, high-resolution data collection and preliminary crystallographic analysis of Aura virus capsid protease and its complex with dioxane. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 1394-1398.	0.7	6
101	Retuning Rieske-type Oxygenases to Expand Substrate Range. <i>Journal of Biological Chemistry</i> , 2011, 286, 27612-27621.	1.6	32
102	Biochemical Studies and Ligand-bound Structures of Biphenyl Dehydrogenase from <i>Pandoraea pnomenusa</i> Strain B-356 Reveal a Basis for Broad Specificity of the Enzyme. <i>Journal of Biological Chemistry</i> , 2011, 286, 37011-37022.	1.6	29
103	Expression, purification, crystallization and preliminary crystallographic studies of cis-biphenyl-2,3-dihydrodiol-2,3-dehydrogenase from <i>Pandoraea pnomenusa</i> B-356. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 1517-1520.	0.7	3
104	Cloning, sequence analysis and crystal structure determination of a miraculin-like protein from <i>Murraya koenigii</i> . <i>Archives of Biochemistry and Biophysics</i> , 2010, 494, 15-22.	1.4	22
105	Isolation, purification, crystallization and preliminary crystallographic studies of chitinase from tamarind ( <i>Tamarindus indica</i> ) seeds. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 343-345.	0.7	12
106	Purification, crystallization and preliminary crystallographic studies of a Kunitz-type proteinase inhibitor from tamarind ( <i>Tamarindus indica</i> ) seeds. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 736-738.	0.7	8
107	Crystallization and preliminary X-ray diffraction analysis of the complex of Kunitz-type tamarind trypsin inhibitor and porcine pancreatic trypsin. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 1179-1181.	0.7	5
108	Purification and characterization of a trypsin inhibitor from <i>Putranjiva roxburghii</i> seeds. <i>Phytochemistry</i> , 2008, 69, 2120-2126.	1.4	59

#	ARTICLE	IF	CITATIONS
109	The Tautomeric Half-reaction of BphD, a C-C Bond Hydrolase. <i>Journal of Biological Chemistry</i> , 2007, 282, 19894-19904.	1.6	34
110	Characterization of Biphenyl Dioxygenase of <i>Pandoraea pnomenusa</i> B-356 As a Potent Polychlorinated Biphenyl-Degrading Enzyme. <i>Journal of Bacteriology</i> , 2007, 189, 5705-5715.	1.0	53
111	Crystallization and preliminary X-ray diffraction studies of <i>Murraya koenigi</i> trypsin inhibitor. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 318-319.	0.7	7
112	Design of peptides with $\hat{1}\pm, \hat{1}^2$ -dehydro-residues: syntheses, crystal structures and molecular conformations of two $\hat{1}^1$ Phe-Trp containing peptides. <i>Journal of Molecular Structure</i> , 2003, 654, 103-110.	1.8	5
113	Design of peptides with $\hat{1}\pm, \hat{1}^2$ -dehydro-residues: synthesis, crystal structure and molecular conformation of a tetrapeptide Z- $\hat{1}^1$ Val-Val- $\hat{1}^1$ Phe-Ile-Ome. <i>Journal of Molecular Structure</i> , 2003, 654, 119-124.	1.8	13
114	Crystal Structure of a Novel Regulatory 40-kDa Mammary Gland Protein (MGP-40) Secreted during Involution. <i>Journal of Biological Chemistry</i> , 2003, 278, 14451-14460.	1.6	61
115	Design of peptides with $\hat{1}\pm, \hat{1}^2$ -dehydro residues: pseudo-tripeptide N-benzyloxycarbonyl- $\hat{1}^1$ Leu- $\hat{1}^1$ L-Ala- $\hat{1}^1$ L-Leu- $\hat{1}^1$ OCH <sub>3</sub> . <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002, 58, o212-o214.	0.4	1
116	Crystal structure of equine apolactoferrin at 303 $\hat{a}$ €...K providing further evidence of closed conformations of N and C lobes. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 225-232.	2.5	9
117	Crystallization and structure determination of goat lactoferrin at 4.0 Å resolution: a new form of packing in lactoferrins with a high solvent content in crystals. <i>Indian Journal of Biochemistry and Biophysics</i> , 2002, 39, 16-21.	0.2	8
118	Camel Lactoferrin, a Transferrin-cum-Lactoferrin: Crystal Structure of Camel Apolactoferrin at 2.6Å... Resolution and Structural Basis of its Dual Role. <i>Journal of Molecular Biology</i> , 2001, 309, 751-761.	2.0	80
119	Structure of a Serine Protease Proteinase K from <i>Tritirachium album</i> limber at 0.98 Å... Resolution. <i>Biochemistry</i> , 2001, 40, 3080-3088.	1.2	128
120	Design, Synthesis and Structural Aspects of Terdentate (N,O,Se/Te) Donors and their Competitive Coordination Behavior towards Pt(II). Phosphorus, Sulfur and Silicon and the Related Elements, 2001, 172, 231-238.	0.8	1
121	Structure and function of proteins involved in milk allergies. <i>Biomedical Applications</i> , 2001, 756, 183-187.	1.7	77
122	Design of peptides with $\hat{1}\pm, \hat{1}^2$ -dehydro residues: a dipeptide with a branched $\hat{1}^2$ -carbon dehydro residue at the (i+1) position, methyl N-(benzyloxycarbonyl)- $\hat{1}\pm, \hat{1}^2$ -didehydrovalyl-L-tryptophanate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 1220-1221.	0.4	9
123	A novel 40 $\hat{a}$ €...kDa protein from goat mammary secretions: purification, crystallization and preliminary X-ray diffraction studies. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 1332-1333.	2.5	2
124	Purification, crystallization and preliminary X-ray diffraction studies of disintegrin (schistatin) from saw-scaled viper ( <i>Echis carinatus</i> ). <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 1669-1670.	2.5	4
125	Design, Synthesis and Structural Aspects of Acyclic N3E2(E=Se or Te) Type Donors and its Complexes with Group 12 Metals. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2001, 172, 223-230.	0.8	5
126	Protein Intermediate Trapped by the Simultaneous Crystallization Process. <i>Journal of Biological Chemistry</i> , 2001, 276, 36817-36823.	1.6	20