# P Balaram

List of Publications by Year
in descending order

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| 199 | 10,139 | 34493 | 48101 |
|---|---|---|---|
| papers | citations | 54 h-index | 92 g-index |

| 203 | 203 | 203 | 5208 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Glycation of albumin and its implication in Diabetes: A comprehensive analysis using mass spectrometry. Clinica Chimica Acta, 2021, 520, 108-117. | 0.5 | 7 |
| 2 | Cone snail analogs of the pituitary hormones oxytocin/vasopressin and their carrier protein neurophysin. Proteomic and transcriptomic identification of conopressins and conophysins. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140391. | 1.1 | 10 |
| 3 | Cone snail prolyl-4-hydroxylase Î±-subunit sequences derived from transcriptomic data and mass spectrometric analysis of variable proline hydroxylation in C. amadis venom. Journal of Proteomics, 2019, 194, 37-48. | 1.2 | 3 |
| 4 | Mass spectrometric identification of bromotryptophan containing conotoxin sequences from the venom of C.Âamadis. Toxicon, 2018, 144, 68-74. | 0.8 | 9 |
| 5 | Structural characterization of folded and extended conformations in peptides containing Î³ amino acids with proteinogenic side chains: crystal structures of Î³<sub>n</sub>, (Î±Î³)<sub>n</sub> and Î³Î³Î²Î³ sequences. New Journal of Chemistry, 2015, 39, 3319-3326. | 1.4 | 4 |
| 6 | Detection of the protein dimers, multiple monomeric states and hydrated forms of Plasmodium falciparum triosephosphate isomerase in the gas phase. Protein Engineering, Design and Selection, 2009, 22, 289-304. | 1.0 | 4 |
| 7 | Cystine peptides Antiparallel Î²-sheet conformation of the cyclic biscystine pep tide [Boc-Cys-Ala-Cys-NHCH3]2. International Journal of Peptide and Protein Research, 2009, 34, 37-41. | 0.1 | 19 |
| 8 | Characterization of folded conformations in a tetrapeptide containing two tryptophan residues by vibrational circular dichroism. Chirality, 2009, 21, E76-85. | 1.3 | 7 |
| 9 | The Indian Institute of Science: Marking a Centenary. Resonance, 2009, 14, 416-429. | 0.2 | 0 |
| 10 | De novo design: backbone conformational constraints in nucleating helices andÎ²-hairpins. Chemical Biology and Drug Design, 2008, 54, 195-199. | 1.2 | 34 |
| 11 | A combined extended and helical backbone for Boc-(Ala-Leu-Ac7c-)2-OMe*. Chemical Biology and Drug Design, 2008, 63, 175-180. | 1.2 | 11 |
| 12 | Aromatic interactions in tryptophan-containing peptides: crystal structures of model tryptophan peptides and phenylalanine analogs*. Chemical Biology and Drug Design, 2008, 65, 113-129. | 1.2 | 23 |
| 13 | Expanding the polypeptide backbone: hydrogen-bonded conformations in hybrid polypeptides containing the higher homologues of Î±-amino acids. Journal of the Royal Society Interface, 2007, 4, 587-606. | 1.5 | 67 |
| 14 | Tryptophan-containing peptide helices: interactions involving the indole side chain*. Chemical Biology and Drug Design, 2005, 66, 277-296. | 1.2 | 22 |
| 15 | Â,Â hybrid peptides: A polypeptide helix with a central segment containing two consecutive Â-amino acid residues. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16478-16482. | 3.3 | 53 |
| 16 | Conformational properties of hybrid peptides containing alpha- and omega-amino acids*. Chemical Biology and Drug Design, 2004, 63, 279-289. | 1.2 | 43 |
| 17 | Peptide helices with pendant cycloalkane rings. Characterization of conformations of 1-aminocyclooctane-1-carboxylic acid (Ac8 c) residues in peptides. Journal of Peptide Science, 2004, 10, 160-172. | 0.8 | 7 |
| 18 | Structures of Unliganded and Inhibitor Complexes of W168F, a Loop6 Hinge Mutant of Plasmodium falciparum Triosephosphate Isomerase: Observation of an Intermediate Position of Loop6. Journal of Molecular Biology, 2004, 343, 671-684. | 2.0 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Non-protein amino acids in peptide design. Journal of Chemical Sciences, 2003, 115, 373-400. | 0.7 | 62 |
| 20 | Crystal structure of a hydrophobic 19-residue peptide helix containing three centrally located D amino acids. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13946-13951. | 3.3 | 37 |
| 21 | Infinite pleated Â-sheet formed by the Â-hairpin Boc-Â-Phe-Â-Phe-D-Pro-Gly-Â-Phe-Â-Phe-OMe. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5160-5164. | 3.3 | 71 |
| 22 | Subunit interface mutation disrupting an aromatic cluster in Plasmodium falciparum triosephosphate isomerase: effect on dimer stability. Protein Engineering, Design and Selection, 2002, 15, 575-584. | 1.0 | 22 |
| 23 | Structure of the Plasmodium falciparum Triosephosphate Isomeraseâ^'Phosphoglycolate Complex in Two Crystal Forms:â€‰ Characterization of Catalytic Loop Open and Closed Conformations in the Ligand-Bound State,. Biochemistry, 2002, 41, 13178-13188. | 1.2 | 40 |
| 24 | Structural analysis of peptide helices containing centrally positioned lactic acid residues. Biopolymers, 2002, 64, 255-267. | 1.2 | 14 |
| 25 | Structures ofPlasmodium falciparumtriosephosphate isomerase complexed to substrate analogues: observation of the catalytic loop in the open conformation in the ligand-bound state. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 1992-2000. | 2.5 | 15 |
| 26 | Synthetic peptides as inactivators of multimeric enzymes: inhibition ofPlasmodium falciparumtriosephosphate isomerase by interface peptides. FEBS Letters, 2001, 501, 19-23. | 1.3 | 48 |
| 27 | Design of Folded Peptides. Chemical Reviews, 2001, 101, 3131-3152. | 23.0 | 641 |
| 28 | Helical peptide models for protein glycation: proximity effects in catalysis of the Amadori rearrangement. Chemistry and Biology, 2001, 8, 611-625. | 6.2 | 69 |
| 29 | Spermidine as a potential biosynthetic precursor to the 1,5-diazabicyclo[4:3:0]nonene residue in the efrapeptins. Chemical Biology and Drug Design, 2001, 58, 375-379. | 1.2 | 7 |
| 30 | Designed ?-hairpin peptides with defined tight turn stereochemistry. Biopolymers, 2001, 58, 335-346. | 1.2 | 48 |
| 31 | Solvent-induced ?-hairpin to helix conformational transition in a designed peptide. Biopolymers, 2001, 58, 465-476. | 1.2 | 33 |
| 32 | Effects of hydrogen-bond deletion on peptide helices: Structural characterization of depsipeptides containing lactic acid. Biopolymers, 2001, 59, 276-289. | 1.2 | 25 |
| 33 | Molecular Carpentry: Piecing Together Helices and Hairpins in Designed Peptides. Chemistry - A European Journal, 2001, 7, 840-847. | 1.7 | 16 |
| 34 | Peptide hybrids containing Â- and Â-amino acids: Structure of a decapeptide Â-hairpin with two facing Â-phenylalanine residues. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 3716-3719. | 3.3 | 77 |
| 35 | Comparison of helix-stabilizing effects of Î±,Î±-dialkyl glycines with linear and cycloalkyl side chains. Biopolymers, 2000, 53, 84-98. | 1.2 | 52 |
| 36 | Conformational choice at Î±,Î±-Di-n-propylglycine residues: Helical or fully extended structures?. Biopolymers, 2000, 54, 159-167. | 1.2 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Context-dependent conformation of diethylglycine residues in peptides. Chemical Biology and Drug Design, 2000, 55, 271-278. | 1.2 | 4 |
| 38 | Synthetic protein design: construction of a four-stranded Î²-sheet structure and evaluation of its integrity in methanol-water systems. Chemical Biology and Drug Design, 2000, 56, 307-317. | 1.2 | 15 |
| 39 | De novo protein design: Crystallographic characterization of a synthetic peptide containing independent helical and hairpin domains. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 3034-3037. | 3.3 | 66 |
| 40 | Structural and thermodynamic consequences of introducing Î±-aminoisobutyric acid in the S peptide of ribonuclease S. Protein Engineering, Design and Selection, 2000, 13, 697-702. | 1.0 | 15 |
| 41 | An Unusual Câ€“H Â· Â· Â· O Hydrogen Bond Mediated Reversal of Polypeptide Chain Direction in a Synthetic Peptide Helix. Biochemical and Biophysical Research Communications, 2000, 273, 933-936. | 1.0 | 21 |
| 42 | Vibrational Circular Dichroism of Î²-Hairpin Peptides. Journal of the American Chemical Society, 2000, 122, 8228-8231. | 6.6 | 77 |
| 43 | Comparison of helix-stabilizing effects of Î±,Î±-dialkyl glycines with linear and cycloalkyl side chains. Biopolymers, 2000, 53, 84. | 1.2 | 1 |
| 44 | De novo protein design: crystallographic characterization of a synthetic peptide containing independent helical and hairpin domains. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 3034-7. | 3.3 | 22 |
| 45 | Unusual stability of a multiply nicked form of Plasmodium falciparum triosephosphate isomerase. Chemistry and Biology, 1999, 6, 625-637. | 6.2 | 14 |
| 46 | Stereochemical Control of Peptide Folding. Bioorganic and Medicinal Chemistry, 1999, 7, 105-117. | 1.4 | 161 |
| 47 | Fluoroalcohols as structure modifiers in peptides and proteins: hexafluoroacetone hydrate stabilizes a helical conformation of melittin at low pH. Chemical Biology and Drug Design, 1999, 54, 100-111. | 1.2 | 24 |
| 48 | A four stranded Î²-sheet structure in a designed, synthetic polypeptide. Chemical Communications, 1999, , 967-968. | 2.2 | 25 |
| 49 | Insertion of Methylene Units into the Turn Segment of Designed Î²-Hairpin Peptides. Journal of the American Chemical Society, 1999, 121, 5360-5363. | 6.6 | 33 |
| 50 | Unfolding ofPlasmodium falciparumTriosephosphate Isomerase in Urea and Guanidinium Chloride:Â Evidence for a Novel Disulfide Exchange Reaction in a Covalently Cross-Linked Mutantâ€. Biochemistry, 1999, 38, 423-431. | 1.2 | 56 |
| 51 | 1-Anilino-8-naphthalene-sulfonate (ANS) Binding to Proteins Investigated by Electrospray Ionization Mass Spectrometry:â€‰ Correlation of Gas-Phase Dye Binding to Population of Molten Globule States in Solution. Journal of Physical Chemistry B, 1999, 103, 7068-7072. | 1.2 | 14 |
| 52 | Cavity-Creating Mutation at the Dimer Interface ofPlasmodium falciparumTriosephosphate Isomerase:Â Restoration of Stability by Disulfide Cross-Linking of Subunitsâ€. Biochemistry, 1999, 38, 478-486. | 1.2 | 26 |
| 53 | Disulfide engineering at the dimer interface of lactobacillus casei thymidylate synthase: Crystal structure of the T155C/E188C/C244T mutant. Protein Science, 1999, 8, 930-933. | 3.1 | 17 |
| 54 | Solid state and solution conformations of a helical peptide with a central gly-gly segment. , 1998, 38, 515-526. | | 26 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Omega amino acids in peptide design: incorporation into helices. , 1998, 39, 769-777. | | 40 |
| 56 | Conformational interconversions in peptide Î²-turns: Discrimination between enantiomeric conformations by chiral perturbation. Biopolymers, 1998, 45, 191-202. | 1.2 | 4 |
| 57 | Folded conformations of antigenic peptides from riboflavin carrier protein in aqueous hexafluoroacetone. Protein Science, 1998, 7, 123-131. | 3.1 | 6 |
| 58 | A Designed Three Stranded Î²-Sheet Peptide as a Multiple Î²-Hairpin Model. Journal of the American Chemical Society, 1998, 120, 5812-5813. | 6.6 | 87 |
| 59 | Stereochemical punctuation marks in protein structures: glycine and proline containing helix stop signals 1 1Edited by J. Thornton. Journal of Molecular Biology, 1998, 275, 917-932. | 2.0 | 117 |
| 60 | Crystal structure of the channel-forming polypeptide antiamoebin in a membrane-mimetic environment. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 5501-5504. | 3.3 | 65 |
| 61 | Peptide design: Crystal structure of a helical peptide module attached to a potentially nonhelical amino terminal segment. Biopolymers, 1998, 39, 75-83. | 1.2 | 7 |
| 62 | Beta-hairpins in proteins revisited: lessons for de novo design. Protein Engineering, Design and Selection, 1997, 10, 1131-1141. | 1.0 | 171 |
| 63 | Stereochemistry of linking segments in the design of helixâ€“helix motifs in peptides. Crystallographic comparison of a glycylâ€“dipropylglycylâ€“glycyl segment in a tripeptide and a 14-residue peptide. Journal of the Chemical Society Perkin Transactions II, 1997, , 1659-1664. | 0.9 | 11 |
| 64 | Peptide design. Helixâ€“helix motifs in synthetic sequences. Journal of the Chemical Society Perkin Transactions II, 1997, , 2087-2094. | 0.9 | 21 |
| 65 | Ï‰-Amino Acids in Peptide Design. Crystal Structures and Solution Conformations of Peptide Helices Containing a Î²-Alanyl-Î³-Aminobutyryl Segment. Journal of the American Chemical Society, 1997, 119, 9087-9095. | 6.6 | 120 |
| 66 | Characterization of Helix Terminating Schellman Motifs in Peptides. Crystal Structure and Nuclear Overhauser Effect Analysis of a Synthetic Heptapeptide Helix. Journal of the American Chemical Society, 1997, 119, 9246-9251. | 6.6 | 29 |
| 67 | Triosephosphate isomerase from Plasmodium falciparum:. the crystal structure provides insights into antimalarial drug design. Structure, 1997, 5, 751-761. | 1.6 | 135 |
| 68 | Design of two-helix motifs in peptides: crystal structure of a system of linked helices of opposite chirality and a model helixâ€“linker peptide. Folding & Design, 1997, 2, 203-210. | 4.5 | 21 |
| 69 | Stereochemical Analysis of Higher Î±,Î±-Dialkylglycine Containing Peptides. Characterization of Local Helical Conformations at Dipropylglycine Residues and Observation of a Novel Hydrated Multiple Î²-Turn Structure in Crystals of a Glycine Rich Peptide. Journal of the American Chemical Society, 1997, 119, 12048-12054. | 6.6 | 65 |
| 70 | Hexafluoroacetone hydrate as a structure modifier in proteins: Characterization of a molten globule state of hen eggâ€white lysozyme. Protein Science, 1997, 6, 1065-1073. | 3.1 | 36 |
| 71 | Polymyxin B nonapeptide: Conformations in water and in the lipopolysaccharide-bound state determined by two-dimensional NMR and molecular dynamics. Biopolymers, 1997, 41, 251-265. | 1.2 | 63 |
| 72 | Conformational variability of Gly-Gly segments in peptides: A comparison of the crystal structures of an acyclic pentapeptide and an octapeptide. Biopolymers, 1997, 41, 331-336. | 1.2 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | â€œTeflon-coated peptidesâ€: Hexafluoroacetone trihydrate as a structure stabilizer for peptides. , 1997, 42, 125-128. | | 63 |
| 74 | Amino acid-lanthanide interactionsâ€”2. The X-ray crystal structures of lanthanide and calcium complexes of 1-amino cyclohexane-1-carboxylic acid (Acc6), [Nd2(Acc6)6(H2O)6](ClO4)6Â·(H2O)6 (1), [Er2(Acc6)4(H2O)8](ClO4)6Â·(H2O)11 (2) and [Ca5(Acc6)12(H2O)6](ClO4)10Â·(H2O)4 (3). Polyhedron, 1997, 16, 507-514. | 1.0 | 22 |
| 75 | Heterogeneity and Stability of Helical Conformations in Peptides:Â Crystallographic and NMR Studies of a Model Heptapeptide. Journal of the American Chemical Society, 1996, 118, 9477-9483. | 6.6 | 41 |
| 76 | A designed beta-hairpin peptide in crystals.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 8189-8193. | 3.3 | 172 |
| 77 | Covalent tethering of the dimer interface annuls aggregation in thymidylate synthase. Protein Science, 1996, 5, 270-277. | 3.1 | 10 |
| 78 | Effects of End Group and Aggregation on Helix Conformation: Crystal Structure of Ac-(Aib-Val-Ala-Leu)2-Aib- OMe. Journal of Peptide Science, 1996, 2, 106-116. | 0.8 | 3 |
| 79 | NMR Analysis of a Conformational Transition in an Acyclic Peptide. Model System for Studying Helix Unfolding. The Journal of Physical Chemistry, 1996, 100, 19666-19671. | 2.9 | 13 |
| 80 | Conformationâ€”activity correlations for chemotactic tripeptide analogs incorporating dialkyl residues with linear and cyclic alkyl sidechains at position 2. International Journal of Peptide and Protein Research, 1996, 48, 312-318. | 0.1 | 18 |
| 81 | A model for the interaction of trifluoroethanol with peptides and proteins. International Journal of Peptide and Protein Research, 1996, 48, 328-336. | 0.1 | 167 |
| 82 | Crystal structures of a nonapeptide helix containing Î±, Î±â€diâ€nâ€butylglycine (Dbg), Bocâ€G1yâ€Dbgâ€Alaâ€Valâ€Alaâ€Leuâ€Aibâ€Valâ€Leuâ€OMe. International Journal of Peptide and Protein Research, 1996, 47, 376-382. | 0.1 | 61 |
| 83 | Solid state and solution conformations of a helical peptide with a central gly-gly segment. , 1996, 38, 515. | | 17 |
| 84 | Omega amino acids in peptide design: incorporation into helices. , 1996, 39, 769. | | 13 |
| 85 | ?-Turn conformations in crystal structures of model peptides containing ?,?-Di-n-propylglycine and ?,?-Di-n-butylglycine. Biopolymers, 1995, 35, 1-9. | 1.2 | 31 |
| 86 | Contrasting solution conformations of peptides containing ?,?-dialkylated residues with linear and cyclic side chains. Biopolymers, 1995, 35, 11-20. | 1.2 | 57 |
| 87 | Peptide design. Structural evaluation of potential nonhelical segments attached to helical modules.. Journal of the American Chemical Society, 1995, 117, 9632-9637. | 6.6 | 38 |
| 88 | A Designed Î²-Hairpin Peptide. Biochemical and Biophysical Research Communications, 1995, 216, 375-381. | 1.0 | 84 |
| 89 | Enhancing peptide antigenicity by helix stabilization. FEBS Letters, 1995, 361, 176-178. | 1.3 | 16 |
| 90 | Facile transition between 3<sub>10</sub>â€and Î±â€helix: Structures of 8â€, 9â€, and 10â€residue peptides containing the â€(Leuâ€Aibâ€Ala)<sub>2</sub>â€Pheâ€Aibâ€fragment. Protein Science, 1994, 3, 1547-1555. | 3.1 | 61 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Coexistence of Folded and Extended Conformations of a Tripeptide Containing Î±,Î±-Di-n-propylglycine in Crystals. Biochemical and Biophysical Research Communications, 1994, 198, 424-430. | 1.0 | 20 |
| 92 | Incorporation of a Potentially Helix-Breaking D-Phe-Pro Sequence into the Center of a Right-Handed 16-Residue Peptide Helix. Biochemical and Biophysical Research Communications, 1994, 202, 241-245. | 1.0 | 15 |
| 93 | Nonstandard Amino Acids in Conformational Design of Peptides. Helical Structures in Crystals of 5-10 Residue Peptides Containing Dipropylglycine and Dibutylglycine. Journal of the American Chemical Society, 1994, 116, 10355-10361. | 6.6 | 58 |
| 94 | Thermal stabilization of thymidylate synthase by engineering two disulfide bridges across the dimer interface. Journal of Molecular Biology, 1994, 235, 89-94. | 2.0 | 53 |
| 95 | Peptideâ€lanthanide interactions. International Journal of Peptide and Protein Research, 1994, 43, 19-22. | 0.1 | 4 |
| 96 | Accommodation of aD-Phe residue into a right-handed 310-helix: Structure of Boc-D-Phe-(Aib)4-Gly-L-Leu-(Aib)2-Ome, an analogue of the amino terminal segment of antiamoebins and emerimicins. Biopolymers, 1993, 33, 401-407. | 1.2 | 10 |
| 97 | Unfolding of an ?-helix in peptide crystals by solvation: Conformational fragility in a heptapeptide. Biopolymers, 1993, 33, 827-837. | 1.2 | 62 |
| 98 | Stereochemical constraints in peptide design: Analysis of the influence of a disulfide bridge and an ?-aminoisobutyryl residue on the conformation of a hexapeptide. Biopolymers, 1993, 33, 865-871. | 1.2 | 6 |
| 99 | Termination of right handed helices in proteins by residues in left handed helical conformations. FEBS Letters, 1993, 321, 79-83. | 1.3 | 45 |
| 100 | Peptide mimics for structural features in proteins. International Journal of Peptide and Protein Research, 1993, 42, 401-410. | 0.1 | 41 |
| 101 | Zervamicins, a structurally characterised peptide model for membrane ion channels. Biochemical and Biophysical Research Communications, 1992, 186, 8-15. | 1.0 | 27 |
| 102 | The properties of ion channels formed by zervamicins. European Biophysics Journal, 1992, 21, 117-28. | 1.2 | 62 |
| 103 | Helix packing of leucine-rich peptides: A parallel leucine ladder in the structure of Boc-Aib-Leu-Aib-Aib-Leu-Leu-Leu-Aib-Leu-Aib-OMe. Proteins: Structure, Function and Bioinformatics, 1992, 12, 324-330. | 1.5 | 15 |
| 104 | The design and construction of synthetic protein mimics. Pure and Applied Chemistry, 1992, 64, 1061-1066. | 0.9 | 29 |
| 105 | Modular design of synthetic protein mimics. Crystal structure of two seven-residue helical peptide segments linked by .epsilon.-aminocaproic acid. Journal of the American Chemical Society, 1991, 113, 3952-3956. | 6.6 | 64 |
| 106 | Crystal state conformation of three model monomer units for the Î²-bend ribbon structure. Biopolymers, 1991, 31, 1669-1676. | 1.2 | 18 |
| 107 | Crystal structure of [Leu1]zervamicin, a membrane ion-channel peptide: implications for gating mechanisms.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 5307-5311. | 3.3 | 132 |
| 108 | Stereochemistry of peptides containing 1â€aminocycloheptaneâ€1â€carboxylic acid (Ac<sub>7</sub>c). International Journal of Peptide and Protein Research, 1991, 38, 511-518. | 0.1 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Apolar peptide models for conformational heterogeneity, hydration, and packing of polypeptide helices: Crystal structure of hepta- and octapeptides containing Î±-aminoisobutyric acid. Proteins: Structure, Function and Bioinformatics, 1990, 7, 62-73. | 1.5 | 64 |
| 110 | Peptide design: Influence of a guest Aib-Pro segment on the stereochemistry of an Oligo-Val sequence?solution conformations and crystal structure of Boc-(Val)2-Aib-Pro-(Val)3-OMe. Biopolymers, 1990, 29, 1433-1442. | 1.2 | 25 |
| 111 | Synthetic peptide helices in crystals: Structure and antiparallel and skewed packing motifs for ?-helices in two isomeric decapeptides. Biopolymers, 1990, 30, 719-731. | 1.2 | 14 |
| 112 | Parallel zippers formed by alpha-helical peptide columns in crystals of Boc-Aib-Glu(OBzl)-Leu-Aib-Ala-Leu-Aib-Ala-Lys(Z)-Aib-OMe.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 7921-7925. | 3.3 | 24 |
| 113 | Structural characteristics of .alpha.-helical peptide molecules containing Aib residues. Biochemistry, 1990, 29, 6747-6756. | 1.2 | 962 |
| 114 | Modular design of synthetic protein mimics. Crystal structures, assembly, and hydration of two 15- and 16-residue apolar, leucyl-rich helical peptides. Journal of the American Chemical Society, 1990, 112, 9350-9356. | 6.6 | 33 |
| 115 | Parallel and antiparallel aggregation of Î±â€helices. International Journal of Peptide and Protein Research, 1990, 35, 518-526. | 0.1 | 21 |
| 116 | Conformations of disulfide bridges in proteins. International Journal of Peptide and Protein Research, 1990, 36, 147-155. | 0.1 | 164 |
| 117 | Conformational analysis of cyclolinopeptide A, a cyclic nonapeptide: Nuclear overhauser effect and energy minimization studies. Biopolymers, 1989, 28, 573-588. | 1.2 | 13 |
| 118 | Conformations of dehydrophenylalanine containing peptides: nmr studies of an acyclic hexapeptide with two ?z-Phe residues. Biopolymers, 1989, 28, 763-771. | 1.2 | 40 |
| 119 | Stereochemical modeling of disulfide bridges. Criteria for introduction into proteins by site-directed mutagenesis. Protein Engineering, Design and Selection, 1989, 3, 95-103. | 1.0 | 171 |
| 120 | Comparison of the effect of five guest residues on the .beta.-sheet conformation of host (L-val)n oligopeptides. Macromolecules, 1989, 22, 2939-2944. | 2.2 | 150 |
| 121 | Alpha-helix and mixed 3(10)/alpha-helix in cocrystallized conformers of Boc-Aib-Val-Aib-Aib-Val-Val-Val-Aib-Val-Aib-OMe.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 765-769. | 3.3 | 70 |
| 122 | Synthetic and conformational studies on dehydrophenylalanine containing model peptides. International Journal of Peptide and Protein Research, 1989, 33, 103-109. | 0.1 | 35 |
| 123 | Conformations and mitochondrial uncoupling activity of synthetic emerimicin fragments. Biopolymers, 1988, 27, 683-701. | 1.2 | 8 |
| 124 | Cyclic cystine peptides. Antiparallel .beta.-sheet conformation for the 20-membered ring in Boc-Cys-Val-Aib-Ala-Leu-Cys-NHMe. Journal of the American Chemical Society, 1988, 110, 1958-1963. | 6.6 | 62 |
| 125 | Simultaneous observation of positive and negative nuclear overhauser effects in oligopeptides due to segmental motion. Biochemical and Biophysical Research Communications, 1988, 151, 153-157. | 1.0 | 7 |
| 126 | Aqueous channels within apolar peptide aggregates: solvated helix of the alpha-aminoisobutyric acid (Aib)-containing peptide Boc-(Aib-Ala-Leu)3-Aib-OMe.2H2O.CH3OH in crystals.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 299-303. | 3.3 | 54 |

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|---|---|---|---|
| 127 | Conformations of dehydrophenylalanine containing peptides Nuclear Overhauser effect study of two acyclic tetrapeptides. International Journal of Peptide and Protein Research, 1988, 31, 349-358. | 0.1 | 25 |
| 128 | Molecular conformation of alamethicin in dimethylsulfoxide solution. International Journal of Peptide and Protein Research, 1988, 32, 167-174. | 0.1 | 21 |
| 129 | Conformation of a 16-residue zervamicin IIA analog peptide containing three different structural features: 3(10)-helix, alpha-helix, and beta-bend ribbon.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 5087-5091. | 3.3 | 134 |
| 130 | Nuclear overhauser effects as probes of peptide structure. A diagnostic for left-handed helical conformations. Biochemical and Biophysical Research Communications, 1987, 149, 953-959. | 1.0 | 6 |
| 131 | Cystine peptides: The intramolecular antiparallel ?-sheet conformation of a 20-membered cyclic peptide disulfide. Biopolymers, 1987, 26, 873-891. | 1.2 | 33 |
| 132 | Spectroscopic studies on the interaction of bilirubin with symmetrical alkyl diamines. Journal of Biosciences, 1987, 11, 485-493. | 0.5 | 5 |
| 133 | Conformations of dehydrophenylalanine containing peptides.. International Journal of Peptide and Protein Research, 1987, 29, 126-133. | 0.1 | 34 |
| 134 | Cystine peptides. Spectroscopic studies on the conformations of a cyclic pentapeptide disulfide. International Journal of Peptide and Protein Research, 1987, 29, 381-391. | 0.1 | 5 |
| 135 | Cystine peptides.. International Journal of Peptide and Protein Research, 1987, 30, 474-480. | 0.1 | 11 |
| 136 | Stereochemically constrained peptides. Theoretical and experimental studies on the conformations of peptides containing 1-aminocyclohexanecarboxylic acid. Journal of the American Chemical Society, 1986, 108, 6363-6370. | 6.6 | 134 |
| 137 | Membrane channel forming polypeptides. Molecular conformation and mitochondrial uncoupling activity of antiamoebin, an .alpha.-aminoisobutyric acid containing peptide. Biochemistry, 1986, 25, 7110-7117. | 1.2 | 54 |
| 138 | Peptide models of electrostatic interactions in proteins: NMR studies on two .beta.-turn tetrapeptides containing Asp-His and Asp-Lys salt bridges. Biochemistry, 1986, 25, 6004-6013. | 1.2 | 26 |
| 139 | Conformations of the amino aterminal tetrapeptide of emerimicins and antiamoebins in solution and in the solid state. International Journal of Biological Macromolecules, 1986, 8, 201-206. | 3.6 | 7 |
| 140 | Stereochemistry of peptides containing 1-aminocyclopentanecarboxylic acid (Acc5): Solution and solid-state conformations of Boc-Acc5-Acc5-NHMe. Biopolymers, 1986, 25, 1635-1644. | 1.2 | 50 |
| 141 | Stereochemistry of ?-aminoisobutyric acid peptides in solution: Conformations of decapeptides with a central triplet of contiguousL-amino acids. Biopolymers, 1986, 25, 2209-2223. | 1.2 | 58 |
| 142 | Solid state and solution conformation of Bocâ€Łâ€Metâ€Aibâ€Łâ€Pheâ€OMe. International Journal of Peptide and Protein Research, 1986, 27, 229-238. | 0.1 | 22 |
| 143 | Conformational effects on peptide aggregation in organic solvents: Spectroscopic studies of two chemotactic tripeptide analogs. Biopolymers, 1985, 24, 1131-1146. | 1.2 | 36 |
| 144 | A highly active chemotactic peptide analog incorporating the unusual residue 1-aminocyclohexanecarboxylic acid at position 2. Biochemical and Biophysical Research Communications, 1985, 128, 339-344. | 1.0 | 47 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Bilirubin binding to polypeptides and chiral amines. Induced circular dichroism and fluorescence studies. International Journal of Peptide and Protein Research, 1985, 25, 290-296. | 0.1 | 14 |
| 146 | Conformations of peptides containing 1â€aminocyclohexanecarboxylic acid (Acc<sup>6</sup>). Crystal structures of two model peptides. International Journal of Peptide and Protein Research, 1985, 25, 628-639. | 0.1 | 47 |
| 147 | A helical peptide containing a majority of valyl residues. International Journal of Peptide and Protein Research, 1985, 26, 214-223. | 0.1 | 17 |
| 148 | PEPTIDE MODELS FOR THE BACTERIORHODOPSIN CHROMOPHORE. RETINYLIDENEâ€LYSINE SYSTEMS CONTAINING ASPARTIC ACID AND SERINE RESIDUES. Photochemistry and Photobiology, 1984, 39, 667-672. | 1.3 | 6 |
| 149 | Circular dichroism studies of ?-aminoisobutyric acid-containing peptides: Chain length and solvent effects in alternating Aib-L-Ala and Aib-L-Val sequences. Biopolymers, 1984, 23, 877-886. | 1.2 | 39 |
| 150 | 13C NMR studies on trifluoroacetyl derivatives of 2-acetamido-2-deoxyhexoses. Magnetic Resonance in Chemistry, 1984, 22, 717-719. | 0.7 | 3 |
| 151 | Stabilization of Î²-turn conformations in Pro-X sequences by disulphide bridging. Synthesis and solution conformations of five cyclic cystine peptides. Tetrahedron, 1984, 40, 2577-2583. | 1.0 | 49 |
| 152 | The Stereochemistry of Peptides Containing Î±-Aminoisobutyric Aci. Critical Reviews in Biochemistry, 1984, 16, 307-348. | 7.5 | 332 |
| 153 | Acyclic peptides as conformational models. International Journal of Peptide and Protein Research, 1984, 24, 135-140. | 0.1 | 3 |
| 154 | Peptide models for Î²â€turns.. International Journal of Peptide and Protein Research, 1984, 23, 411-419. | 0.1 | 74 |
| 155 | Nuclear Overhauser effects and circular dichroism as probes of .beta.-turn conformations in acyclic and cyclic peptides with pro-X sequences. Journal of the American Chemical Society, 1983, 105, 7423-7428. | 6.6 | 90 |
| 156 | Alamethicin and related membrane channel forming polypeptides. Molecular and Cellular Biochemistry, 1983, 50, 47-64. | 1.4 | 77 |
| 157 | Solution conformations of penta and heptapeptides containing repetitive Î±-aminoisobutyryl-l-alanyl and Î± -aminoisobutyryl-l-valyl sequences. Tetrahedron, 1983, 39, 2725-2731. | 1.0 | 41 |
| 158 | Crystal structure of Boc-Ala-Aib-Ala-Aib-Aib-methyl ester, a pentapeptide fragment of the channel-forming ionophore suzukacillin. Biopolymers, 1983, 22, 1499-1505. | 1.2 | 28 |
| 159 | Stereochemistry of Î±-aminoisobutyric acid peptides in solution: Helical conformations of protected decapeptides with repeating Aib-L-Ala and Aib-L-Val sequences. Biopolymers, 1983, 22, 2133-2140. | 1.2 | 51 |
| 160 | Multiple conformational states of a Pro-Pro peptide. Solid-state and solution conformations of Boc-Aib-Pro-Pro-NHMe. Journal of the American Chemical Society, 1983, 105, 4065-4071. | 6.6 | 25 |
| 161 | Cyclic peptide disulfides. Solution and solid-state conformation of Boc-Cys-Pro-Aib-Cys-NHMe with a disulfide bridge from Cys to Cys, a disulfide-bridged peptide helix. Journal of the American Chemical Society, 1983, 105, 105-109. | 6.6 | 85 |
| 162 | The crystal structure of a 310helical decapeptide containing Î±-aminoisobutyric acid. FEBS Letters, 1983, 155, 230-232. | 1.3 | 41 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | A fluorescent peptide model for the thioredoxin active site. FEBS Letters, 1983, 159, 221-224. | 1.3 | 9 |
| 164 | A helix dipole model for alamethicin and related transmembrane channels. FEBS Letters, 1983, 157, 1-5. | 1.3 | 65 |
| 165 | Circular dichroism studies of helical oligopeptides: Can 310 and Î±â€helical conformations be chiroptically distinguished?. International Journal of Peptide and Protein Research, 1983, 22, 464-468. | 0.1 | 99 |
| 166 | Stabilization of Î²â€turn conformations in enkephalins. International Journal of Peptide and Protein Research, 1983, 21, 381-388. | 0.1 | 24 |
| 167 | Helical conformations of three crystalline pentapeptide fragments of suzukacillin, a membrane channel forming polypeptide. Biochemical and Biophysical Research Communications, 1982, 106, 1240-1247. | 1.0 | 10 |
| 168 | The helical conformations of 14- and 16-residue fragments of suzukacillin, a membrane channel-forming polypeptide. BBA - Proteins and Proteomics, 1982, 706, 179-187. | 2.1 | 12 |
| 169 | Type II ?-turn conformation of pivaloyl-L-prolyl-?-aminoisobutyryl-N-methylamide: Theoretical, spectroscopic, and X-ray studies. Biopolymers, 1982, 21, 1261-1273. | 1.2 | 43 |
| 170 | Aggregation of apolar peptides in organic solvents. Concentration dependence of1H-nmr parameters for peptide NH groups in 310 helical decapeptide fragment of suzukacillin. Biopolymers, 1982, 21, 1427-1433. | 1.2 | 73 |
| 171 | Crystal structures of diketopiperazines containing ?-aminoisobutyric acid: Cyclo(Aib-Aib) and cyclo(Aib-L-Ile). Biopolymers, 1982, 21, 1847-1855. | 1.2 | 14 |
| 172 | Molecular structure oft-butyloxycarbonyl-Leu-Aib-Pro-Val-Aib-methyl ester, a fragment of alamethicin and suzukacillin: A 310-helical pentapeptide. Biopolymers, 1982, 21, 2461-2472. | 1.2 | 28 |
| 173 | Conformations of synthetic alamethicin fragments. Evidence for 310 helical folding from 270-MHz hydrogen-1 nuclear magnetic resonance and circular dichroism studies. Biochemistry, 1981, 20, 2828-2835. | 1.2 | 70 |
| 174 | The 310 helical conformation of the amino terminal decapeptide of suzukacillin. 270 MHz hydrogen-1 NMR evidence for eight intramolecular hydrogen bonds. Journal of the American Chemical Society, 1981, 103, 5548-5552. | 6.6 | 71 |
| 175 | Membrane channel forming polypeptides. 270-MHz proton magnetic resonance studies of the aggregation of the 11-21 fragment of suzukacillin in organic solvents. Biochemistry, 1981, 20, 7278-7284. | 1.2 | 36 |
| 176 | Membrane channel forming polypeptides. 270-MHz hydrogen-1 nuclear magnetic resonance studies on the conformation of the 11-21 fragment of suzukacillin. Biochemistry, 1981, 20, 4866-4871. | 1.2 | 32 |
| 177 | Determination of beta-turn conformation by laser Raman spectroscopy. Biophysical Journal, 1981, 36, 509-517. | 0.2 | 40 |
| 178 | Molecular structure of a cyclic tetrapeptide disulfide. A novel 310 helical conformation with an S-S bridge. Biochemical and Biophysical Research Communications, 1981, 103, 1138-1144. | 1.0 | 12 |
| 179 | Hydrophobic channels in crystals of an Î±-aminoisobutyric acid pentapeptide. Biochemical and Biophysical Research Communications, 1981, 103, 898-904. | 1.0 | 30 |
| 180 | X-Pro peptides: Solution and solid-state conformation of benzyloxycarbonyl-(Aib-Pro)2methyl ester, a type I ?-turn. Biopolymers, 1981, 20, 1123-1136. | 1.2 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | X-Pro peptides: Synthesis and solution conformation of benzyloxycarbonyl-(Aib-Pro)4methyl ester. Evidence for a novel helical structure. Biopolymers, 1981, 20, 1137-1145. | 1.2 | 45 |
| 182 | H N.M.R. STUDIES OF PROTECTED Î±â€AMINOISOBUTYRIC ACID CONTAINING PEPTIDES. International Journal of Peptide and Protein Research, 1981, 18, 208-213. | 0.1 | 12 |
| 183 | Trifluoroacetic anhydride. A convenient NMR solvent for carbohydrates. 270 MHz1H NMR studies of 2-acetamido-2-deoxyhexoses. Magnetic Resonance in Chemistry, 1980, 13, 220-223. | 0.7 | 7 |
| 184 | The crystal structure of benzyloxycarbonyl-(Î±-aminoisobutyryl)2-L-alanyl methyl ester. Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 1980, 36, 107-110. | 0.4 | 26 |
| 185 | Cation translocating effects of alamethicin and its synthetic fragments in lipid membranes. FEBS Letters, 1980, 121, 365-368. | 1.3 | 25 |
| 186 | Infrared studies on the conformation of synthetic alamethicin fragments and model peptides containing .alpha.-aminoisobutyric acid. Biochemistry, 1980, 19, 425-431. | 1.2 | 116 |
| 187 | ROTATIONAL ISOMERISM ABOUT THE C<sub>Î±</sub>â€CO BOND IN PROLINE DERIVATIVES. International Journal of Peptide and Protein Research, 1980, 16, 291-298. | 0.1 | 19 |
| 188 | Crystal and molecular structure of benzyloxycarbonyl-?-aminoisobutyryl-L-prolyl methylamide: The observation of anX2-Pro3 Type III ?-Turn. Biopolymers, 1979, 18, 1635-1646. | 1.2 | 70 |
| 189 | An incipient 310 helix in Piv-Pro-Pro-Ala-NHMe as a model for peptide folding. Nature, 1979, 281, 83-84. | 13.7 | 52 |
| 190 | Metal binding to pyridoxal derivatives. An NMR study of the interaction of Eu(III) with pyridoxal phosphate and pyridoxamine phosphate. Journal of Biosciences, 1979, 1, 35-47. | 0.5 | 2 |
| 191 | Infrared spectroscopy as a probe for the development of secondary structure in the amino-terminal segment of alamethicin. FEBS Letters, 1979, 100, 244-248. | 1.3 | 31 |
| 192 | Enkephalin analogs. Introduction of stereochemical constraints, metal binding sites and fluorescent groups. FEBS Letters, 1979, 106, 271-274. | 1.3 | 13 |
| 193 | Stereochemically constrained linear peptides. Conformations of peptides containing .alpha.-aminoisobutyric acid. Journal of the American Chemical Society, 1979, 101, 16-20. | 6.6 | 137 |
| 194 | A stereochemically-constrained enkephalin analog. FEBS Letters, 1978, 96, 273-276. | 1.3 | 17 |
| 195 | The crystal and molecular structure of the amino terminal tetrapeptide of alamethicin. A novel 310 helical conformation. Biochemical and Biophysical Research Communications, 1977, 79, 292-298. | 1.0 | 94 |
| 196 | STABILISATION OF ENZYME STRUCTURES BY INHIBITORS:. International Journal of Peptide and Protein Research, 1977, 10, 9-16. | 0.1 | 2 |
| 197 | A nuclear magnetic resonance study of the interaction of serotonin with gangliosides. FEBS Letters, 1976, 63, 313-315. | 1.3 | 16 |
| 198 | Negative nuclear Overhuaser effects as probes of macromolecular structure. Journal of the American Chemical Society, 1972, 94, 4015-4017. | 6.6 | 210 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Localization of tyrosine at the binding site of neurophysin II by negative nuclear Overhouser effects. Journal of the American Chemical Society, 1972, 94, 4017-4018. | 6.6 | 118 |