R Nagaraj

List of Publications by Year
in descending order

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50 papers	2,431 citations	201674 27 h-index	206112 48 g-index
52 all docs	52 docs citations	52 times ranked	1861 citing authors

#	Article	IF	Citations
1	Is Levinthalâ€™s question answered after a revisit?. Journal of Biomolecular Structure and Dynamics, 2013, 31, 961-962.	3.5	0
2	Is Protein Folding Still a Challenge?. Journal of Biomolecular Structure and Dynamics, 2011, 28, 639-640.	3.5	5
3	Cyclic Homooligomers of Furanoid Sugar Amino Acids. Journal of Organic Chemistry, 2003, 68, 6257-6263.	3.2	35
4	Host-defense Antimicrobial Peptides: Importance of Structure for Activity. Current Pharmaceutical Design, 2002, 8, 727-742.	1.9	96
5	Tigerinins: Novel Antimicrobial Peptides from the Indian FrogRana tigerina. Journal of Biological Chemistry, 2001, 276, 2701-2707.	3.4	99
6	Synthesis and conformational studies of peptidomimetics containing a carbocyclic 1,3-diacid. Tetrahedron, 2001, 57, 9169-9175.	1.9	11
7	Synthesis and structural studies of oligomers of 6-amino-2,5-anhydro-6-deoxy-d-mannonic acid. Tetrahedron Letters, 2000, 41, 8167-8171.	1.4	31
8	Antibacterial and Hemolytic Activities of Single Tryptophan Analogs of Indolicidin. Biochemical and Biophysical Research Communications, 2000, 274, 714-716.	2.1	62
9	Synthesis and Conformational Studies of Peptidomimetics Containing Furanoid Sugar Amino Acids and a Sugar Diacid. Journal of Organic Chemistry, 2000, 65, 6441-6457.	3.2	92
10	Biological activities of C-terminal 15-residue synthetic fragment of melittin: design of an analog with improved antibacterial activity. FEBS Letters, 1999, 448, 62-66.	2.8	79
11	Interaction of antimicrobial peptides with biological and model membranes: structural and charge requirements for activity. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1462, 29-54.	2.6	295
12	Addition and omission analogs of the 13-residue antibacterial and hemolytic peptide PKLLKTFLSKWIG: structural preferences, model membrane binding and biological activities. Chemical Biology and Drug Design, 1999, 53, 47-55.	1.1	11
13	Interaction of indolicidin, a 13-residue peptide rich in tryptophan and proline and its analogues with model membranes. Journal of Biosciences, 1998, 23, 9-13.	1.1	21
14	Folded Conformation in Peptides Containing Furanoid Sugar Amino Acids. Journal of the American Chemical Society, 1998, 120, 12962-12963.	13.7	84
15	Demonstration ofendo-cis-(2S,3R)-Bicyclo[2.2.1]hept-5-en-2,3- dicarbonyl Unit as a Reverse-Turn Scaffold and Nucleator of Two-Stranded Parallel Î²-Sheets:Â Design, Synthesis, Crystal Structure, and Self-Assembling Properties of Norborneno Peptide Analogues. Journal of the American Chemical Society, 1998, 120, 8448-8460.	13.7	49
16	Identification of the region that plays an important role in determining antibacterial activity of bovine seminalplasmin. FEBS Letters, 1997, 400, 289-292.	2.8	11
17	Manual solid-phase syntheses of peptides on resins with high loading capacity requiring small volumes of solvents. Journal of Chemical Sciences, 1997, 109, 319-323.	1.5	2
18	Requirements for antibacterial and hemolytic activities in the bovine neutrophil derived 13-residue peptide indolicidin. FEBS Letters, 1996, 395, 48-52.	2.8	110

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19	Design, Synthesis, and Ion-Transport Properties of a Novel Family of Cyclic, Adamantane-Containing Cystine Peptides. Angewandte Chemie International Edition in English, 1996, 35, 1105-1107.	4.4	35
20	Structural and charge requirements for antimicrobial and hemolytic activity in the peptide PKLLETFLSKWIG, corresponding to the hydrophobic region of the antimicrobial protein bovine seminalplasmin. International Journal of Peptide and Protein Research, 1995, 46, 166-173.	0.1	18
21	Design of 16â€residue peptides possessing antimicrobial and hemolytic activities or only antimicrobial activity from an inactive peptide. International Journal of Peptide and Protein Research, 1995, 46, 480-486.	0.1	24
22	Cell-lytic and antibacterial peptides that act by perturbing the barrier function of membranes: facets of their conformational features, structure-function correlations and membrane-perturbing abilities. BBA - Biomembranes, 1994, 1197, 109-131.	8.0	229
23	Studies on the synthesis of the toxins, pardaxin, Î´-toxin and their analogues by solid-phase methods. Journal of Chemical Sciences, 1994, 106, 1109-1121.	1.5	1
24	Identification of a second membrane-active 13-residue peptide segment in the antimicrobial protein, bovine seminalplasmin. FEBS Letters, 1993, 328, 239-242.	2.8	10
25	Interaction of the 47-residue antibacterial peptide seminalplasmin and its 13-residue fragment which has antibacterial and hemolytic activities with model membranes. Biochemistry, 1993, 32, 3124-3130.	2.5	20
26	Change of glutamic acid to lysine in a 13-residue antibacterial and hemolytic peptide results in enhanced antibacterial activity without increase in hemolytic activity. Antimicrobial Agents and Chemotherapy, 1992, 36, 2468-2472.	3.2	29
27	The antibacterial peptide seminal plasmin alters permeability of the inner membrane ofE. coli. FEBS Letters, 1992, 303, 265-268.	2.8	22
28	Mass spectra oft-butyloxycarbonyl (BOC)-protected peptides. Organic Mass Spectrometry, 1990, 25, 97-100.	1.3	0
29	A synthetic 13-residue peptide corresponding to the hydrophobic region of bovine seminalplasmin has antibacterial activity and also causes lysis of red blood cells.. Journal of Biological Chemistry, 1990, 265, 10438-10442.	3.4	38
30	A synthetic 13-residue peptide corresponding to the hydrophobic region of bovine seminalplasmin has antibacterial activity and also causes lysis of red blood cells. Journal of Biological Chemistry, 1990, 265, 10438-42.	3.4	32
31	Perturbation of the lipid bilayer of model membranes by synthetic signal peptides. Biochimica Et Biophysica Acta - Biomembranes, 1987, 903, 465-472.	2.6	19
32	Membrane channel-forming polypeptides. Aqueous phase aggregation and membrane-modifying activity of synthetic fluorescent alamethicin fragments.. Journal of Biological Chemistry, 1982, 257, 2170-2176.	3.4	30
33	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.	2.5	70
34	Determination of beta-turn conformation by laser Raman spectroscopy. Biophysical Journal, 1981, 36, 509-517.	0.5	40
35	Alamethicin and synthetic peptide fragments as uncouplers of mitochondrial oxidative phosphorylation. Effect of chain length and change. Biochemical and Biophysical Research Communications, 1981, 98, 548-555.	2.1	33
36	Hydrophobic channels in crystals of an Î±-aminoisobutyric acid pentapeptide. Biochemical and Biophysical Research Communications, 1981, 103, 898-904.	2.1	30

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37	Solution phase synthesis of alamethicin I. Tetrahedron, 1981, 37, 1263-1270.	1.9	61
38	Racemization at proline residues during peptide bond formation. Tetrahedron, 1981, 37, 2001-2005.	1.9	21
39	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
40	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
41	Cation translocating effects of alamethicin and its synthetic fragments in lipid membranes. FEBS Letters, 1980, 121, 365-368.	2.8	25
42	Infrared studies on the conformation of synthetic alamethicin fragments and model peptides containing .alpha.-aminoisobutyric acid. Biochemistry, 1980, 19, 425-431.	2.5	116
43	ROTATIONAL ISOMERISM ABOUT THE C_{Î±}â€CO BOND IN PROLINE DERIVATIVES. International Journal of Peptide and Protein Research, 1980, 16, 291-298.	0.1	19
44	Crystal and molecular structure of benzyloxycarbonyl-?-aminoisobutyryl-L-prolyl methylamide: The observation of anX2-Pro3 Type III ?-Turn. Biopolymers, 1979, 18, 1635-1646.	2.4	70
45	Infrared spectroscopy as a probe for the development of secondary structure in the amino-terminal segment of alamethicin. FEBS Letters, 1979, 100, 244-248.	2.8	31
46	Enkephalin analogs. Introduction of stereochemical constraints, metal binding sites and fluorescent groups. FEBS Letters, 1979, 106, 271-274.	2.8	13
47	Fluorescent hydrophobic peptide fragments of emerimicin. Models for the study of peptide aggregation and interactions with lipids and proteins. Biochemical and Biophysical Research Communications, 1979, 89, 1041-1049.	2.1	16
48	Stereochemically constrained linear peptides. Conformations of peptides containing .alpha.-aminoisobutyric acid. Journal of the American Chemical Society, 1979, 101, 16-20.	13.7	137
49	A stereochemically-constrained enkephalin analog. FEBS Letters, 1978, 96, 273-276.	2.8	17
50	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.	2.1	94