

Nitin A Patil

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

803
citations

471371

17
h-index

526166

27
g-index

34
all docs

34
docs citations

34
times ranked

804
citing authors

#	ARTICLE	IF	CITATIONS
1	Relaxin family peptides: structure–activity relationship studies. <i>British Journal of Pharmacology</i> , 2017, 174, 950-961.	2.7	72
2	A single-chain derivative of the relaxin hormone is a functionally selective agonist of the G protein-coupled receptor, RXFP1. <i>Chemical Science</i> , 2016, 7, 3805-3819.	3.7	70
3	A synthetic lipopeptide targeting top-priority multidrug-resistant Gram-negative pathogens. <i>Nature Communications</i> , 2022, 13, 1625.	5.8	53
4	Cellular Disulfide Bond Formation in Bioactive Peptides and Proteins. <i>International Journal of Molecular Sciences</i> , 2015, 16, 1791-1805.	1.8	47
5	Total Chemical Synthesis of an Intra-Chain Cystathionine Human Insulin Analogue with Enhanced Thermal Stability. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14743-14747.	7.2	45
6	The complex binding mode of the peptide hormone H2 relaxin to its receptor RXFP1. <i>Nature Communications</i> , 2016, 7, 11344.	5.8	44
7	Intramolecular acyl transfer in peptide and protein ligation and synthesis. <i>Journal of Peptide Science</i> , 2015, 21, 139-147.	0.8	42
8	Minimum Active Structure of Insulin-like Peptide 5. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 9509-9516.	2.9	36
9	Amyloid aggregation and membrane activity of the antimicrobial peptide uperin 3.5. <i>Peptide Science</i> , 2018, 110, e24052.	1.0	34
10	Polymyxins Bind to the Cell Surface of Unculturable <i>Acinetobacter baumannii</i> and Cause Unique Dependent Resistance. <i>Advanced Science</i> , 2020, 7, 2000704.	5.6	31
11	Engineering of a Novel Simplified Human Insulin-Like Peptide 5 Agonist. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 2118-2125.	2.9	30
12	Signal transduction pathways activated by insulin-like peptide 5 at the relaxin family peptide RXFP4 receptor. <i>British Journal of Pharmacology</i> , 2017, 174, 1077-1089.	2.7	30
13	The Kinetics of Amyloid Fibrillar Aggregation of Uperin 3.5 Is Directed by the Peptide's Secondary Structure. <i>Biochemistry</i> , 2019, 58, 3656-3668.	1.2	26
14	Molecular dynamics simulations informed by membrane lipidomics reveal the structure–interaction relationship of polymyxins with the lipid A-based outer membrane of <i>Acinetobacter baumannii</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 3534-3543.	1.3	25
15	A One-Pot Chemically Cleavable Bis-Linker Tether Strategy for the Synthesis of Heterodimeric Peptides. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14552-14556.	7.2	21
16	2-Cyanoisonicotinamide Conjugation: A Facile Approach to Generate Potent Peptide Inhibitors of the Zika Virus Protease. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 732-737.	1.3	21
17	Thiol-Cyanobenzothiazole Ligation for the Efficient Preparation of Peptide–PNA Conjugates. <i>Bioconjugate Chemistry</i> , 2019, 30, 793-799.	1.8	20
18	Adsorption of Amyloidogenic Peptides to Functionalized Surfaces Is Biased by Charge and Hydrophilicity. <i>Langmuir</i> , 2019, 35, 14522-14531.	1.6	19

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19	Total Chemical Synthesis of an Intra-Chain Cystathionine Human Insulin Analogue with Enhanced Thermal Stability. <i>Angewandte Chemie</i> , 2016, 128, 14963-14967.	1.6	18
20	The C-terminus of the B-chain of human insulin-like peptide 5 is critical for cognate RXFP4 receptor activity. <i>Amino Acids</i> , 2016, 48, 987-992.	1.2	17
21	Combination of valproic acid and morpholino splice-switching oligonucleotide produces improved outcomes in spinal muscular atrophy patient-derived fibroblasts. <i>Neurochemistry International</i> , 2017, 108, 213-221.	1.9	17
22	Site of fluorescent label modifies interaction of melittin with live cells and model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 2031-2039.	1.4	14
23	Simulations of octapeptide outer membrane interactions reveal conformational flexibility is linked to antimicrobial potency. <i>Journal of Biological Chemistry</i> , 2020, 295, 15902-15912.	1.6	13
24	A novel chemical biology and computational approach to expedite the discovery of new-generation polymyxins against life-threatening <i>Acinetobacter baumannii</i> . <i>Chemical Science</i> , 2021, 12, 12211-12220.	3.7	13
25	The actions of relaxin family peptides on signal transduction pathways activated by the relaxin family peptide receptor RXFP4. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2017, 390, 105-111.	1.4	10
26	An Efficient Approach for the Design and Synthesis of Antimicrobial Peptide-Peptide Nucleic Acid Conjugates. <i>Frontiers in Chemistry</i> , 2022, 10, 843163.	1.8	9
27	Rapid Photolysis-Mediated Folding of Disulfide-Rich Peptides. <i>Chemistry - A European Journal</i> , 2019, 25, 8599-8603.	1.7	8
28	Conjugation Approaches for Peptide-Mediated Delivery of Oligonucleotides Therapeutics. <i>Australian Journal of Chemistry</i> , 2022, 75, 24-33.	0.5	6
29	An Intelligent Strategy with All-Atom Molecular Dynamics Simulations for the Design of Lipopeptides against Multidrug-Resistant <i>Pseudomonas aeruginosa</i> . <i>Journal of Medicinal Chemistry</i> , 2022, 65, 10001-10013.	2.9	6
30	A One-Pot Chemically Cleavable Bis-Linker Tether Strategy for the Synthesis of Heterodimeric Peptides. <i>Angewandte Chemie</i> , 2016, 128, 14772-14776.	1.6	5
31	Innentitelbild: A One-Pot Chemically Cleavable Bis-Linker Tether Strategy for the Synthesis of Heterodimeric Peptides (<i>Angew. Chem.</i> 47/2016). <i>Angewandte Chemie</i> , 2016, 128, 14688-14688.	1.6	0