Nitin A Patil

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Relaxin family peptides: structure–activity relationship studies. British Journal of Pharmacology, 2017, 174, 950-961.	5.4	72
2	A single-chain derivative of the relaxin hormone is a functionally selective agonist of the G protein-coupled receptor, RXFP1. Chemical Science, 2016, 7, 3805-3819.	7.4	70
3	A synthetic lipopeptide targeting top-priority multidrug-resistant Gram-negative pathogens. Nature Communications, 2022, 13, 1625.	12.8	53
4	Cellular Disulfide Bond Formation in Bioactive Peptides and Proteins. International Journal of Molecular Sciences, 2015, 16, 1791-1805.	4.1	47
5	Total Chemical Synthesis of an Intraâ€Aâ€Chain Cystathionine Human Insulin Analogue with Enhanced Thermal Stability. Angewandte Chemie - International Edition, 2016, 55, 14743-14747.	13.8	45
6	The complex binding mode of the peptide hormone H2 relaxin to its receptor RXFP1. Nature Communications, 2016, 7, 11344.	12.8	44
7	Intramolecular acyl transfer in peptide and protein ligation and synthesis. Journal of Peptide Science, 2015, 21, 139-147.	1.4	42
8	Minimum Active Structure of Insulin-like Peptide 5. Journal of Medicinal Chemistry, 2013, 56, 9509-9516.	6.4	36
9	Amyloid aggregation and membrane activity of the antimicrobial peptide uperin 3.5. Peptide Science, 2018, 110, e24052.	1.8	34
10	Polymyxins Bind to the Cell Surface of Unculturable <i>Acinetobacter baumannii</i> and Cause Unique Dependent Resistance. Advanced Science, 2020, 7, 2000704.	11.2	31
11	Engineering of a Novel Simplified Human Insulin-Like Peptide 5 Agonist. Journal of Medicinal Chemistry, 2016, 59, 2118-2125.	6.4	30
12	Signal transduction pathways activated by insulinâ€like peptide 5 at the relaxin family peptide RXFP4 receptor. British Journal of Pharmacology, 2017, 174, 1077-1089.	5.4	30
13	The Kinetics of Amyloid Fibrillar Aggregation of Uperin 3.5 Is Directed by the Peptide's Secondary Structure. Biochemistry, 2019, 58, 3656-3668.	2.5	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> . Journal of Antimicrobial Chemotherapy, 2020, 75, 3534-3543.	3.0	25
15	A Oneâ€Pot Chemically Cleavable Bisâ€Linker Tether Strategy for the Synthesis of Heterodimeric Peptides. Angewandte Chemie - International Edition, 2016, 55, 14552-14556.	13.8	21
16	2-Cyanoisonicotinamide Conjugation: A Facile Approach to Generate Potent Peptide Inhibitors of the Zika Virus Protease. ACS Medicinal Chemistry Letters, 2021, 12, 732-737.	2.8	21
17	Thiol-Cyanobenzothiazole Ligation for the Efficient Preparation of Peptide–PNA Conjugates. Bioconjugate Chemistry, 2019, 30, 793-799.	3.6	20
18	Adsorption of Amyloidogenic Peptides to Functionalized Surfaces Is Biased by Charge and Hydrophilicity. Langmuir, 2019, 35, 14522-14531.	3.5	19

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19	Total Chemical Synthesis of an Intraâ€Aâ€Chain Cystathionine Human Insulin Analogue with Enhanced Thermal Stability. Angewandte Chemie, 2016, 128, 14963-14967.	2.0	18
20	The C-terminus of the B-chain of human insulin-like peptide 5 is critical for cognate RXFP4 receptor activity. Amino Acids, 2016, 48, 987-992.	2.7	17
21	Combination of valproic acid and morpholino splice-switching oligonucleotide produces improved outcomes in spinal muscular atrophy patient-derived fibroblasts. Neurochemistry International, 2017, 108, 213-221.	3.8	17
22	Site of fluorescent label modifies interaction of melittin with live cells and model membranes. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 2031-2039.	2.6	14
23	Simulations of octapeptin–outer membrane interactions reveal conformational flexibility is linked to antimicrobial potency. Journal of Biological Chemistry, 2020, 295, 15902-15912.	3.4	13
24	A novel chemical biology and computational approach to expedite the discovery of new-generation polymyxins against life-threatening <i>Acinetobacter baumannii</i> . Chemical Science, 2021, 12, 12211-12220.	7.4	13
25	The actions of relaxin family peptides on signal transduction pathways activated by the relaxin family peptide receptor RXFP4. Naunyn-Schmiedeberg's Archives of Pharmacology, 2017, 390, 105-111.	3.0	10
26	An Efficient Approach for the Design and Synthesis of Antimicrobial Peptide-Peptide Nucleic Acid Conjugates. Frontiers in Chemistry, 2022, 10, 843163.	3.6	9
27	Rapid Photolysisâ€Mediated Folding of Disulfideâ€Rich Peptides. Chemistry - A European Journal, 2019, 25, 8599-8603.	3.3	8
28	Conjugation Approaches for Peptide-Mediated Delivery of Oligonucleotides Therapeutics. Australian Journal of Chemistry, 2022, 75, 24-33.	0.9	6
29	An Intelligent Strategy with All-Atom Molecular Dynamics Simulations for the Design of Lipopeptides against Multidrug-Resistant <i>Pseudomonas aeruginosa</i> . Journal of Medicinal Chemistry, 2022, 65, 10001-10013.	6.4	6
30	A Oneâ€Pot Chemically Cleavable Bisâ€Linker Tether Strategy for the Synthesis of Heterodimeric Peptides. Angewandte Chemie, 2016, 128, 14772-14776.	2.0	5
31	Innentitelbild: A Oneâ€Pot Chemically Cleavable Bis‣inker Tether Strategy for the Synthesis of Heterodimeric Peptides (Angew. Chem. 47/2016). Angewandte Chemie, 2016, 128, 14688-14688.	2.0	Ο