Kairong Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7539773/publications.pdf

Version: 2024-02-01

30	1,187	304743 22	454955 30
papers	citations	h-index	g-index

30	30	30	1517
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antitumor effects, cell selectivity and structureâ€“activity relationship of a novel antimicrobial peptide polybia-MPI. Peptides, 2008, 29, 963-968.	2.4	136
2	Two Hits Are Better than One: Membrane-Active and DNA Binding-Related Double-Action Mechanism of NK-18, a Novel Antimicrobial Peptide Derived from Mammalian NK-Lysin. Antimicrobial Agents and Chemotherapy, 2013, 57, 220-228.	3.2	104
3	A thin, deformable, high-performance supercapacitor implant that can be biodegraded and bioabsorbed within an animal body. Science Advances, 2021, 7, .	10.3	89
4	D-amino acid substitution enhances the stability of antimicrobial peptide polybia-CP. Acta Biochimica Et Biophysica Sinica, 2017, 49, 916-925.	2.0	80
5	Antimicrobial activity and stability of the d-amino acid substituted derivatives of antimicrobial peptide polybia-MPI. AMB Express, 2016, 6, 122.	3.0	71
6	Highly efficient enantioselective synthesis of bispiro[benzofuran-oxindole-pyrrolidine]s through organocatalytic cycloaddition. Organic Chemistry Frontiers, 2019, 6, 1567-1571.	4.5	54
7	An Injectable Peptide Hydrogel Constructed of Natural Antimicrobial Peptide J-1 and ADP Shows Anti-Infection, Hemostasis, and Antiadhesion Efficacy. ACS Nano, 2022, 16, 7636-7650.	14.6	54
8	Dual antifungal properties of cationic antimicrobial peptides polybia-MPI: Membrane integrity disruption and inhibition of biofilm formation. Peptides, 2014, 56, 22-29.	2.4	52
9	The effect of halogenation on the antimicrobial activity, antibiofilm activity, cytotoxicity and proteolytic stability of the antimicrobial peptide Jelleine-I. Peptides, 2019, 112, 56-66.	2.4	49
10	The catalytic asymmetric synthesis of CF‹sub›3‹/sub›-containing spiro-oxindoleâ€“pyrrolidineâ€“pyrazolone compounds through squaramide-catalyzed 1,3-dipolar cycloaddition. Organic and Biomolecular Chemistry, 2019, 17, 5514-5519.	2.8	46
11	A novel analog of antimicrobial peptide Polybia-MPI, with thioamide bond substitution, exhibits increased therapeutic efficacy against cancer and diminished toxicity in mice. Peptides, 2010, 31, 1832-1838.	2.4	44
12	Membrane active antitumor activity of NK-18, a mammalian NK-lysin-derived cationic antimicrobial peptide. Biochimie, 2012, 94, 184-191.	2.6	43
13	Membrane Perturbation Action Mode and Structure-Activity Relationships of Protonectin, a Novel Antimicrobial Peptide from the Venom of the Neotropical Social Wasp Agelaia pallipes pallipes. Antimicrobial Agents and Chemotherapy, 2013, 57, 4632-4639.	3.2	39
14	Membrane-Active Action Mode of Polybia-CP, a Novel Antimicrobial Peptide Isolated from the Venom of Polybia paulista. Antimicrobial Agents and Chemotherapy, 2012, 56, 3318-3323.	3.2	34
15	Membrane active antimicrobial activity and molecular dynamics study of a novel cationic antimicrobial peptide polybia-MPI, from the venom of Polybia paulista. Peptides, 2013, 39, 80-88.	2.4	32
16	The in vitro, in vivo antifungal activity and the action mode of Jelleine-I against Candida species. Amino Acids, 2018, 50, 229-239.	2.7	31
17	An optimized analog of antimicrobial peptide Jelleine-1 shows enhanced antimicrobial activity against multidrug resistant P.Âaeruginosa and negligible toxicity inÂvitro and inÂvivo. European Journal of Medicinal Chemistry, 2021, 219, 113433.	5.5	30
18	Antifungal effect and action mechanism of antimicrobial peptide polybiaâ€CP. Journal of Peptide Science, 2016, 22, 28-35.	1.4	28

#	Article	IF	Citations
19	Antimicrobial activities and membraneâ€active mechanism of CPFâ€C1 against multidrugâ€resistant bacteria, a novel antimicrobial peptide derived from skin secretions of the tetraploid frog Xenopus clivii. Journal of Peptide Science, 2014, 20, 876-884.	1.4	27
20	Antimicrobial activity and stability of protonectin with<scp>D</scp>-amino acid substitutions. Journal of Peptide Science, 2017, 23, 392-402.	1.4	27
21	Stereoselective synthetic strategies of stereogenic carbon centers featuring a difluoromethyl group. Organic Chemistry Frontiers, 2021, 8, 2799-2819.	4.5	27
22	Novel cytotoxity exhibition mode of polybia-CP, a novel antimicrobial peptide from the venom of the social wasp Polybia paulista. Toxicology, 2011, 288, 27-33.	4.2	25
23	Intramolecular cyclization of the antimicrobial peptide Polybiaâ€MPI with triazole stapling: influence on stability and bioactivity. Journal of Peptide Science, 2017, 23, 824-832.	1.4	25
24	Efficient enantioselective synthesis of CF₂H-containing dispiro[benzo[b]thiophene-oxindole-pyrrolidine]s via organocatalytic cycloaddition. Organic Chemistry Frontiers, 2021, 9, 210-215.	4.5	11
25	The introduction of l-phenylalanine into antimicrobial peptide protonectin enhances the selective antibacterial activity of its derivative phe-Prt against Gram-positive bacteria. Amino Acids, 2021, 53, 23-32.	2.7	9
26	Catalytic Asymmetric Construction of Tertiary Carbon Centers Featuring an Î±-Difluoromethyl Group with CF₂H-CH₂-NH₂ as the â€œBuilding Blockâ€. Organic Letters, 2021, 23, 2584-2589.	4.6	6
27	The effects of incorporation of the counterparts and mimics of l-lysine on the antimicrobial activity, hemolytic activity, cytotoxicity and tryptic stability of antimicrobial peptide polybia-MPII. Amino Acids, 2022, 54, 123-135.	2.7	5
28	Asymmetric Synthesis of Chiral Î±â€CF₂H Spiro[Indolineâ€3,3â€²â€Thiophene] via Phaseâ€Transfer Catalyzed Sulfaâ€Michael/Michael Domino Reaction. Advanced Synthesis and Catalysis, 2022, 364, 811-830.	4.3	5
29	Tryptic Stability and Antimicrobial Activity of the Derivatives of Polybia-CP with Fine-Tuning Modification in the Side Chain of Lysine. International Journal of Peptide Research and Therapeutics, 2021, 27, 851-862.	1.9	2
30	GM-Pep: A High Efficiency Strategy to De Novo Design Functional Peptide Sequences. Journal of Chemical Information and Modeling, 2022, 62, 2617-2629.	5.4	2