

# Kairong Wang

## List of Publications by Year in descending order

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

Version: 2024-02-01

30  
papers

1,187  
citations

304743

22  
h-index

454955

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1517  
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Amino Acids</i> , 2022, 54, 123-135.	2.7	5
2	Asymmetric Synthesis of Chiral $\alpha$ -CF <sub>2</sub> H Spiro[Indoline-3,3'-Thiophene] via Phase-Transfer Catalyzed Sulfa-Michael/Michael Domino Reaction. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 811-830.	4.3	5
3	An Injectable Peptide Hydrogel Constructed of Natural Antimicrobial Peptide J-1 and ADP Shows Anti-Infection, Hemostasis, and Antiadhesion Efficacy. <i>ACS Nano</i> , 2022, 16, 7636-7650.	14.6	54
4	GM-Pep: A High Efficiency Strategy to De Novo Design Functional Peptide Sequences. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 2617-2629.	5.4	2
5	The introduction of l-phenylalanine into antimicrobial peptide protonectin enhances the selective antibacterial activity of its derivative phe-Prt against Gram-positive bacteria. <i>Amino Acids</i> , 2021, 53, 23-32.	2.7	9
6	Tryptic Stability and Antimicrobial Activity of the Derivatives of Polybia-CP with Fine-Tuning Modification in the Side Chain of Lysine. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 851-862.	1.9	2
7	Stereoselective synthetic strategies of stereogenic carbon centers featuring a difluoromethyl group. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2799-2819.	4.5	27
8	Catalytic Asymmetric Construction of Tertiary Carbon Centers Featuring an $\alpha$ -Difluoromethyl Group with CF <sub>2</sub> H-CH <sub>2</sub> -NH <sub>2</sub> as the "Building Block". <i>Organic Letters</i> , 2021, 23, 2584-2589.	4.6	6
9	An optimized analog of antimicrobial peptide Jelleine-1 shows enhanced antimicrobial activity against multidrug resistant <i>P. Aeruginosa</i> and negligible toxicity in vitro and in vivo. <i>European Journal of Medicinal Chemistry</i> , 2021, 219, 113433.	5.5	30
10	A thin, deformable, high-performance supercapacitor implant that can be biodegraded and bioabsorbed within an animal body. <i>Science Advances</i> , 2021, 7, .	10.3	89
11	Efficient enantioselective synthesis of CF <sub>2</sub> H-containing dispiro[benzo[ <i>b</i> ]thiophene-oxindole-pyrrolidine]s via organocatalytic cycloaddition. <i>Organic Chemistry Frontiers</i> , 2021, 9, 210-215.	4.5	11
12	The catalytic asymmetric synthesis of CF <sub>3</sub> -containing spiro-oxindole-pyrrolidine-pyrazolone compounds through squaramide-catalyzed 1,3-dipolar cycloaddition. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5514-5519.	2.8	46
13	Highly efficient enantioselective synthesis of bispiro[benzofuran-oxindole-pyrrolidine]s through organocatalytic cycloaddition. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1567-1571.	4.5	54
14	The effect of halogenation on the antimicrobial activity, antibiofilm activity, cytotoxicity and proteolytic stability of the antimicrobial peptide Jelleine-I. <i>Peptides</i> , 2019, 112, 56-66.	2.4	49
15	The in vitro, in vivo antifungal activity and the action mode of Jelleine-I against <i>Candida</i> species. <i>Amino Acids</i> , 2018, 50, 229-239.	2.7	31
16	Antimicrobial activity and stability of protonectin with D-amino acid substitutions. <i>Journal of Peptide Science</i> , 2017, 23, 392-402.	1.4	27
17	Intramolecular cyclization of the antimicrobial peptide Polybia-MPI with triazole stapling: influence on stability and bioactivity. <i>Journal of Peptide Science</i> , 2017, 23, 824-832.	1.4	25
18	D-amino acid substitution enhances the stability of antimicrobial peptide polybia-CP. <i>Acta Biochimica Et Biophysica Sinica</i> , 2017, 49, 916-925.	2.0	80

#	ARTICLE	IF	CITATIONS
19	Antimicrobial activity and stability of the d-amino acid substituted derivatives of antimicrobial peptide polybia-MPI. <i>AMB Express</i> , 2016, 6, 122.	3.0	71
20	Antifungal effect and action mechanism of antimicrobial peptide polybia-CP. <i>Journal of Peptide Science</i> , 2016, 22, 28-35.	1.4	28
21	Antimicrobial activities and membrane-active mechanism of CPF1 against multidrug-resistant bacteria, a novel antimicrobial peptide derived from skin secretions of the tetraploid frog <i>Xenopus clivii</i> . <i>Journal of Peptide Science</i> , 2014, 20, 876-884.	1.4	27
22	Dual antifungal properties of cationic antimicrobial peptides polybia-MPI: Membrane integrity disruption and inhibition of biofilm formation. <i>Peptides</i> , 2014, 56, 22-29.	2.4	52
23	Membrane active antimicrobial activity and molecular dynamics study of a novel cationic antimicrobial peptide polybia-MPI, from the venom of <i>Polybia paulista</i> . <i>Peptides</i> , 2013, 39, 80-88.	2.4	32
24	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. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 220-228.	3.2	104
25	Membrane Perturbation Action Mode and Structure-Activity Relationships of Protonectin, a Novel Antimicrobial Peptide from the Venom of the Neotropical Social Wasp <i>Agelaia pallipes pallipes</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 4632-4639.	3.2	39
26	Membrane-Active Action Mode of Polybia-CP, a Novel Antimicrobial Peptide Isolated from the Venom of <i>Polybia paulista</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 3318-3323.	3.2	34
27	Membrane active antitumor activity of NK-18, a mammalian NK-lysin-derived cationic antimicrobial peptide. <i>Biochimie</i> , 2012, 94, 184-191.	2.6	43
28	Novel cytotoxicity exhibition mode of polybia-CP, a novel antimicrobial peptide from the venom of the social wasp <i>Polybia paulista</i> . <i>Toxicology</i> , 2011, 288, 27-33.	4.2	25
29	A novel analog of antimicrobial peptide Polybia-MPI, with thioamide bond substitution, exhibits increased therapeutic efficacy against cancer and diminished toxicity in mice. <i>Peptides</i> , 2010, 31, 1832-1838.	2.4	44
30	Antitumor effects, cell selectivity and structure-activity relationship of a novel antimicrobial peptide polybia-MPI. <i>Peptides</i> , 2008, 29, 963-968.	2.4	136