

Xinping Xi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Kassporin-KS1: A Novel Pentadecapeptide from the Skin Secretion of <i>Kassina senegalensis</i> : Studies on the Structure-Activity Relationships of Site-Specific ϵ -Glycine-Lysine Motif Insertions. <i>Antibiotics</i> , 2022, 11, 243.	3.7	1
2	In Vitro & In Vivo Studies on Identifying and Designing Temporin-1CEh from the Skin Secretion of <i>Rana chensinensis</i> as the Optimised Antibacterial Prototype Drug. <i>Pharmaceutics</i> , 2022, 14, 604.	4.5	3
3	Engineering and Structural Insights of a Novel BBI-like Protease Inhibitor Livisin from the Frog Skin Secretion. <i>Toxins</i> , 2022, 14, 273.	3.4	5
4	Discovery of a Novel Antimicrobial Peptide, Temporin-PKE, from the Skin Secretion of <i>Pelophylax kl. esculentus</i> , and Evaluation of Its Structure-Activity Relationships. <i>Biomolecules</i> , 2022, 12, 759.	4.0	5
5	Characterisation of a novel peptide, Brevinin-1H, from the skin secretion of <i>Amolops hainanensis</i> and rational design of several analogues. <i>Chemical Biology and Drug Design</i> , 2021, 97, 273-282.	3.2	9
6	Generation of truncated derivatives through in silico enzymatic digest of peptide GV30 target MRSA both in vitro and in vivo. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 4984-4996.	4.1	6
7	In vitro activities of a novel antimicrobial peptide isolated from <i>Phyllomedusa tomopterna</i> . <i>Microbial Pathogenesis</i> , 2021, 153, 104795.	2.9	5
8	Aggregation and Its Influence on the Bioactivities of a Novel Antimicrobial Peptide, Temporin-PF, and Its Analogues. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4509.	4.1	21
9	Structure-Activity Relationship and Molecular Docking of a Kunitz-Like Trypsin Inhibitor, Kunitzin-AH, from the Skin Secretion of <i>Amolops hainanensis</i> . <i>Pharmaceutics</i> , 2021, 13, 966.	4.5	4
10	Study on the Structure-Activity Relationship of an Antimicrobial Peptide, Brevinin-2GUb, from the Skin Secretion of <i>Hylarana guentheri</i> . <i>Antibiotics</i> , 2021, 10, 895.	3.7	7
11	Modification Strategy of D-leucine Residue Addition on a Novel Peptide from <i>Odorrana schmackeri</i> , with Enhanced Bioactivity and In Vivo Efficacy. <i>Toxins</i> , 2021, 13, 611.	3.4	4
12	Recent Advances and Challenges in Nanodelivery Systems for Antimicrobial Peptides (AMPs). <i>Antibiotics</i> , 2021, 10, 990.	3.7	21
13	Bioevaluation and Targeted Modification of Temporin-FL From the Skin Secretion of Dark-Spotted Frog (<i>Pelophylax nigromaculatus</i>). <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 707013.	3.5	3
14	In Vitro and In Vivo Studies on the Antibacterial Activity and Safety of a New Antimicrobial Peptide Dermaseptin-AC. <i>Microbiology Spectrum</i> , 2021, 9, e0131821.	3.0	5
15	Exploration of the Structure-Function Relationships of a Novel Frog Skin Secretion-Derived Bioactive Peptide, t-DPH1, through Use of Rational Design, Cationicity Enhancement and In Vitro Studies. <i>Antibiotics</i> , 2021, 10, 1529.	3.7	5
16	Broad-Spectrum Antimicrobial Activity and Improved Stability of a D-Amino Acid Enantiomer of DMPC-10A, the Designed Derivative of Dermaseptin Truncates. <i>Antibiotics</i> , 2020, 9, 627.	3.7	12
17	A Novel Amphibian Antimicrobial Peptide, Phylloseptin-PV1, Exhibits Effective Anti-staphylococcal Activity Without Inducing Either Hepatic or Renal Toxicity in Mice. <i>Frontiers in Microbiology</i> , 2020, 11, 565158.	3.5	10
18	Enhanced Antimicrobial Activity of N-Terminal Derivatives of a Novel Brevinin-1 Peptide from The Skin Secretion of <i>Odorrana schmackeri</i> . <i>Toxins</i> , 2020, 12, 484.	3.4	17

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19	Pharmacological Effects of a Novel Bradykinin-Related Peptide (RR-18) from the Skin Secretion of the Hejiang Frog (<i>Odorrana hejiangensis</i>) on Smooth Muscle. <i>Biomedicines</i> , 2020, 8, 225.	3.2	3
20	Identification and Target-Modification of SL-BBI: A Novel Bowman-Birk Type Trypsin Inhibitor from <i>Sylvirana latouchii</i> . <i>Biomolecules</i> , 2020, 10, 1254.	4.0	8
21	Modification and Targeted Design of N-Terminal Truncates Derived from Brevinin with Improved Therapeutic Efficacy. <i>Biology</i> , 2020, 9, 209.	2.8	12
22	Identification and Rational Design of a Novel Antibacterial Peptide Dermaseptin-AC from the Skin Secretion of the Red-Eyed Tree Frog <i>Agalychnis callidryas</i> . <i>Antibiotics</i> , 2020, 9, 243.	3.7	15
23	Novel Frog Skin-Derived Peptide Dermaseptin-PP for Lung Cancer Treatment: In vitro/vivo Evaluation and Anti-tumor Mechanisms Study. <i>Frontiers in Chemistry</i> , 2020, 8, 476.	3.6	15
24	A Novel Antimicrobial Peptide (Kassinatuerin-3) Isolated from the Skin Secretion of the African Frog, <i>Kassina senegalensis</i> . <i>Biology</i> , 2020, 9, 148.	2.8	10
25	Ranacyclin-NF, a Novel Bowman-Birk Type Protease Inhibitor from the Skin Secretion of the East Asian Frog, <i>Pelophylax nigromaculatus</i> . <i>Biology</i> , 2020, 9, 149.	2.8	7
26	Brevinin-1GHd: a novel <i>Hylarana guentheri</i> skin secretion-derived Brevinin-1 type peptide with antimicrobial and anticancer therapeutic potential. <i>Bioscience Reports</i> , 2020, 40, .	2.4	19
27	Brevinin-2GHk from <i>Sylvirana guentheri</i> and the Design of Truncated Analogs Exhibiting the Enhancement of Antimicrobial Activity. <i>Antibiotics</i> , 2020, 9, 85.	3.7	15
28	Identification of a new myotropic decapeptide from the skin secretion of the red-eyed leaf frog, <i>Agalychnis callidryas</i> . <i>PLoS ONE</i> , 2020, 15, e0243326.	2.5	0
29	Evaluating the Bioactivity of a Novel Antimicrobial and Anticancer Peptide, Dermaseptin-PS4(Der-PS4), from the Skin Secretion of <i>Phyllomedusa sauvagii</i> . <i>Molecules</i> , 2019, 24, 2974.	3.8	21
30	Bioevaluation of Ranatuerin-2Pb from the Frog Skin Secretion of <i>Rana pipiens</i> and its Truncated Analogues. <i>Biomolecules</i> , 2019, 9, 249.	4.0	18
31	A Novel Kunitzin-Like Trypsin Inhibitor Isolated from Defensive Skin Secretion of <i>Odorrana versabilis</i> . <i>Biomolecules</i> , 2019, 9, 254.	4.0	6
32	Discovery and Rational Design of a Novel Bowman-Birk Related Protease Inhibitor. <i>Biomolecules</i> , 2019, 9, 280.	4.0	13
33	A Novel Bradykinin-Related Peptide, RVA-Thr6-BK, from the Skin Secretion of the Hejiang Frog; <i>Odorrana hejiangensis</i> : Effects of Mammalian Isolated Smooth Muscle. <i>Toxins</i> , 2019, 11, 376.	3.4	5
34	A Novel Dermaseptin Isolated from the Skin Secretion of <i>Phyllomedusa tarsius</i> and Its Cationicity-Enhanced Analogue Exhibiting Effective Antimicrobial and Anti-Proliferative Activities. <i>Biomolecules</i> , 2019, 9, 628.	4.0	12
35	Design of N-Terminal Derivatives from a Novel Dermaseptin Exhibiting Broad-Spectrum Antimicrobial Activity against Isolates from Cystic Fibrosis Patients. <i>Biomolecules</i> , 2019, 9, 646.	4.0	12
36	Cloning of a novel trypsin inhibitor from the Traditional Chinese medicine decoction pieces, <i>Radix Trichosanthis</i> . <i>Analytical Biochemistry</i> , 2019, 578, 23-28.	2.4	1

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37	A novel membrane-disruptive antimicrobial peptide from frog skin secretion against cystic fibrosis isolates and evaluation of anti-MRSA effect using <i>Galleria mellonella</i> model. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 849-856.	2.4	39
38	<p>Structure&ndash;activity relationship of an antimicrobial peptide, Phylloseptin-PHa: balance of hydrophobicity and charge determines the selectivity of bioactivities</p>. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 447-458.	4.3	23
39	A Bowman-Birk type chymotrypsin inhibitor peptide from the amphibian, <i>Hylarana erythraea</i> . <i>Scientific Reports</i> , 2018, 8, 5851.	3.3	11
40	Identification of novel Amurin-2 variants from the skin secretion of <i>Rana amurensis</i> , and the design of cationicity-enhanced analogues. <i>Biochemical and Biophysical Research Communications</i> , 2018, 497, 943-949.	2.1	3
41	Identification and target-modifications of temporin-PE: A novel antimicrobial peptide in the defensive skin secretions of the edible frog, <i>Pelophylax kl. esculentus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 2539-2546.	2.1	12
42	Modification Targeting the “Rana Box” Motif of a Novel Nigrocin Peptide From <i>Hylarana latouchii</i> Enhances and Broadens Its Potency Against Multiple Bacteria. <i>Frontiers in Microbiology</i> , 2018, 9, 2846.	3.5	22
43	A novel antimicrobial peptide, Ranatuerin-2PLx, showing therapeutic potential in inhibiting proliferation of cancer cells. <i>Bioscience Reports</i> , 2018, 38, .	2.4	29
44	Evaluating the Bioactivity of a Novel Broad-Spectrum Antimicrobial Peptide Brevinin-1GHa from the Frog Skin Secretion of <i>Hylarana guentheri</i> and Its Analogues. <i>Toxins</i> , 2018, 10, 413.	3.4	25
45	Discovery of Novel Caeridins from the Skin Secretion of the Australian White’s Tree Frog, <i>Litoria caerulea</i> . <i>International Journal of Genomics</i> , 2018, 2018, 1-18.	1.6	1
46	Identification of <10 KD peptides in the water extraction of <i>Venenum Bufonis</i> from <i>Bufo gargarizans</i> using Nano LC-MS/MS and De novo sequencing. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 157, 156-164.	2.8	19
47	In vitro and clinical data analysis of Osteopontin as a prognostic indicator in colorectal cancer. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 4097-4105.	3.6	42
48	Evaluation of the bioactivity of a mastoparan peptide from wasp venom and of its analogues designed through targeted engineering. <i>International Journal of Biological Sciences</i> , 2018, 14, 599-607.	6.4	65
49	Discovery of Distinctin-Like-Peptide-PH (DLP-PH) From the Skin Secretion of <i>Phyllomedusa hypochondrialis</i> , a Prototype of a Novel Family of Antimicrobial Peptide. <i>Frontiers in Microbiology</i> , 2018, 9, 541.	3.5	10
50	Triggering of cancer cell cycle arrest by a novel scorpion venom-derived peptide “Gonearrestide”. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 4460-4473.	3.6	38
51	Biological Activities of Cationicity-Enhanced and Hydrophobicity-Optimized Analogues of an Antimicrobial Peptide, Dermaseptin-PS3, from the Skin Secretion of <i>Phyllomedusa sauvagii</i> . <i>Toxins</i> , 2018, 10, 320.	3.4	17
52	Discovery of two skin-derived dermaseptins and design of a TAT-fusion analogue with broad-spectrum antimicrobial activity and low cytotoxicity on healthy cells. <i>PeerJ</i> , 2018, 6, e5635.	2.0	10
53	Novel Kazal-type proteinase inhibitors from the skin secretion of the Splendid leaf frog, <i>Cruziohyala calcarifer</i> . <i>EuPA Open Proteomics</i> , 2017, 15, 1-13.	2.5	7
54	Identification of a Novel Vasodilatory Octapeptide from the Skin Secretion of the African Hyperoliid Frog, <i>Kassina senegalensis</i> . <i>Molecules</i> , 2017, 22, 1215.	3.8	3

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55	Discovery of Phylloseptins that Defense against Gram-Positive Bacteria and Inhibit the Proliferation of the Non-Small Cell Lung Cancer Cell Line, from the Skin Secretions of Phyllomedusa Frogs. <i>Molecules</i> , 2017, 22, 1428.	3.8	17
56	Dermaseptin-PH: A Novel Peptide with Antimicrobial and Anticancer Activities from the Skin Secretion of the South American Orange-Legged Leaf Frog, <i>Pithecopus (Phyllomedusa) hypochondrialis</i> . <i>Molecules</i> , 2017, 22, 1805.	3.8	59
57	PSN-PC: A Novel Antimicrobial and Anti-Biofilm Peptide from the Skin Secretion of <i>Phyllomedusa-camba</i> with Cytotoxicity on Human Lung Cancer Cell. <i>Molecules</i> , 2017, 22, 1896.	3.8	19
58	Targeted Modification of a Novel Amphibian Antimicrobial Peptide from <i>Phyllomedusa tarsius</i> to Enhance Its Activity against MRSA and Microbial Biofilm. <i>Frontiers in Microbiology</i> , 2017, 8, 628.	3.5	35
59	Pharmacological Effects of Two Novel Bombesin-Like Peptides from the Skin Secretions of Chinese Piebald Odorous Frog (<i>Odorrana schmackeri</i>) and European Edible Frog (<i>Pelophylax kl. esculentus</i>) on Smooth Muscle. <i>Molecules</i> , 2017, 22, 1798.	3.8	8
60	CD133 in brain tumor: the prognostic factor. <i>Oncotarget</i> , 2017, 8, 11144-11159.	1.8	34
61	A Combined Molecular Cloning and Mass Spectrometric Method to Identify, Characterize, and Design Frenatin Peptides from the Skin Secretion of <i>Litoria infrafronata</i> . <i>Molecules</i> , 2016, 21, 1429.	3.8	17
62	Two Novel Dermaseptin-Like Antimicrobial Peptides with Anticancer Activities from the Skin Secretion of <i>Pachymedusa dacnicolor</i> . <i>Toxins</i> , 2016, 8, 144.	3.4	35
63	Discovery of Novel Bacterial Cell-Penetrating Phylloseptins in Defensive Skin Secretions of the South American Hyliid Frogs, <i>Phyllomedusa duellmani</i> and <i>Phyllomedusa coelestis</i> . <i>Toxins</i> , 2016, 8, 255.	3.4	11
64	Baltikinin: A New Myotropic Tryptophyllin-3 Peptide Isolated from the Skin Secretion of the Purple-Sided Leaf Frog, <i>Phyllomedusa baltea</i> . <i>Toxins</i> , 2016, 8, 213.	3.4	3
65	Identification and Characterisation of the Antimicrobial Peptide, Phylloseptin-PT, from the Skin Secretion of <i>Phyllomedusa tarsius</i> , and Comparison of Activity with Designed, Cationicity-Enhanced Analogues and Diastereomers. <i>Molecules</i> , 2016, 21, 1667.	3.8	34
66	Phylloseptin-PBaA A Novel Broad-Spectrum Antimicrobial Peptide from the Skin Secretion of the Peruvian Purple-Sided Leaf Frog (<i>Phyllomedusa Baltea</i>) Which Exhibits Cancer Cell Cytotoxicity. <i>Toxins</i> , 2015, 7, 5182-5193.	3.4	20
67	AaeAP1 and AaeAP2: Novel Antimicrobial Peptides from the Venom of the Scorpion, <i>Androctonus aeneas</i> : Structural Characterisation, Molecular Cloning of Biosynthetic Precursor-Encoding cDNAs and Engineering of Analogues with Enhanced Antimicrobial and Anticancer Activities. <i>Toxins</i> , 2015, 7, 219-237.	3.4	39
68	A Review on Bradykinin-Related Peptides Isolated from Amphibian Skin Secretion. <i>Toxins</i> , 2015, 7, 951-970.	3.4	27
69	Balteatide: A Novel Antimicrobial Decapeptide from the Skin Secretion of the Purple-Sided Leaf Frog, <i>Phyllomedusa baltea</i> . <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.	2.1	3
70	Bradykinin-related peptides (BRPs) from skin secretions of three genera of phyllomedusine leaf frogs and their comparative pharmacological effects on mammalian smooth muscles. <i>Peptides</i> , 2014, 52, 122-133.	2.4	13
71	Senegalin: a novel antimicrobial/myotropic hexadecapeptide from the skin secretion of the African running frog, <i>Kassina senegalensis</i> . <i>Amino Acids</i> , 2013, 44, 1347-1355.	2.7	7
72	Medusins: A new class of antimicrobial peptides from the skin secretions of phyllomedusine frogs. <i>Biochimie</i> , 2013, 95, 1288-1296.	2.6	20