

Xiaoling Chen

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

654
citations

686830

13
h-index

676716

22
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42
all docs

42
docs citations

42
times ranked

742
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.6	65
2	The fate of medications evaluated for ischemic stroke pharmacotherapy over the period 1995â€“2015. <i>Acta Pharmaceutica Sinica B</i> , 2016, 6, 522-530.	5.7	64
3	Inhibition of ANO1/TMEM16A induces apoptosis in human prostate carcinoma cells by activating TNF- $\hat{\pm}$ signaling. <i>Cell Death and Disease</i> , 2018, 9, 703.	2.7	50
4	Severe deficiency of the voltage-gated sodium channel NaV1.2 elevates neuronal excitability in adult mice. <i>Cell Reports</i> , 2021, 36, 109495.	2.9	43
5	Deficiency of anti-inflammatory cytokine IL-4 leads to neural hyperexcitability and aggravates cerebral ischemiaâ€“reperfusion injury. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 1634-1645.	5.7	39
6	Effect of magnolol on cerebral injury and blood brain barrier dysfunction induced by ischemia-reperfusion in vivo and in vitro. <i>Metabolic Brain Disease</i> , 2017, 32, 1109-1118.	1.4	34
7	A novel antimicrobial peptide, Ranatuerin-2PLx, showing therapeutic potential in inhibiting proliferation of cancer cells. <i>Bioscience Reports</i> , 2018, 38, .	1.1	29
8	Hyperexcitability and Pharmacological Responsiveness of Cortical Neurons Derived from Human iPSCs Carrying Epilepsy-Associated Sodium Channel Nav1.2-L1342P Genetic Variant. <i>Journal of Neuroscience</i> , 2021, 41, 10194-10208.	1.7	23
9	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.	1.8	21
10	Recent Advances and Challenges in Nanodelivery Systems for Antimicrobial Peptides (AMPs). <i>Antibiotics</i> , 2021, 10, 990.	1.5	21
11	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, .	1.1	19
12	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.	1.5	17
13	Generation and basic characterization of a geneâ€“trap knockout mouse model of <i>Scn2a</i> with a substantial reduction of voltageâ€“gated sodium channel Na_v1.2 expression. <i>Genes, Brain and Behavior</i> , 2021, 20, e12725.	1.1	17
14	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.	1.5	15
15	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.	1.5	15
16	Deficiency of autism-related Scn2a gene in mice disrupts sleep patterns and circadian rhythms. <i>Neurobiology of Disease</i> , 2022, 168, 105690.	2.1	14
17	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.	1.8	12
18	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.	1.5	12

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19	Modification and Targeted Design of N-Terminal Truncates Derived from Brevinin with Improved Therapeutic Efficacy. <i>Biology</i> , 2020, 9, 209.	1.3	12
20	A Bowman-Birk type chymotrypsin inhibitor peptide from the amphibian, <i>Hylarana erythraea</i> . <i>Scientific Reports</i> , 2018, 8, 5851.	1.6	11
21	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.	1.5	10
22	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.	1.3	10
23	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.	1.5	9
24	Inhibition of intracellular proton-sensitive Ca ²⁺ -permeable TRPV3 channels protects against ischemic brain injury. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 2330-2347.	5.7	9
25	Anticonvulsant effect of dipropofol by enhancing native GABA currents in cortical neurons in mice. <i>Journal of Neurophysiology</i> , 2018, 120, 1404-1414.	0.9	8
26	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.	1.8	8
27	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.	1.3	7
28	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.	1.5	7
29	A Novel Kunitzin-Like Trypsin Inhibitor Isolated from Defensive Skin Secretion of <i>Odorrana versabilis</i> . <i>Biomolecules</i> , 2019, 9, 254.	1.8	6
30	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.	1.9	6
31	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.	1.5	5
32	PKA-RiI ² autophosphorylation modulates PKA activity and seizure phenotypes in mice. <i>Communications Biology</i> , 2021, 4, 263.	2.0	5
33	Evaluation of antimicrobial and anticancer activities of three peptides identified from the skin secretion of <i>Hylarana latouchii</i> . <i>Acta Biochimica Et Biophysica Sinica</i> , 2021, 53, 1469-1483.	0.9	5
34	Exploration of the Structure-Function Relationships of a Novel Frog Skin Secretion-Derived Bioactive Peptide, τ -DPH1, through Use of Rational Design, Cationicity Enhancement and In Vitro Studies. <i>Antibiotics</i> , 2021, 10, 1529.	1.5	5
35	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.	1.8	5
36	Structure-Activity Relationship and Molecular Docking of a Kunitzin-Like Trypsin Inhibitor, Kunitzin-AH, from the Skin Secretion of <i>Amolops hainanensis</i> . <i>Pharmaceutics</i> , 2021, 13, 966.	2.0	4

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37	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.	1.5	4
38	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.	1.0	3
39	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.	2.0	3
40	Kassporin-KS1: A Novel Pentadecapeptide from the Skin Secretion of <i>Kassina senegalensis</i> : Studies on the Structure-Activity Relationships of Site-Specific α -Glycine-Lysine Motif Insertions. <i>Antibiotics</i> , 2022, 11, 243.	1.5	1