

Yipeng Wang

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,725
citations

279798

23
h-index

302126

39
g-index

65
all docs

65
docs citations

65
times ranked

1792
citing authors

#	ARTICLE	IF	CITATIONS
1	Snake Cathelicidin from <i>Bungarus fasciatus</i> Is a Potent Peptide Antibiotics. <i>PLoS ONE</i> , 2008, 3, e3217.	2.5	199
2	Identification and Characterization of the First Cathelicidin from Sea Snakes with Potent Antimicrobial and Anti-inflammatory Activity and Special Mechanism. <i>Journal of Biological Chemistry</i> , 2015, 290, 16633-16652.	3.4	90
3	Toward an Understanding of the Molecular Mechanism for Successful Blood Feeding by Coupling Proteomics Analysis with Pharmacological Testing of Horsefly Salivary Glands. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 582-590.	3.8	77
4	Cathelicidin-BF, a Snake Cathelicidin-Derived Antimicrobial Peptide, Could Be an Excellent Therapeutic Agent for <i>Acne Vulgaris</i> . <i>PLoS ONE</i> , 2011, 6, e22120.	2.5	77
5	Antimicrobial peptides, conventional antibiotics, and their synergistic utility for the treatment of drug-resistant infections. <i>Medicinal Research Reviews</i> , 2022, 42, 1377-1422.	10.5	77
6	Odorranalectin Is a Small Peptide Lectin with Potential for Drug Delivery and Targeting. <i>PLoS ONE</i> , 2008, 3, e2381.	2.5	71
7	Biorefinery products from the inulin-containing crop Jerusalem artichoke. <i>Biotechnology Letters</i> , 2013, 35, 471-477.	2.2	65
8	A novel family of RGD-containing disintegrins (Tablysin-15) from the salivary gland of the horsefly <i>Tabanus yao</i> targets $\text{I}\beta\text{1}\beta\text{2}\text{3}$ or $\text{I}\beta\text{VI}\text{2}\text{3}$ and inhibits platelet aggregation and angiogenesis. <i>Thrombosis and Haemostasis</i> , 2011, 105, 1032-1045.	3.4	62
9	Anti-thrombosis Repertoire of Blood-feeding Horsefly Salivary Glands. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 2071-2079.	3.8	59
10	Peptidomics and genomics analysis of novel antimicrobial peptides from the frog, <i>Rana nigrovittata</i> . <i>Genomics</i> , 2010, 95, 66-71.	2.9	53
11	Two Immunoregulatory Peptides with Antioxidant Activity from Tick Salivary Glands. <i>Journal of Biological Chemistry</i> , 2010, 285, 16606-16613.	3.4	47
12	As-CATH1 α 6, novel cathelicidins with potent antimicrobial and immunomodulatory properties from <i>Alligator sinensis</i> , play pivotal roles in host antimicrobial immune responses. <i>Biochemical Journal</i> , 2017, 474, 2861-2885.	3.7	45
13	Molecular cloning and characterization of novel cathelicidin-derived myeloid antimicrobial peptide from <i>Phasianus colchicus</i> . <i>Developmental and Comparative Immunology</i> , 2011, 35, 314-322.	2.3	43
14	Cathelicidins from the Bullfrog <i>Rana catesbeiana</i> Provides Novel Template for Peptide Antibiotic Design. <i>PLoS ONE</i> , 2014, 9, e93216.	2.5	39
15	A Frog-Derived Immunomodulatory Peptide Promotes Cutaneous Wound Healing by Regulating Cellular Response. <i>Frontiers in Immunology</i> , 2019, 10, 2421.	4.8	36
16	Gene cloning, expression and characterization of avian cathelicidin orthologs, Cc α CATHs, from <i>Coturnix</i> . <i>FEBS Journal</i> , 2011, 278, 1573-1584.	4.7	31
17	Python Cathelicidin CATHPb1 Protects against Multidrug-Resistant Staphylococcal Infections by Antimicrobial-Immunomodulatory Duality. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 2075-2086.	6.4	31
18	Antimicrobial, anti-biofilm properties of three naturally occurring antimicrobial peptides against spoilage bacteria, and their synergistic effect with chemical preservatives in food storage. <i>Food Control</i> , 2021, 123, 107729.	5.5	31

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19	Identification and polymorphism discovery of the cathelicidins, Lfâ€œscp>CATH</scp>s in ranid amphibian (<i>LimnonectesÂfragilis</i>). FEBS Journal, 2013, 280, 6022-6032.	4.7	29
20	A Bi-Functional Anti-Thrombosis Protein Containing Both Direct-Acting Fibrin(ogen)olytic and Plasminogen-Activating Activities. PLoS ONE, 2011, 6, e17519.	2.5	27
21	Kiamycin, a Unique Cytotoxic Angucyclinone Derivative from a Marine Streptomyces sp.. Marine Drugs, 2012, 10, 551-558.	4.6	27
22	Novel Cathelicidins from Pigeon Highlights Evolutionary Convergence in Avain Cathelicidins and Functions in Modulation of Innate Immunity. Scientific Reports, 2015, 5, 11082.	3.3	27
23	Genomic sequence-based discovery of novel angucyclinone antibiotics from marine Streptomyces sp. W007. FEMS Microbiology Letters, 2012, 332, 105-112.	1.8	25
24	Isolation and cDNA cloning of cholecystokinin from the skin of Rana nigrovittata. Peptides, 2007, 28, 1540-1544.	2.4	24
25	Genome-wide analysis of putative peroxiredoxin in unicellular and filamentous cyanobacteria. BMC Evolutionary Biology, 2012, 12, 220.	3.2	21
26	Structural and functional characterization of CATH_BRALE, the defense molecule in the ancient salmonoid, Brachymystax lenok. Fish and Shellfish Immunology, 2013, 34, 1-7.	3.6	21
27	A small trypsin inhibitor from the frog of Odorrana grahami. Biochimie, 2008, 90, 1356-1361.	2.6	20
28	De Novo Molecular Design of a Novel Octapeptide That Inhibits In Vivo Melanogenesis and Has Great Transdermal Ability. Journal of Medicinal Chemistry, 2018, 61, 6846-6857.	6.4	20
29	The protective effect of fish-derived cathelicidins on bacterial infections in zebrafish, Danio rerio. Fish and Shellfish Immunology, 2019, 92, 519-527.	3.6	20
30	Anti-infective Effects of a Fish-Derived Antimicrobial Peptide Against Drug-Resistant Bacteria and Its Synergistic Effects With Antibiotic. Frontiers in Microbiology, 2020, 11, 602412.	3.5	18
31	Proteomics and transcriptome analysis coupled with pharmacological test reveals the diversity of anti-thrombosis proteins from the medicinal insect, Eupolyphaga sinensis. Insect Biochemistry and Molecular Biology, 2012, 42, 537-544.	2.7	17
32	Host defense peptides in skin secretions of Odorrana tiannanensis: Proof for other survival strategy of the frog than merely anti-microbial. Biochimie, 2012, 94, 649-655.	2.6	17
33	Assessing the potential of four cathelicidins for the management of mouse candidiasis and Candida albicans biofilms. Biochimie, 2016, 121, 268-277.	2.6	17
34	Hainanenins: A novel family of antimicrobial peptides with strong activity from Hainan cascade-frog, Amolops hainanensis. Peptides, 2012, 33, 251-257.	2.4	16
35	As-CATH4 and 5, two vertebrate-derived natural host defense peptides, enhance the immuno-resistance efficiency against bacterial infections in Chinese mitten crab, Eriocheir sinensis. Fish and Shellfish Immunology, 2017, 71, 202-209.	3.6	15
36	Purification and characterization of a novel defensin from the salivary glands of the black fly, Simulium bannaense. Parasites and Vectors, 2015, 8, 71.	2.5	14

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37	Cathelicidin-trypsin inhibitor loop conjugate represents a promising antibiotic candidate with protease stability. <i>Scientific Reports</i> , 2017, 7, 2600.	3.3	14
38	Identification and characterization of novel bi-functional cathelicidins from the black-spotted frog (<i>Pelophylax nigromaculata</i>) with both anti-infective and antioxidant activities. <i>Developmental and Comparative Immunology</i> , 2021, 116, 103928.	2.3	14
39	A novel anionic cathelicidin lacking direct antimicrobial activity but with potent anti-inflammatory and wound healing activities from the salamander <i>Tylostotriton kweichowensis</i> . <i>Biochimie</i> , 2021, 191, 37-50.	2.6	14
40	Hypoglycemic Properties of Oxovanadium (IV) Coordination Compounds with Carboxymethyl-Carrageenan and Carboxymethyl-Chitosan in Alloxan-Induced Diabetic Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-7.	1.2	13
41	Design of a Sea Snake Antimicrobial Peptide Derivative with Therapeutic Potential against Drug-Resistant Bacterial Infection. <i>ACS Infectious Diseases</i> , 2020, 6, 2451-2467.	3.8	13
42	Diversity, immunoregulatory action and structure-activity relationship of green sea turtle cathelicidins. <i>Developmental and Comparative Immunology</i> , 2019, 98, 189-204.	2.3	12
43	Roles of polymorphic cathelicidins in innate immunity of soft-shell turtle, <i>Pelodiscus sinensis</i> . <i>Developmental and Comparative Immunology</i> , 2019, 92, 179-192.	2.3	11
44	Identification and characterization of novel cathelicidins from the Chinese giant salamander (<i>Andrias davidianus</i>). <i>Zoological Research</i> , 2019, 40, 94-101.	2.1	11
45	Effects of C-terminal amidation and heptapeptide ring on the biological activities and advanced structure of amurin-9KY, a novel antimicrobial peptide identified from the brown frog, <i>Rana kunyensis</i> . <i>Zoological Research</i> , 2019, 40, 198-204.	2.1	11
46	Novel cathelicidin-derived antimicrobial peptides from <i>Equus caballus</i> . <i>FEBS Journal</i> , 2010, 277, 2329-2339.	4.7	10
47	Characterization of a Cathelicidin from the Colubrinae Snake, <i>Sinonatrix annularis</i> . <i>Zoological Science</i> , 2019, 36, 68.	0.7	10
48	Identification, eukaryotic expression and structure & function characterizations of β -defensin like homologues from <i>Pelodiscus sinensis</i> . <i>Developmental and Comparative Immunology</i> , 2017, 68, 108-117.	2.3	9
49	Identification and Characterization of Novel Antioxidant Peptides Involved in Redox Homeostasis of Frog, <i>Limnonectes fragilis</i> . <i>Protein and Peptide Letters</i> , 2015, 22, 776-784.	0.9	9
50	Molecular Cloning, Sequence Analysis and Phylogeny of First Caudata G-type Lysozyme in Axolotl (<i>Ambystoma mexicanum</i>). <i>Zoological Science</i> , 2013, 30, 938-943.	0.7	7
51	Photocurrent generation by recombinant allophycocyanin trimer multilayer on TiO ₂ electrode. <i>Chinese Chemical Letters</i> , 2013, 24, 163-166.	9.0	6
52	Antiviral activity of cathelicidin 5, a peptide from <i>Alligator sinensis</i> , against WSSV in caridean shrimp <i>Exopalaemon modestus</i> . <i>Fish and Shellfish Immunology</i> , 2019, 93, 82-89.	3.6	6
53	Defensing role of novel piscidins from largemouth bass (<i>Micropterus salmoides</i>) with evidence of bactericidal activities and inducible expressional delineation. <i>Microbiological Research</i> , 2022, 256, 126953.	5.3	6
54	Three naturally occurring host defense peptides protect largemouth bass (<i>Micropterus salmoides</i>) against bacterial infections. <i>Aquaculture</i> , 2022, 546, 737383.	3.5	5

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55	Genome-Wide Analysis of Biotin Biosynthesis in Eukaryotic Photosynthetic Algae. <i>Plant Molecular Biology Reporter</i> , 2012, 30, 421-432.	1.8	4
56	A small cytotoxic peptide from frog elicits potent antitumor immunity to prevent local tumor growth and metastases. <i>Future Medicinal Chemistry</i> , 2019, 11, 2505-2525.	2.3	4
57	Molecular Cloning, Sequence Analysis and Homology Modeling of the First Caudata Amphibian Antifreeze-Like Protein in Axolotl (<i>Ambystoma mexicanum</i>). <i>Zoological Science</i> , 2013, 30, 658-662.	0.7	3
58	Express sequence tag analysis and identification of anseriformes trypsin genes from full-length cDNA library of the duck (<i>Anas platyrhynchos</i>) and characterization of their structure and function. <i>Biochemistry (Moscow)</i> , 2016, 81, 152-162.	1.5	1
59	Geographically Distinct Expression Profile of Host Defense Peptides in the Skin of the Chinese Odorous Frog, <i>Odorrana margaretae</i> . <i>Asian Herpetological Research</i> , 2014, 4, 288-297.	0.2	1
60	As-Cathelicidin4 enhances the immune response and resistance against <i>Aeromonas hydrophila</i> in caridean shrimp. <i>Journal of Fish Diseases</i> , 2022, 45, 743-754.	1.9	1