Yen-Hua Huang

List of Publications by Year
in descending order

57 papers	2,367 citations	257450 24 h-index	206112 48 g-index
60 all docs	60 docs citations	60 times ranked	2044 citing authors

#	Article	IF	Citations
1	Cyclotides: Natural, Circular Plant Peptides that Possess Significant Activity against Gastrointestinal Nematode Parasites of Sheep. Biochemistry, 2008, 47, 5581-5589.	2.5	162
2	Identification and Characterization of a New Family of Cell-penetrating Peptides. Journal of Biological Chemistry, 2011, 286, 36932-36943.	3.4	159
3	Decoding the Membrane Activity of the Cyclotide Kalata B1. Journal of Biological Chemistry, 2011, 286, 24231-24241.	3.4	155
4	The Biological Activity of the Prototypic Cyclotide Kalata B1 Is Modulated by the Formation of Multimeric Pores. Journal of Biological Chemistry, 2009, 284, 20699-20707.	3.4	144
5	Design and characterization of novel antimicrobial peptides, R-BP100 and RW-BP100, with activity against Gram-negative and Gram-positive bacteria. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 944-955.	2.6	144
6	High-affinity Cyclic Peptide Matriptase Inhibitors. Journal of Biological Chemistry, 2013, 288, 13885-13896.	3.4	122
7	Phosphatidylethanolamine Binding Is a Conserved Feature of Cyclotide-Membrane Interactions. Journal of Biological Chemistry, 2012, 287, 33629-33643.	3.4	115
8	Fmoc-Based Synthesis of Disulfide-Rich Cyclic Peptides. Journal of Organic Chemistry, 2014, 79, 5538-5544.	3.2	110
9	Lysine-scanning Mutagenesis Reveals an Amendable Face of the Cyclotide Kalata B1 for the Optimization of Nematocidal Activity. Journal of Biological Chemistry, 2010, 285, 10797-10805.	3.4	99
10	Semienzymatic Cyclization of Disulfide-rich Peptides Using Sortase A. Journal of Biological Chemistry, 2014, 289, 6627-6638.	3.4	83
11	The Prototypic Cyclotide Kalata B1 Has a Unique Mechanism of Entering Cells. Chemistry and Biology, 2015, 22, 1087-1097.	6.0	71
12	Cyclotides Suppress Human T-Lymphocyte Proliferation by an Interleukin 2-Dependent Mechanism. PLoS ONE, 2013, 8, e68016.	2.5	67
13	Cyclization of the Antimicrobial Peptide Gomesin with Native Chemical Ligation: Influences on Stability and Bioactivity. ChemBioChem, 2013, 14, 617-624.	2.6	62
14	Anticancer and Toxic Properties of Cyclotides are Dependent on Phosphatidylethanolamine Phospholipid Targeting. ChemBioChem, 2014, 15, 1956-1965.	2.6	60
15	Design of substrate-based BCR-ABL kinase inhibitors using the cyclotide scaffold. Scientific Reports, 2015, 5, 12974.	3.3	58
16	The Antimicrobial Activity of Sub3 is Dependent on Membrane Binding and Cellâ€Penetrating Ability. ChemBioChem, 2013, 14, 2013-2022.	2.6	55
17	Cyclotide Interactions with the Nematode External Surface. Antimicrobial Agents and Chemotherapy, 2010, 54, 2160-2166.	3.2	44
18	Redesigned Spider Peptide with Improved Antimicrobial and Anticancer Properties. ACS Chemical Biology, 2017, 12, 2324-2334.	3.4	43

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19	Inhibition of tau aggregation using a naturally-occurring cyclic peptide scaffold. European Journal of Medicinal Chemistry, 2016, 109, 342-349.	5.5	42
20	Characterization of Tachyplesin Peptides and Their Cyclized Analogues to Improve Antimicrobial and Anticancer Properties. International Journal of Molecular Sciences, 2019, 20, 4184.	4.1	38
21	Cyclotides: Disulfide-rich peptide toxins in plants. Toxicon, 2019, 172, 33-44.	1.6	36
22	Optimization of the cyclotide framework to improve cell penetration properties. Frontiers in Pharmacology, 2015, 6, 17.	3.5	31
23	Development of cellâ€penetrating peptideâ€based drug leads to inhibit MDMX:p53 and MDM2:p53 interactions. Biopolymers, 2016, 106, 853-863.	2.4	29
24	Understanding the Diversity and Distribution of Cyclotides from Plants of Varied Genetic Origin. Journal of Natural Products, 2017, 80, 1522-1530.	3.0	25
25	Insecticidal spider toxins are high affinity positive allosteric modulators of the nicotinic acetylcholine receptor. FEBS Letters, 2019, 593, 1336-1350.	2.8	23
26	The emerging landscape of peptide-based inhibitors of PCSK9. Atherosclerosis, 2021, 330, 52-60.	0.8	23
27	Efficient Enzymatic Cyclization of Disulfideâ€Rich Peptides by Using Peptide Ligases. ChemBioChem, 2019, 20, 1524-1529.	2.6	22
28	Discovery and mechanistic studies of cytotoxic cyclotides from the medicinal herb Hybanthus enneaspermus. Journal of Biological Chemistry, 2020, 295, 10911-10925.	3.4	22
29	Rational Design of Potent Peptide Inhibitors of the PD-1:PD-L1 Interaction for Cancer Immunotherapy. Journal of the American Chemical Society, 2021, 143, 18536-18547.	13.7	22
30	An Ultrapotent and Selective Cyclic Peptide Inhibitor of Human Î²-Factor XIIa in a Cyclotide Scaffold. Journal of the American Chemical Society, 2021, 143, 18481-18489.	13.7	22
31	Lengths of the C-Terminus and Interconnecting Loops Impact Stability of Spider-Derived Gating Modifier Toxins. Toxins, 2017, 9, 248.	3.4	21
32	Enhanced Activity against Multidrug-Resistant Bacteria through Coapplication of an Analogue of Tachyplesin I and an Inhibitor of the QseC/B Signaling Pathway. Journal of Medicinal Chemistry, 2020, 63, 3475-3484.	6.4	20
33	A Novel Quantitative Kinase Assay Using Bacterial Surface Display and Flow Cytometry. PLoS ONE, 2013, 8, e80474.	2.5	20
34	Synthesis, Racemic X-ray Crystallographic, and Permeability Studies of Bioactive Orbitides from Jatropha Species. Journal of Natural Products, 2018, 81, 2436-2445.	3.0	16
35	Cyclic gomesin, a stable redesigned spider peptide able to enter cancer cells. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183480.	2.6	16
36	Angler Peptides: Macrocyclic Conjugates Inhibit p53:MDM2/X Interactions and Activate Apoptosis in Cancer Cells. ACS Chemical Biology, 2021, 16, 414-428.	3.4	16

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37	Backbone cyclization of analgesic conotoxin GeXIVA facilitates direct folding of the ribbon isomer. Journal of Biological Chemistry, 2017, 292, 17101-17112.	3.4	15
38	Cell Membrane Composition Drives Selectivity and Toxicity of Designed Cyclic Helixâ€“Loopâ€“Helix Peptides with Cell Penetrating and Tumor Suppressor Properties. ACS Chemical Biology, 2019, 14, 2071-2087.	3.4	15
39	Insecticidal diversity of butterfly pea (Clitoria ternatea) accessions. Industrial Crops and Products, 2020, 147, 112214.	5.2	15
40	Cellular Uptake and Cytosolic Delivery of a Cyclic Cystine Knot Scaffold. ACS Chemical Biology, 2020, 15, 1650-1661.	3.4	14
41	Cyclisation of Disulfideâ€Rich Conotoxins in Drug Design Applications. European Journal of Organic Chemistry, 2016, 2016, 3462-3472.	2.4	13
42	Pharmacokinetic characterization of kalata B1 and related therapeutics built on the cyclotide scaffold. International Journal of Pharmaceutics, 2019, 565, 437-446.	5.2	12
43	Exploring the Sequence Diversity of Cyclotides from Vietnamese Viola Species. Journal of Natural Products, 2020, 83, 1817-1828.	3.0	12
44	Structural and functional characterization of chimeric cyclotides from the MÃ¶bius and trypsin inhibitor subfamilies. Biopolymers, 2017, 108, e22927.	2.4	11
45	An Integrated Molecular Grafting Approach for the Design of Keap1-Targeted Peptide Inhibitors. ACS Chemical Biology, 2021, 16, 1276-1287.	3.4	11
46	Enabling Efficient Folding and High-Resolution Crystallographic Analysis of Bracelet Cyclotides. Molecules, 2021, 26, 5554.	3.8	10
47	Circular Permutation of the Native Enzyme-Mediated Cyclization Position in Cyclotides. ACS Chemical Biology, 2020, 15, 962-969.	3.4	7
48	Effects of arginine 10 to lysine substitution on Ï‰â€conotoxin <scp>CVIE</scp> and <scp>CVIF</scp> block of <scp>Ca_v</scp>2.2 channels. British Journal of Pharmacology, 2014, 171, 3313-3327.	5.4	6
49	Evaluation of the in Vivo Aphrodisiac Activity of a Cyclotide Extract from Hybanthus enneaspermus. Journal of Natural Products, 2020, 83, 3736-3743.	3.0	6
50	É‘Oâ€Conotoxin GeXIVA isomers modulate Nâ€type calcium (Ca_V2.2) channels and inwardlyâ€rectifying potassium (GIRK) channels via GABA_B receptor activation. Journal of Neurochemistry, 2022, 160, 154-171.	3.9	6
51	Towards a generic prototyping approach for therapeutically-relevant peptides and proteins in a cell-free translation system. Nature Communications, 2022, 13, 260.	12.8	5
52	Comparative analysis of cyclotide-producing plant cell suspensions presents opportunities for cyclotide plant molecular farming. Phytochemistry, 2022, 195, 113053.	2.9	4
53	Mutagenesis of bracelet cyclotide hyen D reveals functionally and structurally critical residues for membrane binding and cytotoxicity. Journal of Biological Chemistry, 2022, 298, 101822.	3.4	4
54	Mutagenesis of cyclotide Cter 27 exemplifies a robust folding strategy for bracelet cyclotides. Peptide Science, 2022, 114, .	1.8	3

#	ARTICLE	IF	CITATIONS
55	Protocols for measuring the stability and cytotoxicity of cyclotides. Methods in Enzymology, 2022, 663, 19-40.	1.0	1
56	Membrane Interactions and the Formation of Multimeric Pores by Cyclotides. Biophysical Journal, 2010, 98, 609a.	0.5	0
57	Front Cover: Cyclisation of Disulfide-Rich Conotoxins in Drug Design Applications (Eur. J. Org. Chem.) Tj ETQq1 1 0.784314 rgBT /Ove	2.4	0