

Yibing Huang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

1,488
citations

19
h-index

37
g-index

71
ext. papers

1,792
ext. citations

4.3
avg, IF

4.77
L-index

#	Paper	IF	Citations
65	Alpha-helical cationic antimicrobial peptides: relationships of structure and function. <i>Protein and Cell</i> , 2010 , 1, 143-52	7.2	297
64	Studies on mechanism of action of anticancer peptides by modulation of hydrophobicity within a defined structural framework. <i>Molecular Cancer Therapeutics</i> , 2011 , 10, 416-26	6.1	132
63	D-amino acids modulate the cellular response of enzymatic-instructed supramolecular nanofibers of small peptides. <i>Biomacromolecules</i> , 2014 , 15, 3559-68	6.9	85
62	Inhibitory effects and mechanisms of physiological conditions on the activity of enantiomeric forms of an helical antibacterial peptide against bacteria. <i>Peptides</i> , 2011 , 32, 1488-95	3.8	79
61	Role of helicity of helical antimicrobial peptides to improve specificity. <i>Protein and Cell</i> , 2014 , 5, 631-42	7.2	66
60	Alpha-helical cationic anticancer peptides: a promising candidate for novel anticancer drugs. <i>Mini-Reviews in Medicinal Chemistry</i> , 2015 , 15, 73-81	3.2	64
59	Cucurbit[8]uril-Based Giant Supramolecular Vesicles: Highly Stable, Versatile Carriers for Photoresponsive and Targeted Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 4603-4613	9.5	59
58	Irisin inhibits pancreatic cancer cell growth via the AMPK-mTOR pathway. <i>Scientific Reports</i> , 2018 , 8, 15247	4.7	47
57	Ligand-receptor interaction catalyzes the aggregation of small molecules to induce cell necroptosis. <i>Journal of the American Chemical Society</i> , 2015 , 137, 26-9	16.4	40
56	Role of helicity on the anticancer mechanism of action of cationic-helical peptides. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 6849-62	6.3	35
55	Functional synergy of helical antimicrobial peptides and traditional antibiotics against Gram-negative and Gram-positive bacteria in vitro and in vivo. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2015 , 34, 197-204	5.3	32
54	Two hits are better than one: synergistic anticancer activity of helical peptides and doxorubicin/epirubicin. <i>Oncotarget</i> , 2015 , 6, 1769-78	3.3	28
53	TAT Modification of Alpha-Helical Anticancer Peptides to Improve Specificity and Efficacy. <i>PLoS ONE</i> , 2015 , 10, e0138911	3.7	28
52	Co-administration of iRGD with peptide HPRP-A1 to improve anticancer activity and membrane penetrability. <i>Scientific Reports</i> , 2018 , 8, 2274	4.9	26
51	Effects and Molecular Mechanism of GST-Irisin on Lipolysis and Autocrine Function in 3T3-L1 Adipocytes. <i>PLoS ONE</i> , 2016 , 11, e0147480	3.7	25
50	Synergistic effect of the pro-apoptosis peptide kla-TAT and the cationic anticancer peptide HPRP-A1. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2018 , 23, 132-142	5.4	21
49	Effects and mechanisms of the secondary structure on the antimicrobial activity and specificity of antimicrobial peptides. <i>Journal of Peptide Science</i> , 2015 , 21, 561-8	2.1	19

48	Structure-guided de novo design of helical antimicrobial peptide with enhanced specificity. <i>Pure and Applied Chemistry</i> , 2010 , 82, 243-257	2.1	19
47	A sensitive "off-on" carbon dots-Ag nanoparticles fluorescent probe for cysteamine detection via the inner filter effect. <i>Talanta</i> , 2021 , 221, 121463	6.2	19
46	Comparison on effect of hydrophobicity on the antibacterial and antifungal activities of helical antimicrobial peptides. <i>Science China Chemistry</i> , 2013 , 56, 1307-1314	7.9	18
45	A novel colorimetric and near-infrared fluorescence probe for detecting and imaging exogenous and endogenous hydrogen peroxide in living cells. <i>Talanta</i> , 2020 , 217, 121000	6.2	16
44	Fluorometric detection of dopamine based on 3-aminophenylboronic acid-functionalized AgInZnS QDs and cells imaging. <i>Talanta</i> , 2020 , 217, 121081	6.2	15
43	In vitro Characterization of the Rapid Cytotoxicity of Anticancer Peptide HPRP-A2 through Membrane Destruction and Intracellular Mechanism against Gastric Cancer Cell Lines. <i>PLoS ONE</i> , 2015 , 10, e0139578	3.7	15
42	Synthesis of tripeptide RGD amide by a combination of chemical and enzymatic methods. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2005 , 37, 9-15		15
41	Irisin Enhances Doxorubicin-Induced Cell Apoptosis in Pancreatic Cancer by Inhibiting the PI3K/AKT/NF- κ B Pathway. <i>Medical Science Monitor</i> , 2019 , 25, 6085-6096	3.2	15
40	Tryptophan as a probe to study the anticancer mechanism of action and specificity of helical anticancer peptides. <i>Molecules</i> , 2014 , 19, 12224-41	4.8	14
39	Development of a water-soluble near-infrared fluorescent probe for endogenous cysteine imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 226, 117544	4.4	14
38	Coadministration of kla peptide with HPRP-A1 to enhance anticancer activity. <i>PLoS ONE</i> , 2019 , 14, e0223738	3.7	13
37	Functional Synergy Of Antimicrobial Peptides And Chlorhexidine Acetate Against Gram-Negative/Gram-Positive Bacteria And A Fungus In Vitro And In Vivo. <i>Infection and Drug Resistance</i> , 2019 , 12, 3227-3239	4.2	12
36	Screening and rational design of hepatitis C virus entry inhibitory peptides derived from GB virus A NS5A. <i>Journal of Virology</i> , 2013 , 87, 1649-57	6.6	12
35	Rational design of peptides with anti-HCV/HIV activities and enhanced specificity. <i>Chemical Biology and Drug Design</i> , 2011 , 78, 835-43	2.9	12
34	Targeted Modification of the Cationic Anticancer Peptide HPRP-A1 with iRGD To Improve Specificity, Penetration, and Tumor-Tissue Accumulation. <i>Molecular Pharmaceutics</i> , 2019 , 16, 561-572	5.6	12
33	Prokaryotic expression and mechanism of action of helical antimicrobial peptide A20L using fusion tags. <i>BMC Biotechnology</i> , 2015 , 15, 69	3.5	11
32	Production of an antimicrobial peptide AN5-1 in Escherichia coli and its dual mechanisms against bacteria. <i>Chemical Biology and Drug Design</i> , 2015 , 85, 598-607	2.9	11
31	Synthesis of a precursor dipeptide of RGDS (Arg-Gly-Asp-Ser) catalysed by the industrial protease alcalase. <i>Biotechnology and Applied Biochemistry</i> , 2006 , 44, 73-80	2.8	11

30	Lysosome-targeted ratiometric fluorescent sensor for monitoring pH in living cells based on one-pot-synthesized carbon dots. <i>Mikrochimica Acta</i> , 2020 , 187, 478	5.8	11
29	Effects of single amino acid substitution on the biophysical properties and biological activities of an amphipathic β -helical antibacterial peptide against Gram-negative bacteria. <i>Molecules</i> , 2014 , 19, 10803-17	4.8	10
28	Specificity and mechanism of action of alpha-helical membrane-active peptides interacting with model and biological membranes by single-molecule force spectroscopy. <i>Scientific Reports</i> , 2016 , 6, 29145	4.9	10
27	A novel water-soluble near-infrared fluorescent probe for monitoring mitochondrial viscosity. <i>Talanta</i> , 2021 , 233, 122592	6.2	10
26	The Enzyme-instructed assembly of the core of yeast prion Sup35 to form supramolecular hydrogels. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 1318-1323	7.3	9
25	Chemo-enzymatic synthesis of tripeptide RGD in organic solvents. <i>Enzyme and Microbial Technology</i> , 2003 , 33, 55-61	3.8	9
24	Co-administration of kla-TAT peptide and iRGD to enhance the permeability on A549 3D multiple sphere cells and accumulation on xenograft mice. <i>Chemical Biology and Drug Design</i> , 2018 , 92, 1567-1575	2.9	8
23	Enantiomeric Effect of d-Amino Acid Substitution on the Mechanism of Action of β -Helical Membrane-Active Peptides. <i>International Journal of Molecular Sciences</i> , 2017 , 19,	6.3	8
22	Length-dependent proteolytic cleavage of short oligopeptides catalyzed by matrix metalloprotease-9. <i>Biopolymers</i> , 2013 , 100, 790-795	2.2	6
21	A neoteric dual-signal colorimetric fluorescent probe for detecting endogenous/exogenous hydrogen peroxide in cells and monitoring drug-induced hepatotoxicity. <i>Talanta</i> , 2021 , 233, 122578	6.2	6
20	Ratiometric fluorescent sensor based on MoS QDs and AuNCs for determination and bioimaging of alkaline phosphatase. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 262, 120087	4.4	6
19	Chemo-enzymatic synthesis of tripeptide RGD diamide in organic solvents. <i>Journal of Biotechnology</i> , 2005 , 116, 51-9	3.7	5
18	A Study on Anti-oxidative Activity of Soybean Peptides with Linoleic Acid Peroxidation Systems. <i>Chemical Research in Chinese Universities</i> , 2006 , 22, 205-208	2.2	5
17	Duplex Real-Time PCR Method for the Differentiation of <i>Cronobacter sakazakii</i> and <i>Cronobacter malonicus</i> . <i>Journal of Food Protection</i> , 2017 , 80, 50-56	2.5	4
16	Structure-guided RP-HPLC chromatography of diastereomeric β -helical peptide analogs substituted with single amino acid stereoisomers. <i>Biomedical Chromatography</i> , 2014 , 28, 511-7	1.7	4
15	Synthesis of a precursor dipeptide of thymopentin in organic solvents by an enzymatic method. <i>Preparative Biochemistry and Biotechnology</i> , 2008 , 38, 158-71	2.4	4
14	New synthetic route for RGD tripeptide. <i>Preparative Biochemistry and Biotechnology</i> , 2006 , 36, 243-52	2.4	4
13	Synthesis of tetrapeptide Bz-RGDS-NH ₂ by a combination of chemical and enzymatic methods. <i>Journal of Biotechnology</i> , 2006 , 125, 311-8	3.7	4

12	Chemo-enzymatic synthesis of precursor tetrapeptide BzRGDS-NH ₂ of cellular adhesion motif in low-water organic media. <i>Enzyme and Microbial Technology</i> , 2006 , 39, 1159-1165	3.8	4
11	Sensitive ratiometric fluorescence probe based on chitosan carbon dots and calcein for Alkaline phosphatase detection and bioimaging in cancer cells. <i>Analytica Chimica Acta</i> , 2021 , 1188, 339163	6.6	4
10	Research on the effect and mechanism of antimicrobial peptides HPRP-A1/A2 work against <i>Toxoplasma gondii</i> infection. <i>Parasite Immunology</i> , 2019 , 41, e12619	2.2	4
9	Anticancer Activity and Mechanism of Action of kla-TAT Peptide. <i>International Journal of Peptide Research and Therapeutics</i> , 2020 , 26, 2285-2296	2.1	3
8	Alcalase-catalyzed, kinetically controlled synthesis of a precursor dipeptide of RGDS in organic solvents. <i>Preparative Biochemistry and Biotechnology</i> , 2006 , 36, 93-105	2.4	3
7	A novel near-infrared fluorescent probe for intracellular detection of cysteine. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 7211-7217	4.4	3
6	Prokaryotic expression and antimicrobial mechanism of XPF-St7-derived α -helical peptides. <i>Journal of Peptide Science</i> , 2015 , 21, 46-52	2.1	2
5	Trypsin-catalyzed kinetically controlled synthesis of a precursor dipeptide of thymopentin in organic solvents, using a free amino acid as nucleophile. <i>Preparative Biochemistry and Biotechnology</i> , 2004 , 34, 45-56	2.4	2
4	Alcalase-catalysed synthesis of the precursor tetrapeptide N-benzoylarginylglycylaspartylserinamide (Bz-RGDS-NH ₂) of the cell-adhesion peptide arginylglycylaspartylserine (RGDS). <i>Biotechnology and Applied Biochemistry</i> , 2008 , 51, 119-27	2.8	1
3	Inhibitory Effects and Mechanism of the Combined Use of α -Helical Peptides HPRP-A1/HPRP-A2 and Chlorhexidine Acetate Against Bacterial and Fungal Biofilms. <i>International Journal of Peptide Research and Therapeutics</i> , 2021 , 27, 527-542	2.1	1
2	Ratiometric fluorescence and colorimetric dual-mode sensing platform based on carbon dots for detecting copper(II) ions and D-penicillamine.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 414, 1651	4.4	0
1	Enzymatic Selectivity in Synthetic Methods165-202		