Zhong-Ji Qian

List of Publications by Year
in descending order

76 papers	3,326 citations	218677 26 h-index	149698 56 g-index
76 all docs	76 docs citations	76 times ranked	3405 citing authors

#	Article	IF	Citations
1	Purification and characterization of an antioxidant peptide obtained from tuna backbone protein by enzymatic hydrolysis. Process Biochemistry, 2007, 42, 840-846.	3.7	409
2	Free radical scavenging activity of a novel antioxidative peptide purified from hydrolysate of bullfrog skin, Rana catesbeiana Shaw. Bioresource Technology, 2008, 99, 1690-1698.	9.6	352
3	Chemical components and its antioxidant properties in vitro: An edible marine brown alga, Ecklonia cava. Bioorganic and Medicinal Chemistry, 2009, 17, 1963-1973.	3.0	325
4	Protective effect of an antioxidative peptide purified from gastrointestinal digests of oyster, Crassostrea gigas against free radical induced DNA damage. Bioresource Technology, 2008, 99, 3365-3371.	9.6	245
5	Antihypertensive Effect of Angiotensin I Converting Enzyme-Inhibitory Peptide from Hydrolysates of Bigeye Tuna Dark Muscle, Thunnus obesus. Journal of Agricultural and Food Chemistry, 2007, 55, 8398-8403.	5.2	166
6	In vitro antioxidant activity of a peptide isolated from Nile tilapia (Oreochromis niloticus) scale gelatin in free radical-mediated oxidative systems. Journal of Functional Foods, 2010, 2, 107-117.	3.4	154
7	Differentiation of human osteosarcoma cells by isolated phlorotannins is subtly linked to COX-2, iNOS, MMPs, and MAPK signaling: Implication for chronic articular disease. Chemico-Biological Interactions, 2009, 179, 192-201.	4.0	106
8	Paeonol from Hippocampus kuda Bleeler suppressed the neuro-inflammatory responses in vitro via NF-Î°B and MAPK signaling pathways. Toxicology in Vitro, 2012, 26, 878-887.	2.4	98
9	Investigating the composition and distribution of microplastics surface biofilms in coral areas. Chemosphere, 2020, 252, 126565.	8.2	88
10	Characterization of growth and protein contents from microalgae Navicula incerta with the investigation of antioxidant activity of enzymatic hydrolysates. Food Science and Biotechnology, 2011, 20, 183-191.	2.6	65
11	Purification of a peptide from seahorse, that inhibits TPA-induced MMP, iNOS and COX-2 expression through MAPK and NF-Î°B activation, and induces human osteoblastic and chondrocytic differentiation. Chemico-Biological Interactions, 2010, 184, 413-422.	4.0	63
12	Antioxidant Peptides from Protein Hydrolysate of Microalgae Navicula incerta and their Protective Effects in Hepg2/CYP2E1 Cells Induced by Ethanol. Phytotherapy Research, 2012, 26, 1555-1563.	5.8	60
13	Comparison of an angiotensinâ€Iâ€converting enzyme inhibitory peptide from tilapia (Oreochromis) Tj ETQq1 1 0.784314 rgBT /O digestion and a molecular docking study. Journal of the Science of Food and Agriculture, 2020, 100, 315-324.	3.5	53
14	Inhibitors of Oxidation and Matrix Metalloproteinases, Floridoside, and <scp>d</scp>-Isofloridoside from Marine Red Alga Laurencia undulata. Journal of Agricultural and Food Chemistry, 2010, 58, 578-586.	5.2	50
15	SHP-1, a novel peptide isolated from seahorse inhibits collagen release through the suppression of collagenases 1 and 3, nitric oxide products regulated by NF-Î°B/p38 kinase. Peptides, 2010, 31, 79-87.	2.4	49
16	A novel peptide purified from the fermented microalga Pavlova lutheri attenuates oxidative stress and melanogenesis in B16F10 melanoma cells. Process Biochemistry, 2015, 50, 1318-1326.	3.7	49
17	Protective effects of protein hydrolysate from marine microalgae Navicula incerta on ethanol-induced toxicity in HepG2/CYP2E1 cells. Food Chemistry, 2012, 132, 677-685.	8.2	45
18	Antioxidant Peptide Purified from Enzymatic Hydrolysates of Isochrysis Zhanjiangensis and Its Protective Effect against Ethanol Induced Oxidative Stress of HepG2 Cells. Biotechnology and Bioprocess Engineering, 2019, 24, 308-317.	2.6	42

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19	A Peptide <scp>YGDEY</scp> from Tilapia Gelatin Hydrolysates Inhibits <scp>UVB</scp>â€mediated Skin Photoaging by Regulating <scp>MMP</scp>â€1 and <scp>MMP</scp>â€9 Expression in HaCaT Cells. Photochemistry and Photobiology, 2019, 95, 1424-1432.	2.5	39
20	A heptameric peptide purified from Spirulina sp. gastrointestinal hydrolysate inhibits angiotensin I-converting enzyme- and angiotensin II-induced vascular dysfunction in human endothelial cells. International Journal of Molecular Medicine, 2017, 39, 1072-1082.	4.0	38
21	Statistical optimization of microalgae Pavlova lutheri cultivation conditions and its fermentation conditions by yeast, Candida rugopelliculosa. Bioresource Technology, 2012, 107, 307-313.	9.6	36
22	Tetrameric peptide purified from hydrolysates of biodiesel byproducts of Nannochloropsis oculata induces osteoblastic differentiation through MAPK and Smad pathway on MG-63 and D1 cells. Process Biochemistry, 2013, 48, 1387-1394.	3.7	33
23	Mechanism Analysis of a Novel Angiotensin-I-Converting Enzyme Inhibitory Peptide from Isochrysis zhanjiangensis Microalgae for Suppressing Vascular Injury in Human Umbilical Vein Endothelial Cells. Journal of Agricultural and Food Chemistry, 2020, 68, 4411-4423.	5.2	33
24	Mussel-inspired synthesis of polydopamine-functionalized calcium carbonate as reusable adsorbents for heavy metal ions. RSC Advances, 2014, 4, 47848-47852.	3.6	32
25	Protective Effects of Emodin and Chrysophanol Isolated from Marine FungusAspergillus sp.on Ethanol-Induced Toxicity in HepG2/CYP2E1 Cells. Evidence-based Complementary and Alternative Medicine, 2011, 2011, 1-7.	1.2	31
26	1-(5-bromo-2-hydroxy-4-methoxyphenyl)ethanone [SE1] suppresses pro-inflammatory responses by blocking NF-ÎºB and MAPK signaling pathways in activated microglia. European Journal of Pharmacology, 2011, 670, 608-616.	3.5	29
27	Trehalose against UVB-induced skin photoaging by suppressing MMP expression and enhancing procollagen I synthesis in HaCaT cells. Journal of Functional Foods, 2020, 74, 104198.	3.4	29
28	A peptide isolated from Hippocampus abdominalis improves exercise performance and exerts anti-fatigue effects via AMPK/PGC-1Î± pathway in mice. Journal of Functional Foods, 2019, 61, 103489.	3.4	28
29	Isolation and antioxidant activity evaluation of two new phthalate derivatives from seahorse, Hippocampus Kuda Bleeler. Biotechnology and Bioprocess Engineering, 2012, 17, 1031-1040.	2.6	27
30	Butyrolactone-I from Coral-Derived Fungus Aspergillus terreus Attenuates Neuro-Inflammatory Response via Suppression of NF-ÎºB Pathway in BV-2 Cells. Marine Drugs, 2018, 16, 202.	4.6	27
31	Nanoplastics aggravate the toxicity of arsenic to AGS cells by disrupting ABC transporter and cytoskeleton. Ecotoxicology and Environmental Safety, 2021, 227, 112885.	6.0	27
32	The antioxidant and anti-inflammatory effects of abalone intestine digest, Haliotis discus hannai in RAW 264.7 macrophages. Biotechnology and Bioprocess Engineering, 2012, 17, 475-484.	2.6	25
33	Protective effect of GABA-enriched fermented sea tangle against ethanol-induced cytotoxicity in HepG2 Cells. Biotechnology and Bioprocess Engineering, 2011, 16, 966-970.	2.6	23
34	In Situ Growth of Ultrasmall Nanochannels in Porous Anodized Aluminum Membrane and Applied in Detection of Lead Ion. Analytical Chemistry, 2019, 91, 8184-8191.	6.5	22
35	Preventive Effect of YGDEY from Tilapia Fish Skin
Gelatin Hydrolysates against Alcohol-Induced
Damage in HepG2 Cells through ROS-Mediated
Signaling Pathways. Nutrients, 2019, 11, 392.	4.1	22
36	Boiled Abalone Byproduct Peptide Exhibits Anti-Tumor Activity in HT1080 Cells and HUVECs by Suppressing the Metastasis and Angiogenesis in Vitro. Journal of Agricultural and Food Chemistry, 2019, 67, 8855-8867.	5.2	21

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37	FREE RADICAL-SCAVENGING ACTIVITIES OF LOW MOLECULAR WEIGHT CHITIN OLIGOSACCHARIDES LEAD TO ANTIOXIDANT EFFECT IN LIVE CELLS. Journal of Food Biochemistry, 0, 34, 161-177.	2.9	19
38	A Novel Peptide from Abalone (Haliotis discus hannai) to Suppress Metastasis and Vasculogenic Mimicry of Tumor Cells and Enhance Anti-Tumor Effect In Vitro. Marine Drugs, 2019, 17, 244.	4.6	19
39	In Situ Growth Visualization Nanochannel Membrane for Ultrasensitive Copper Ion Detection under the Electric Field Enrichment. ACS Applied Materials & Interfaces, 2020, 12, 4849-4858.	8.0	19
40	Antiphotoaging effect of boiled abalone residual peptide ATPGDEG on UVB-induced keratinocyte HaCaT cells. Food and Nutrition Research, 2019, 63, .	2.6	18
41	Heptapeptide Isolated from Isochrysis zhanjiangensis Exhibited Anti-Photoaging Potential via MAPK/AP-1/MMP Pathway and Anti-Apoptosis in UVB-Irradiated HaCaT Cells. Marine Drugs, 2021, 19, 626.	4.6	18
42	Anti-allergic effects of a nonameric peptide isolated from the intestine gastrointestinal digests of abalone (Haliotis discus hannai) in activated HMC-1 human mast cells. International Journal of Molecular Medicine, 2016, 37, 243-250.	4.0	16
43	In Vitro Vascular-Protective Effects of a Tilapia By-Product Oligopeptide on Angiotensin II-Induced Hypertensive Endothelial Injury in HUVEC by Nrf2/NF-ÎºB Pathways. Marine Drugs, 2019, 17, 431.	4.6	16
44	A GRAPHENE/ENZYME-BASED ELECTROCHEMICAL SENSOR FOR SENSITIVE DETECTION OF ORGANOPHOSPHORUS PESTICIDES. Surface Review and Letters, 2016, 23, 1550103.	1.1	15
45	Fucoxanthin derivatives from Sargassum siliquastrum inhibit matrix metalloproteinases by suppressing NF-ÎºB and MAPKs in human fibrosarcoma cells. Algae, 2014, 29, 355-366.	2.3	15
46	IN VITRO ANTIOXIDANT ACTIVITIES OF THE FERMENTED MARINE MICROALGA PAVLOVA LUTHERI (HAPTOPHYTA) WITH THE YEAST HANSENULA POLYMORPHA¹. Journal of Phycology, 2012, 48, 475-482.	2.3	13
47	A heptameric peptide isolated from the marine microalga Pavlova lutheri suppresses PMA-induced secretion of matrix metalloproteinase-9 through the inactivation of the JNK, p38, and NF-ÎºB pathways in human fibrosarcoma cells. Journal of Applied Phycology, 2018, 30, 2367-2378.	2.8	12
48	Chemical Composition and Antiâ€Alzheimer's Diseaseâ€Related Activities of a Functional Oil from the Edible Seaweed Hizikia fusiforme. Chemistry and Biodiversity, 2020, 17, e2000055.	2.1	11
49	The Inhibition Effect of the Seaweed Polyphenol, 7-Phloro-Eckol from Ecklonia Cava on Alcohol-Induced Oxidative Stress in HepG2/CYP2E1 Cells. Marine Drugs, 2021, 19, 158.	4.6	11
50	A Review - Biology, Aquaculture and Medical Use of Seahorse, Hippocampus spp. Annual Research & Review in Biology, 2017, 14, 1-12.	0.4	11
51	A novel glyceroglycolipid from brown algae Ishige okamurae improve photoaging and counteract inflammation in UVB-induced HaCaT cells. Chemico-Biological Interactions, 2022, 351, 109737.	4.0	11
52	Microplastics accumulation in mangroves increasing the resistance of its colonization Vibrio and Shewanella. Chemosphere, 2022, 295, 133861.	8.2	11
53	Structural Characterization of Sulfated Polysaccharide Isolated From Red Algae (Gelidium crinale) and Antioxidant and Anti-Inflammatory Effects in Macrophage Cells. Frontiers in Bioengineering and Biotechnology, 2021, 9, 794818.	4.1	10
54	Mechanism Analysis of Antiangiogenic <scp>d</scp>-Isofloridoside from Marine Edible Red algae Laurencia undulata in HUVEC and HT1080 cell. Journal of Agricultural and Food Chemistry, 2021, 69, 13787-13795.	5.2	10

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55	Beneficial Effect of Abalone Intestine Gastro-Intestinal Digests on Osteoblastic MG-63 Cell Differentiation. Journal of Aquatic Food Product Technology, 2014, 23, 436-446.	1.4	9
56	The Protective Effect of the Polysaccharide Precursor, D-Isofloridoside, from Laurencia undulata on Alcohol-Induced Hepatotoxicity in HepG2 Cells. Molecules, 2020, 25, 1024.	3.8	9
57	Inhibition effects of 7-phloro-eckol from Ecklonia cava on metastasis and angiogenesis induced by hypoxia through regulation of AKT/mTOR and ERK signaling pathways. Arabian Journal of Chemistry, 2021, 14, 103187.	4.9	9
58	An ACE inhibitory peptide from Isochrysis zhanjiangensis exhibits antihypertensive effect via anti-inflammation and anti-apoptosis in HUVEC and hypertensive rats. Journal of Functional Foods, 2022, 92, 105061.	3.4	9
59	Cellular properties of the fermented microalgae PavlovaÃ¯Â¿Â½lutheri and its isolated active peptide in osteoblastic differentiation of MGâ€63 cells. Molecular Medicine Reports, 2018, 17, 2044-2050.	2.4	8
60	Potential anti-skin aging effect of a peptide AYAPE isolated from Isochrysis zhanjiangensis on UVB-induced HaCaT cells and H2O2-induced BJ cells. Journal of Photochemistry and Photobiology B: Biology, 2022, 233, 112481.	3.8	8
61	Induction of apoptosis by the tropical seaweed Pylaiella littoralis in HT-29 cells via the mitochondrial and MAPK pathways. Ocean Science Journal, 2013, 48, 339-348.	1.3	7
62	An Intelligent Label for Freshness of Fish Based on a Porous Anodic Aluminum Membrane and Bromocresol Green. ChemistrySelect, 2017, 2, 8779-8784.	1.5	7
63	Antioxidant and Angiotensin I Converting Enzyme Inhibition Effects and Antihypertensive Effect in Spontaneously Hyertensive Rats of Peptide Isolated from Boiled Abalone By-Products, Hallotis discus hannai. Journal of Aquatic Food Product Technology, 2018, 27, 946-960.	1.4	7
64	Viridicatol and viridicatin isolated from a shark-gill-derived fungus Penicilliumpolonicum AP2T1 as MMP-2 and MMP-9 inhibitors in HT1080 cells by MAPKs signaling pathway and docking studies. Medicinal Chemistry Research, 2019, 28, 1039-1048.	2.4	7
65	2â€²-Hydroxy-5â€²-methoxyacetophenone attenuates the inflammatory response in LPS-induced BV-2 and RAW264.7 cells via NF-ÎºB signaling pathway. Journal of Neuroimmunology, 2019, 330, 143-151.	2.3	7
66	Intracellular ethanolâ€mediated oxidation and apoptosis in HepG2/CYP2E1 cells impaired by two active peptides from seahorse (Hippocampus kuda bleeler) protein hydrolysates via the Nrf2/HOâ€1 and akt pathways. Food Science and Nutrition, 2021, 9, 1584-1602.	3.4	7
67	Do polystyrene nanoplastics aggravate the toxicity of single contaminants (okadaic acid)? Using AGS cells as a biological model. Environmental Science: Nano, 2021, 8, 3186-3201.	4.3	7
68	A Phlorotanin, 6,6â€²â€²bieckol from Ecklonia cava, Against Photoaging by Inhibiting MMPâ€1, â€3 and â€9 Expression on UVBâ€induced HaCaT Keratinocytes. Photochemistry and Photobiology, 2022, 98, 1131-1139.	2.5	5
69	A Novel Peptide Isolated from Microalgae Isochrysis zhanjiangensis Exhibits Anti-apoptosis and Anti-inflammation in Ox-LDL Induced HUVEC to Improve Atherosclerosis. Plant Foods for Human Nutrition, 2022, 77, 181-189.	3.2	5
70	Abalone Haliotis discus hannai Intestine Digests with Different Molecule Weights Inhibit MMP-2 and MMP-9 Expression in Human Fibrosarcoma Cells. Fisheries and Aquatic Sciences, 2012, 15, 137-143.	0.8	4
71	Mechanism of two alkaloids isolated from coral endophytic fungus for suppressing angiogenesis in atherosclerotic plaque in HUVEC. International Immunopharmacology, 2022, 109, 108931.	3.8	4
72	Anti-Allergic Effect of Low Molecular Weight Digest from Abalone Viscera on Atopic Dermatitis-Induced NC/Nga. Marine Drugs, 2021, 19, 634.	4.6	3

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73	Pentapeptide AYP from Isochrysis Zhanjiangensis Exhibits Antiangiogenic Activity in HT1080 Cells and HUVECs by Suppressing Migration and Invasion In Vitro. Journal of Agricultural and Food Chemistry, 2022, 70, 8481-8491.	5.2	3
74	Effects of Strontium-Hydroxyapatite Mediated Active Compounds from Hippocampus Kuda Bleeler (HKB) on Osteogenesis. Coatings, 2019, 9, 141.	2.6	2
75	A new benzaldehyde from the coral-derived fungus Aspergillus terreus C23-3 and its anti-inflammatory effects via suppression of MAPK signaling pathway in RAW264.7 cells. Journal of Zhejiang University: Science B, 2022, 23, 230-240.	2.8	2
76	1-(5-Bromo-2-hydroxy-4-methoxyphenyl)ethanone [SE1] Inhibits MMP-9 Expression by Regulating NF-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mtext mathvariant="bold">Î²</mml:mtext></mml:mrow></mml:math>B and MAPKs Signaling Pathways in HT1080 Human Fibrosarcoma Cells. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-9.	1.2	1