Zebo Huang

List of Publications by Year
in descending order

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65 papers	3,360 citations	159585 30 h-index	144013 57 g-index
65 all docs	65 docs citations	65 times ranked	7160 citing authors

#	Article	IF	Citations
1	Trehalose, a Novel mTOR-independent Autophagy Enhancer, Accelerates the Clearance of Mutant Huntingtin and Î±-Synuclein. Journal of Biological Chemistry, 2007, 282, 5641-5652.	3.4	971
2	Structural Characterization of the Released Polysaccharide of Desiccation-Tolerant Nostoc commune DRH-1. Journal of Bacteriology, 2000, 182, 974-982.	2.2	150
3	The vertical microdistribution of cyanobacteria and green algae within desert crusts and the development of the algal crusts. Plant and Soil, 2003, 257, 97-111.	3.7	120
4	Autophagy-related Gene 7 (ATG7) and Reactive Oxygen Species/Extracellular Signal-regulated Kinase Regulate Tetrandrine-induced Autophagy in Human Hepatocellular Carcinoma. Journal of Biological Chemistry, 2012, 287, 35576-35588.	3.4	119
5	Antioxidant and moisture-retention activities of the polysaccharide from Nostoc commune. Carbohydrate Polymers, 2011, 83, 1821-1827.	10.2	112
6	STUDIES ON POLYSACCHARIDES FROM THREE EDIBLE SPECIES OF NOSTOC (CYANOBACTERIA) WITH DIFFERENT COLONY MORPHOLOGIES: COMPARISON OF MONOSACCHARIDE COMPOSITIONS AND VISCOSITIES OF POLYSACCHARIDES FROM FIELD COLONIES AND SUSPENSION CULTURES. Journal of Phycology, 1998, 34, 962-968.	2.3	110
7	Cyanobacteria-/cyanotoxin-contaminations and eutrophication status before Wuxi Drinking Water Crisis in Lake Taihu, China. Journal of Environmental Sciences, 2011, 23, 575-581.	6.1	93
8	Antioxidant and neuroprotective effects of Dictyophora indusiata polysaccharide in Caenorhabditis elegans. Journal of Ethnopharmacology, 2016, 192, 413-422.	4.1	79
9	Heparan 2-O-sulfotransferase, hst-2, is essential for normal cell migration in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1507-1512.	7.1	78
10	Inhibition of polyglutamine-mediated proteotoxicity by Astragalus membranaceus polysaccharide through the DAF-16/FOXO transcription factor in Caenorhabditis elegans. Biochemical Journal, 2012, 441, 417-424.	3.7	78
11	STUDIES OF POLYSACCHARIDES FROM THREE EDIBLE SPECIES OF NOSTOC (CYANOBACTERIA) WITH DIFFERENT COLONY MORPHOLOGIES: STRUCTURAL CHARACTERIZATION AND EFFECT ON THE COMPLEMENT SYSTEM OF POLYSACCHARIDES FROM NOSTOC COMMUNE. Journal of Phycology, 2000, 36, 871-881.	2.3	69
12	Response of human cells to desiccation: comparison with hyperosmotic stress response. Journal of Physiology, 2004, 558, 181-191.	2.9	61
13	Food-Derived Antioxidant Polysaccharides and Their Pharmacological Potential in Neurodegenerative Diseases. Nutrients, 2017, 9, 778.	4.1	58
14	Biological Evaluation of a Novel Doxorubicinâ˜Peptide Conjugate for Targeted Delivery to EGF Receptor-Overexpressing Tumor Cells. Molecular Pharmaceutics, 2011, 8, 375-386.	4.6	49
15	Health benefits of wine: Donâ€™t expect resveratrol too much. Food Chemistry, 2014, 156, 258-263.	8.2	49
16	Salidroside Protects Caenorhabditis elegans Neurons from Polyglutamine-Mediated Toxicity by Reducing Oxidative Stress. Molecules, 2014, 19, 7757-7769.	3.8	48
17	Astragalus Polysaccharide Suppresses 6-Hydroxydopamine-Induced Neurotoxicity in Caenorhabditis elegans. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10.	4.0	48
18	Antioxidant peptides derived from the hydrolyzate of purple sea urchin (Strongylocentrotus nudus) gonad alleviate oxidative stress in Caenorhabditis elegans. Journal of Functional Foods, 2018, 48, 594-604.	3.4	47

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19	Identification of polyphenols from Rosa roxburghii Tratt pomace and evaluation of in vitro and in vivo antioxidant activity. Food Chemistry, 2022, 377, 131922.	8.2	47
20	Pilot-scale isolation of bioactive extracellular polymeric substances from cell-free media of mass microalgal cultures using tangential-flow ultrafiltration. Process Biochemistry, 2011, 46, 1104-1109.	3.7	46
21	Tetrandrine induces G1/S cell cycle arrest through the ROS/Akt pathway in EOMA cells and inhibits angiogenesis in vivo. International Journal of Oncology, 2015, 46, 360-368.	3.3	46
22	Antioxidant and anti-aging effects of a sea cucumber protein hydrolyzate and bioinformatic characterization of its composing peptides. Food and Function, 2020, 11, 5004-5016.	4.6	46
23	Polysaccharides from Angelica sinensis alleviate neuronal cell injury caused by oxidative stress. Neural Regeneration Research, 2014, 9, 260.	3.0	43
24	Macromolecular and small-molecule modulation of intracellular AÎ²42 aggregation and associated toxicity. Biochemical Journal, 2012, 442, 507-515.	3.7	41
25	Physicochemical Characterization and Functional Analysis of the Polysaccharide from the Edible Microalga Nostoc sphaeroides. Molecules, 2018, 23, 508.	3.8	40
26	Tanshinone IIA Inhibits Glutamate-Induced Oxidative Toxicity through Prevention of Mitochondrial Dysfunction and Suppression of MAPK Activation in SH-SY5Y Human Neuroblastoma Cells. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-13.	4.0	38
27	Bioactive Peptides fromAngelica sinensisProtein Hydrolyzate Delay Senescence inCaenorhabditis elegansthrough Antioxidant Activities. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10.	4.0	35
28	EpimediumPolysaccharide Alleviates Polyglutamine-Induced Neurotoxicity inCaenorhabditis elegansby Reducing Oxidative Stress. Rejuvenation Research, 2017, 20, 32-41.	1.8	34
29	Novel Bioactive Peptides from Meretrix meretrix Protect Caenorhabditis elegans against Free Radical-Induced Oxidative Stress through the Stress Response Factor DAF-16/FOXO. Marine Drugs, 2018, 16, 444.	4.6	33
30	The neuroprotective and lifespan-extension activities of Damnacanthus officinarum extracts in Caenorhabditis elegans. Journal of Ethnopharmacology, 2012, 141, 41-47.	4.1	31
31	Rosmarinic Acid Ameliorates H₂O₂-Induced Oxidative Stress in L02 Cells Through MAPK and Nrf2 Pathways. Rejuvenation Research, 2019, 22, 289-298.	1.8	31
32	Transcriptomic screening for cyclotides and other cysteine-rich proteins in the metallophyte Viola baoshanensis. Journal of Plant Physiology, 2015, 178, 17-26.	3.5	30
33	Extracts of Tsai Tai (Brassica chinensis): enhanced antioxidant activity and anti-aging effects both in vitro and in Caenorhabditis elegans. Food and Function, 2016, 7, 943-952.	4.6	30
34	Targeted delivery of doxorubicin through conjugation with <scp>EGF</scp> receptorâ€“binding peptide overcomes drug resistance in human colon cancer cells. British Journal of Pharmacology, 2013, 168, 1719-1735.	5.4	28
35	Raman Spectroscopic Analysis of a Desert Cyanobacterium Nostoc sp. in Response to UVB Radiation. Astrobiology, 2010, 10, 783-788.	3.0	27
36	Caenorhabditis elegans in Chinese Medicinal Studies: Making the Case for Aging and Neurodegeneration. Rejuvenation Research, 2014, 17, 205-208.	1.8	26

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37	The phylogenetic analysis of Dalbergia (Fabaceae: Papilionaceae) based on different DNA barcodes. Holzforschung, 2017, 71, 939-949.	1.9	26
38	Heparan sulphate sulphotransferase expression in mice and Caenorhabditis elegans. Biochemical Society Transactions, 2003, 31, 343-348.	3.4	24
39	Gene induction by desiccation stress in human cell cultures. FEBS Letters, 2005, 579, 4973-4977.	2.8	23
40	Inhibition of Abeta Proteotoxicity by Paeoniflorin in Caenorhabditis elegans Through Regulation of Oxidative and Heat Shock Stress Responses. Rejuvenation Research, 2018, 21, 304-312.	1.8	22
41	The use of the 2-aminobenzoic acid tag for oligosaccharide gel electrophoresis. Carbohydrate Research, 2000, 328, 77-83.	2.3	21
42	Reproductive and Locomotory Capacities of Caenorhabditis elegans Were Not Affected by Simulated Variable Gravities and Spaceflight During the Shenzhou-8 Mission. Astrobiology, 2013, 13, 617-625.	3.0	21
43	Polysaccharides from Medicinal Herbs As Potential Therapeutics for Aging and Age-Related Neurodegeneration. Rejuvenation Research, 2014, 17, 201-204.	1.8	20
44	Ethanolic extract and water-soluble polysaccharide from Chaenomeles speciosa fruit modulate lipopolysaccharide-induced nitric oxide production in RAW264.7 macrophage cells. Journal of Ethnopharmacology, 2012, 144, 441-447.	4.1	19
45	Enzymatic preparation of Crassostrea oyster peptides and their promoting effect on male hormone production. Journal of Ethnopharmacology, 2021, 264, 113382.	4.1	19
46	Two Blast-independent tools, CyPerl and CyExcel, for harvesting hundreds of novel cyclotides and analogues from plant genomes and protein databases. Planta, 2015, 241, 929-940.	3.2	18
47	Sea Cucumber-Derived Peptides Alleviate Oxidative Stress in Neuroblastoma Cells and Improve Survival in C. elegans Exposed to Neurotoxic Paraquat. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-14.	4.0	17
48	Cryptobiosis, Aging, and Cancer: Yin-Yang Balancing of Signaling Networks. Rejuvenation Research, 2006, 9, 292-296.	1.8	14
49	Desiccation Response of Mammalian Cells: Anhydrosignaling. Methods in Enzymology, 2007, 428, 269-277.	1.0	14
50	Purification and Identification of Anti-Oxidant Soybean Peptides by Consecutive Chromatography and Electrospray Ionization-Mass Spectrometry. Rejuvenation Research, 2014, 17, 209-211.	1.8	13
51	Mouse toxicity of Anabaena flosâ€aquae from Lake Dianchi, China. Environmental Toxicology, 2009, 24, 10-18.	4.0	11
52	Modeling anhydrobiosis: activation of the mitogenâ€activated protein kinase ERK by dehydration in both human cells and nematodes. Journal of Experimental Zoology, 2010, 313A, 660-670.	1.2	11
53	Preclinical Evaluation of an Epidermal Growth Factor Receptorâ€“Targeted Doxorubicinâ€“Peptide Conjugate: Toxicity, Biodistribution, and Efficacy in Mice. Journal of Pharmaceutical Sciences, 2016, 105, 639-649.	3.3	10
54	Physicochemical and geroprotective comparison of Nostoc sphaeroides polysaccharides across colony growth stages and with derived oligosaccharides. Journal of Applied Phycology, 2021, 33, 939-952.	2.8	9

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55	Polyproline II structure is critical for the enzyme protective function of soybean Em (LEA1) conserved domains. Biotechnology Letters, 2011, 33, 1667-1673.	2.2	8
56	Feeding recombinant E. coli with GST-mBmKTX fusion protein increases the fecundity and lifespan of Caenorhabditis elegans. Peptides, 2017, 89, 1-8.	2.4	8
57	Omics Insights into Metabolic Stress and Resilience of Rats in Response to Shortâ€term Fructose Overfeeding. Molecular Nutrition and Food Research, 2019, 63, e1900773.	3.3	8
58	Antioxidant and antiaging effect of traditional Thai rejuvenation medicines in Caenorhabditis elegans. Journal of Integrative Medicine, 2021, 19, 362-373.	3.1	7
59	rBmÎ±TX14 Increases the Life Span and Promotes the Locomotion of Caenorhabditis Elegans. PLoS ONE, 2016, 11, e0161847.	2.5	5
60	The Traditional Formula Kai-Xin-San Alleviates Polyglutamine-Mediated Neurotoxicity by Modulating Proteostasis Network in Caenorhabditis elegans. Rejuvenation Research, 2020, 23, 207-216.	1.8	5
61	Caenorhabditis elegans as a Model System for Discovering Bioactive Compounds Against Polyglutamine-Mediated Neurotoxicity. Journal of Visualized Experiments, 2021, , .	0.3	5
62	Characterization of the transcriptional activation domains of human TEF3-1 (transcription enhancer) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.0	4
63	Overview of Beverages with Anti-Aging Functions in Chinese Market. Rejuvenation Research, 2014, 17, 197-200.	1.8	3
64	Ophiopogon japonicus herbal tea ameliorates oxidative stress and extends lifespan in caenorhabditis elegans. Pharmacognosy Magazine, 2018, 14, 617.	0.6	2
65	Modulation of Redox and Aging-Related Signaling Pathways and Biomarkers by Naturally Derived Peptides. Healthy Ageing and Longevity, 2022, , 229-254.	0.2	2