

# Hui Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

2,342  
citations

279701

23  
h-index

223716

46  
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63  
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63  
docs citations

63  
times ranked

2039  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on Fruit and Vegetable Fermented Beverage-Benefits of Microbes and Beneficial Effects. Food Reviews International, 2023, 39, 4835-4872.	4.3	12
2	Ligand based 3D-QSAR model, pharmacophore, molecular docking and ADME to identify potential fibroblast growth factor receptor 1 inhibitors. Journal of Biomolecular Structure and Dynamics, 2022, 40, 7584-7597.	2.0	5
3	Metal Tolerance Protein Encoding Gene Family in Fagopyrum tartaricum: Genome-Wide Identification, Characterization and Expression under Multiple Metal Stresses. Plants, 2022, 11, 850.	1.6	3
4	<i>Conyza blinii</i> responds to the changes of exogenous iron through auxin-terpenoids metabolism pathway. Journal of Plant Interactions, 2022, 17, 485-495.	1.0	4
5	Cloning, identification, and functional analysis of chalcone isomerase gene and its promoter from Tartary buckwheat. Acta Physiologiae Plantarum, 2022, 44, .	1.0	2
6	Enhanced antioxidant capacity and upregulated transporter genes contribute to the UV-B-induced increase in blinin in <i>Conyza blinii</i> . Environmental Science and Pollution Research, 2021, 28, 13275-13287.	2.7	12
7	Tartary Buckwheat ( <i>Fagopyrum tataricum</i> ) NAC Transcription Factors FtNAC16 Negatively Regulates of Pod Cracking and Salinity Tolerant in Arabidopsis. International Journal of Molecular Sciences, 2021, 22, 3197.	1.8	11
8	Molecular Evolution and Local Root Heterogeneous Expression of the <i>Chenopodium quinoa</i> ARF Genes Provide Insights into the Adaptive Domestication of Crops in Complex Environments. Journal of Molecular Evolution, 2021, 89, 287-301.	0.8	6
9	Genome-Wide Investigation of Major Enzyme-Encoding Genes in the Flavonoid Metabolic Pathway in Tartary Buckwheat ( <i>Fagopyrum tataricum</i> ). Journal of Molecular Evolution, 2021, 89, 269-286.	0.8	11
10	Optimal extraction, purification and antioxidant activity of total flavonoids from endophytic fungi of <i>Conyza blinii</i> H. L. & V. PeerJ, 2021, 9, e11223.	0.9	9
11	Evolutionary research on the expansin protein family during the plant transition to land provides new insights into the development of Tartary buckwheat fruit. BMC Genomics, 2021, 22, 252.	1.2	8
12	Hemin-induced increase in saponin content contributes to the alleviation of osmotic and cold stress damage to <i>Conyza blinii</i> in a heme oxygenase 1-dependent manner. Journal of Zhejiang University: Science B, 2021, 22, 682-694.	1.3	6
13	Evaluation of a strawberry fermented beverage with potential health benefits. PeerJ, 2021, 9, e11974.	0.9	9
14	Fe induces a dynamic and biased allocation of material flux within terpenoid metabolism controlled by CbNudix in <i>Conyza blinii</i> . Plant and Soil, 2021, 467, 421-436.	1.8	4
15	Interspecies Evolution and Networks Investigation of the Auxin Response Protein (AUX/IAA) Family Reveals the Adaptation Mechanisms of Halophytes Crops in Nitrogen Starvation Agroecological Environments. Agriculture (Switzerland), 2021, 11, 780.	1.4	5
16	Involvement of several putative transporters of different families in $\hat{1}^2$ -cyclocitral-induced alleviation of cadmium toxicity in quinoa ( <i>Chenopodium quinoa</i> ) seedlings. Journal of Hazardous Materials, 2021, 419, 126474.	6.5	4
17	Construction of <i>Aspergillus Oryzae</i> food-grade expression system based on auxotrophic markers. Food Biotechnology, 2021, 35, 310-326.	0.6	0
18	Tartary buckwheat database (TBD): an integrative platform for gene analysis of and biological information on Tartary buckwheat. Journal of Zhejiang University: Science B, 2021, 22, 954-958.	1.3	5

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19	Diversity, Chemical Constituents, and Biological Activities of Endophytic Fungi Isolated From <i>Ligusticum chuanxiong</i> Hort. <i>Frontiers in Microbiology</i> , 2021, 12, 771000.	1.5	17
20	Basic helix-loop-helix (bHLH) gene family in Tartary buckwheat ( <i>Fagopyrum tataricum</i> ): Genome-wide identification, phylogeny, evolutionary expansion and expression analyses. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 1478-1490.	3.6	41
21	A WRKY transcription factor, FtWRKY46, from Tartary buckwheat improves salt tolerance in transgenic <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 147, 43-53.	2.8	36
22	Ferrous iron-induced increases in capitate glandular trichome density and upregulation of CbHO-1 contributes to increases in blinin content in <i>Conyza blinii</i> . <i>Planta</i> , 2020, 252, 81.	1.6	9
23	Genome-wide investigation of WRKY transcription factors in Tartary buckwheat ( <i>Fagopyrum tataricum</i> ). <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 10784-10794.	0.9	15
24	Isolation and identification of flavonoid-producing endophytic fungi from medicinal plant <i>Conyza blinii</i> H. Lévesque that exhibit higher antioxidant and antibacterial activities. <i>PeerJ</i> , 2020, 8, e8978.	0.9	31
25	Purification, characterization and antioxidant activities in vitro of polysaccharides from <i>Amaranthus hybridus</i> L.. <i>PeerJ</i> , 2020, 8, e9077.	0.9	17
26	Genome-wide identification, expression analysis and functional study of the GRAS gene family in Tartary buckwheat ( <i>Fagopyrum tataricum</i> ). <i>BMC Plant Biology</i> , 2019, 19, 342.	1.6	72
27	Genome-wide identification and expression analysis of the trihelix transcription factor family in tartary buckwheat ( <i>Fagopyrum tataricum</i> ). <i>BMC Plant Biology</i> , 2019, 19, 344.	1.6	26
28	Genome-wide identification of the SPL gene family in Tartary Buckwheat ( <i>Fagopyrum tataricum</i> ) and expression analysis during fruit development stages. <i>BMC Plant Biology</i> , 2019, 19, 299.	1.6	35
29	Tartary buckwheat transcription factor FtbZIP83 improves the drought/salt tolerance of <i>Arabidopsis</i> via an ABA-mediated pathway. <i>Plant Physiology and Biochemistry</i> , 2019, 144, 312-323.	2.8	28
30	Genome-wide investigation of the heat shock transcription factor (Hsf) gene family in Tartary buckwheat ( <i>Fagopyrum tataricum</i> ). <i>BMC Genomics</i> , 2019, 20, 871.	1.2	24
31	<i>Coix lacryma-jobi</i> chymotrypsin inhibitor displays antifungal activity. <i>Pesticide Biochemistry and Physiology</i> , 2019, 160, 49-57.	1.6	7
32	MYB Gene Family in Potato ( <i>Solanum tuberosum</i> L.): Genome-Wide Identification of Hormone-Responsive Reveals Their Potential Functions in Growth and Development. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4847.	1.8	74
33	Genome-wide identification, phylogeny, evolutionary expansion and expression analyses of bZIP transcription factor family in tartary buckwheat. <i>BMC Genomics</i> , 2019, 20, 483.	1.2	32
34	Genome-wide investigation of the ZF-HD gene family in Tartary buckwheat ( <i>Fagopyrum tataricum</i> ). <i>BMC Plant Biology</i> , 2019, 19, 248.	1.6	25
35	Genome-wide investigation of the AP2/ERF gene family in tartary buckwheat ( <i>Fagopyrum tataricum</i> ). <i>BMC Plant Biology</i> , 2019, 19, 84.	1.6	91
36	Genome-wide analysis of the NAC transcription factor family in Tartary buckwheat ( <i>Fagopyrum tataricum</i> ). <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 10784-10794.	1.2	90

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37	Genome-wide investigation of the MADS gene family and dehulling genes in tartary buckwheat ( <i>Fagopyrum tataricum</i> ). <i>Planta</i> , 2019, 249, 1301-1318.	1.6	34
38	Validation of reference genes for gene expression studies in tartary buckwheat ( <i>Fagopyrum tataricum</i> ). <i>Journal of Plant Physiology</i> , 2019, 180, 10-18.	0.9	18
39	Extraction of polysaccharides from <i>Amaranthus hybridus</i> L. by hot water and analysis of their antioxidant activity. <i>PeerJ</i> , 2019, 7, e7149.	0.9	22
40	Research on homology modeling, molecular docking of the cellulase and highly expression of the key enzyme (Bgl) in <i>Pichia pastoris</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 115, 1079-1087.	3.6	5
41	Improved thermostability and enzyme activity of a recombinant phyA mutant phytase from <i>Aspergillus niger</i> N25 by directed evolution and site-directed mutagenesis. <i>Enzyme and Microbial Technology</i> , 2018, 108, 74-81.	1.6	29
42	Genome-Wide Investigation of the Auxin Response Factor Gene Family in Tartary Buckwheat ( <i>Fagopyrum tataricum</i> ). <i>International Journal of Molecular Sciences</i> , 2018, 19, 3526.	1.8	60
43	The jasmonate-responsive transcription factor CbWRKY24 regulates terpenoid biosynthetic genes to promote saponin biosynthesis in <i>Conyza blinii</i> H. L��v.. <i>Journal of Genetics</i> , 2018, 97, 1379-1388.	0.4	25
44	The Potential Role of Auxin and Abscisic Acid Balance and FtARF2 in the Final Size Determination of Tartary Buckwheat Fruit. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2755.	1.8	22
45	Insights into the correlation between Physiological changes in and seed development of tartary buckwheat ( <i>Fagopyrum tataricum</i> Gaertn.). <i>BMC Genomics</i> , 2018, 19, 648.	1.2	62
46	A R2R3-MYB transcription factor gene, FtMYB13, from Tartary buckwheat improves salt/drought tolerance in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 132, 238-248.	2.8	47
47	The jasmonate-responsive transcription factor regulates terpenoid biosynthetic genes to promote saponin biosynthesis in <i>H. L��v.</i> <i>Journal of Genetics</i> , 2018, 97, 1379-1388.	0.4	9
48	Overexpression of a tartary buckwheat R2R3-MYB transcription factor gene, FtMYB9, enhances tolerance to drought and salt stresses in transgenic <i>Arabidopsis</i> . <i>Journal of Plant Physiology</i> , 2017, 214, 81-90.	1.6	68
49	��myrin synthase from <i>Conyza blinii</i> expressed in <i>Saccharomyces cerevisiae</i> . <i>FEBS Open Bio</i> , 2017, 7, 1575-1585.	1.0	10
50	Purification and properties of the chymotrypsin inhibitor from wild emmer wheat ( <i>Triticum turgidum</i> ). <i>Biochemistry and Physiology</i> , 2017, 142, 141-147.	1.6	6
51	Overexpression of a Tartary Buckwheat Gene, FtHLH3, Enhances Drought/Oxidative Stress Tolerance in Transgenic <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 625.	1.7	60
52	Identification, isolation and expression analysis of eight stress-related R2R3-MYB genes in tartary buckwheat ( <i>Fagopyrum tataricum</i> ). <i>Plant Cell Reports</i> , 2016, 35, 1385-1396.	2.8	37
53	Tartary buckwheat FtMYB10 encodes an R2R3-MYB transcription factor that acts as a novel negative regulator of salt and drought response in transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2016, 109, 387-396.	2.8	41
54	Anthocyanins accumulate in tartary buckwheat ( <i>Fagopyrum tataricum</i> ) sprout in response to cold stress. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	36

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55	Characterization of two tartary buckwheat MYB transcription factors and their regulation of proanthocyanidin biosynthesis. <i>Physiologia Plantarum</i> , 2014, 152, 431-440.	2.6	56
56	Cloning and expression analysis of 1-deoxy-D-xylulose-5-phosphate synthase gene from the medicinal plant <i>Conyza blinii</i> H.L. Turkish Journal of Biology, 2014, 38, 664-670.	2.1	6
57	Site-Directed Mutagenesis Improves the Thermostability and Catalytic Efficiency of <i>Aspergillus niger</i> N25 Phytase Mutated by I44E and T252R. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 900-915.	1.4	20
58	The genome of the pear ( <i>Pyrus bretschneideri</i> Rehd.). <i>Genome Research</i> , 2013, 23, 396-408.	2.4	832
59	Improving Phytase Enzyme Activity in a Recombinant phyA Mutant Phytase from <i>Aspergillus niger</i> N25 by Error-Prone PCR. <i>Applied Biochemistry and Biotechnology</i> , 2012, 166, 549-562.	1.4	22
60	Karyotype and genetic relationship based on RAPD markers of six wild buckwheat species ( <i>Fagopyrum</i> )	0.8	14
61	Expression, purification and characterization of a phyA m-phyCs fusion phytase. <i>Journal of Zhejiang University: Science B</i> , 2008, 9, 536-545.	1.3	13