

# Bai-Hong Chen

## List of Publications by Year in descending order

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46  
papers

617  
citations

567281

15  
h-index

713466

21  
g-index

46  
all docs

46  
docs citations

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times ranked

630  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anthocyanin accumulation correlates with hormones in the fruit skin of "Red Delicious"™ and its four generation bud sport mutants. <i>BMC Plant Biology</i> , 2018, 18, 363.	3.6	55
2	Whole-genome DNA methylation patterns and complex associations with gene expression associated with anthocyanin biosynthesis in apple fruit skin. <i>Planta</i> , 2019, 250, 1833-1847.	3.2	53
3	Genome-Wide Identification and Expression Analysis of GA2ox, GA3ox, and GA20ox Are Related to Gibberellin Oxidase Genes in Grape ( <i>Vitis Vinifera</i> L.). <i>Genes</i> , 2019, 10, 680.	2.4	44
4	Synthesis of light-inducible and light-independent anthocyanins regulated by specific genes in grape "Marselan"™ ( <i>V. vinifera</i> L.). <i>PeerJ</i> , 2019, 7, e6521.	2.0	31
5	Transcriptome and Metabolite Conjoint Analysis Reveals that Exogenous Methyl Jasmonate Regulates Monoterpene Synthesis in Grape Berry Skin. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 5270-5281.	5.2	29
6	Elevated CO2 concentration promotes photosynthesis of grape ( <i>Vitis vinifera</i> L. cv. "Pinot noir"™) plantlet in vitro by regulating RbcS and Rca revealed by proteomic and transcriptomic profiles. <i>BMC Plant Biology</i> , 2019, 19, 42.	3.6	28
7	RNA Sequencing Reveals that Endoplasmic Reticulum Stress and Disruption of Membrane Integrity Underlie Dimethyl Trisulfide Toxicity against <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> Tropical Race 4. <i>Frontiers in Microbiology</i> , 2017, 8, 1365.	3.5	25
8	Genome-wide identification and characterization of the <i>BES1</i> gene family in apple ( <i>Malus</i> ). <i>Trends in Plant Science</i> , 2019, 24, 100-108.	3.8	24
9	Genome-wide annotation and expression responses to biotic stresses of the WALL-ASSOCIATED KINASE - RECEPTOR-LIKE KINASE (WAK-RLK) gene family in Apple ( <i>Malus domestica</i> ). <i>European Journal of Plant Pathology</i> , 2019, 153, 771-785.	1.7	20
10	Genome-Wide Analysis of the Apple ( <i>Malus domestica</i> ) Cysteine-Rich Receptor-Like Kinase (CRK) Family: Annotation, Genomic Organization, and Expression Profiles in Response to Fungal Infection. <i>Plant Molecular Biology Reporter</i> , 2020, 38, 14-24.	1.8	20
11	Identification and expression analysis of the small auxin-up RNA (SAUR) gene family in apple by inducing of auxin. <i>Gene</i> , 2020, 750, 144725.	2.2	20
12	The Changes in Color, Soluble Sugars, Organic Acids, Anthocyanins and Aroma Components in "Starkrimson" during the Ripening Period in China. <i>Molecules</i> , 2016, 21, 812.	3.8	18
13	Transcriptome analysis revealed glucose application affects plant hormone signal transduction pathway in "Red Globe" grape plantlets. <i>Plant Growth Regulation</i> , 2018, 84, 45-56.	3.4	18
14	Genome-Wide Identification and Expression Analysis of the CrRLK1L Gene Family in Apple ( <i>Malus</i> ). <i>Trends in Plant Science</i> , 2019, 24, 100-108.	1.8	18
15	Recent trends and comprehensive appraisal for the biotechnological production of trans-resveratrol and its derivatives. <i>Phytochemistry Reviews</i> , 2018, 17, 491-508.	6.5	17
16	Different exogenous sugars affect the hormone signal pathway and sugar metabolism in "Red Globe" ( <i>Vitis vinifera</i> L.) plantlets grown in vitro as shown by transcriptomic analysis. <i>Planta</i> , 2017, 246, 537-552.	3.2	15
17	Significant and unique changes in phosphorylation levels of four phosphoproteins in two apple rootstock genotypes under drought stress. <i>Molecular Genetics and Genomics</i> , 2017, 292, 1307-1322.	2.1	13
18	Effects of short-term heat stress on PSII and subsequent recovery for senescent leaves of <i>Vitis vinifera</i> L. cv. Red Globe. <i>Journal of Integrative Agriculture</i> , 2018, 17, 2683-2693.	3.5	13

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19	Genome-wide identification of BAM genes in grapevine ( <i>Vitis vinifera</i> L.) and ectopic expression of VvBAM1 modulating soluble sugar levels to improve low-temperature tolerance in tomato. <i>BMC Plant Biology</i> , 2021, 21, 156.	3.6	13
20	Effects of paclobutrazol on the physiological characteristics of <i>Malus halliana</i> Koehne Seedlings under drought stress via principal component analysis and membership function analysis. <i>Arid Land Research and Management</i> , 2019, 33, 97-113.	1.6	11
21	Genome-wide characterization and expression analyses of the auxin/indole-3-acetic acid (Aux/IAA) gene family in apple ( <i>Malus domestica</i> ). <i>Gene</i> , 2021, 768, 145302.	2.2	11
22	Cyclic nucleotide gated channel genes (CNGCs) in Rosaceae: genome-wide annotation, evolution and the roles on Valsa canker resistance. <i>Plant Cell Reports</i> , 2021, 40, 2369-2382.	5.6	10
23	Temperature-phase transcriptomics reveals that hormones and sugars in the phloem of grape participate in tolerance during cold acclimation. <i>Plant Cell Reports</i> , 2022, 41, 1357-1373.	5.6	10
24	Effects of exogenous growth regulators and bud picking on grafting of grapevine hard branches. <i>Scientia Horticulturae</i> , 2020, 264, 109186.	3.6	9
25	Effects of Shading on the Synthesis of Volatile Organic Compounds in 'Marselan'™ Grape Berries ( <i>Vitis</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock	3.1	9
26	A Novel Identification Method for Apple ( <i>Malus domestica</i> Borkh.) Cultivars Based on a Deep Convolutional Neural Network with Leaf Image Input. <i>Symmetry</i> , 2020, 12, 217.	2.2	9
27	VaAPL1 Promotes Starch Synthesis to Constantly Contribute to Soluble Sugar Accumulation, Improving Low Temperature Tolerance in Arabidopsis and Tomato. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	8
28	Physical-Chemical Composition and Quality Related Changes in 'Ruaner' Pear ( <i>Pyrus ussuriensis</i> ) During Freezing-Thawing Period. <i>Molecules</i> , 2019, 24, 2611.	3.8	7
29	The mechanism of color fading in sunburned apple peel. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	2.1	7
30	Branch age and angle as crucial drivers of leaf photosynthetic performance and fruiting in high-density planting: A study case in spur-type apple 'Vallee Spur' ( <i>Malus domestica</i> ). <i>Scientia Horticulturae</i> , 2019, 246, 898-906.	3.6	7
31	MYB_SH[AL]QKY[RF] transcription factors <i>MdLUX</i> and <i>MdPCL-like</i> promote anthocyanin accumulation through DNA hypomethylation and <i>MdF3H</i> activation in apple. <i>Tree Physiology</i> , 2021, 41, 836-848.	3.1	7
32	RNA sequencing analysis provides new insights into dynamic molecular responses to <i>Valsa mali</i> pathogenicity in apple 'Changfu No. 2'™. <i>Tree Genetics and Genomes</i> , 2018, 14, 1.	1.6	6
33	Genome-wide identification and expression analysis of the EXO70 gene family in grape ( <i>Vitis</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	6
34	Effects of CEPA and 1-MCP on Flower Bud Differentiation of Apple cv. 'Nagafu No.2'™ Grafted on Different Rootstocks. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 842-854.	5.1	5
35	Insight into VvGH3 genes evolutionary relationship from monocotyledons and dicotyledons reveals that VvGH3-9 negatively regulates the drought tolerance in transgenic Arabidopsis. <i>Plant Physiology and Biochemistry</i> , 2022, 172, 70-86.	5.8	4
36	Exogenous ABA and its inhibitor regulate flower bud induction of apple cv. 'Nagafu No. 2'™ grafted on different rootstocks. <i>Trees - Structure and Function</i> , 2021, 35, 609-620.	1.9	3

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37	Thin layer drying kinetics and quality dynamics of persimmon ( <i>Diospyros kaki</i> ) treated with preservatives and solar dried under different temperatures. <i>PLoS ONE</i> , 2022, 17, e0265111.	2.5	3
38	Genome-wide Identification and Characterization of the Strawberry ( <i>Fragaria Vesca</i> ) FvAP2/ERF Gene Family in Abiotic Stress. <i>Plant Molecular Biology Reporter</i> , 2022, 40, 646-660.	1.8	3
39	Petiole hormones act as regulators in the early phototropic leaf movements of grape ( <i>Vitis vinifera</i> L.) revealed by comparative transcriptome profiling. <i>Scientia Horticulturae</i> , 2021, 283, 110049.	3.6	2
40	Effects of CO <sub>2</sub> on transplantation of grape plantlets cultured in vitro by promoting photosynthesis. <i>Scientia Horticulturae</i> , 2021, 287, 110286.	3.6	2
41	Transcriptomic Analysis Revealed Hormone-Related and Receptor-Like Kinase Genes Involved in Wound Healing of "Duli"™ and its Resistance to <i>Valsa Pyri</i> . <i>Plant Molecular Biology Reporter</i> , 0, , 1.	1.8	1
42	Genome-wide annotation and expression responses to biotic stresses of the WALL-ASSOCIATED KINASE - RECEPTOR-LIKE KINASE (WAK-RLK) gene family in Apple ( <i>Malus domestica</i> ). , 2019, 153, 771.		1
43	Exogenous carbon promotes plantlet growth by inducing ethylene signaling in grapevine. <i>Scientia Horticulturae</i> , 2022, 293, 110659.	3.6	1
44	Molecular cloning, bioinformatics analysis, and transient expression of MdAux/IAA28 in apple ( <i>Malus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.8	1
45	Multivariate Statistical Analyses and Predictive Model of Cold Resistance Associated with Eleven Crabapples and Fuji Apple. <i>Cryo-Letters</i> , 2018, 39, 235-244.	0.3	0
46	Transcriptome Profile in a Susceptible Pear "Zaosu"™ ( <i>Pyrus bretschneideri</i> Rehd.)"Valsa pyri Interaction. <i>Journal of Plant Growth Regulation</i> , 0, , 1.	5.1	0