Zheng-Yang Zhao

List of Publications by Year
in descending order

37 papers	1,177 citations	361413 20 h-index	414414 32 g-index
42 all docs	42 docs citations	42 times ranked	1084 citing authors

#	Article	IF	Citations
1	Effects of drought stress on photosynthesis and photosynthetic electron transport chain in young apple tree leaves. Biology Open, 2018, 7, .	1.2	173
2	The diversity of microbial community and function varied in response to different agricultural residues composting. Science of the Total Environment, 2020, 715, 136983.	8.0	86
3	Fruit Coloration and Anthocyanin Biosynthesis after Bag Removal in Non-Red and Red Apples (Malus Ã— Tj ETQq1 1 0.784314 rgBT /Ov	3.8	81
4	Mulching practices alter the bacterial-fungal community and network in favor of soil quality in a semiarid orchard system. Science of the Total Environment, 2020, 725, 138527.	8.0	70
5	Identification of MicroRNAs and Their Targets Associated with Fruit-Bagging and Subsequent Sunlight Re-exposure in the â€œGranny Smithâ€•Apple Exocarp Using High-Throughput Sequencing. Frontiers in Plant Science, 2016, 7, 27.	3.6	56
6	Effects of soil water stress on fruit yield, quality and their relationship with sugar metabolism in â€˜Galaâ€™ apple. Scientia Horticulturae, 2019, 258, 108753.	3.6	55
7	Analysis of Î²-Galactosidase During Fruit Development and Ripening in Two Different Texture Types of Apple Cultivars. Frontiers in Plant Science, 2018, 9, 539.	3.6	43
8	Transcriptome Analysis of Apple Leaves in Response to Powdery Mildew (Podosphaera leucotricha) Infection. International Journal of Molecular Sciences, 2019, 20, 2326.	4.1	41
9	Effects of fruit bagging on anthocyanins, sugars, organic acids, and color properties of â€˜Granny Smithâ€™ and â€˜Golden Deliciousâ€™ during fruit maturation. European Food Research and Technology, 2013, 236, 329-339.	3.3	40
10	The effect of promoter methylation on MdMYB1 expression determines the level of anthocyanin accumulation in skins of two non-red apple cultivars. BMC Plant Biology, 2018, 18, 108.	3.6	40
11	Expression Profiling of Several Gene Families Involved in Anthocyanin Biosynthesis in Apple (Malus) Tj ETQq1 1 0.784314 rgBT /Overlock 449-464.	5.1	36
12	Mulching practices alter soil microbial functional diversity and benefit to soil quality in orchards on the Loess Plateau. Journal of Environmental Management, 2020, 271, 110985.	7.8	34
13	Transcriptome and metabolite profiling analyses provide insight into volatile compounds of the apple cultivar â€˜Ruixueâ€™ and its parents during fruit development. BMC Plant Biology, 2021, 21, 231.	3.6	33
14	The effect of fruit bagging on the color, phenolic compounds and expression of the anthocyanin biosynthetic and regulatory genes on the â€˜Granny Smithâ€™ apples. European Food Research and Technology, 2013, 237, 875-885.	3.3	29
15	Identification, Comparison and Classification of Volatile Compounds in Peels of 40 Apple Cultivars by HSâ€“SPME with GCâ€“MS. Foods, 2021, 10, 1051.	4.3	29
16	Transcriptome profiling of anthocyanin biosynthesis in the peel of â€˜Granny Smithâ€™ apples (Malus) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.8	28
17	The MdBBX22â€“miR858â€“MdMYB9/11/12 module regulates proanthocyanidin biosynthesis in apple peel. Plant Biotechnology Journal, 2022, 20, 1683-1700.	8.3	28
18	Pathogen-induced MdWRKY1 in â€˜Qinguanâ€™ Apple Enhances Disease Resistance. Journal of Plant Biology, 2011, 54, 150-158.	2.1	24

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19	Effect of environmental factors on skin pigmentation and taste in three apple cultivars. Acta Physiologiae Plantarum, 2020, 42, 1.	2.1	24
20	Evaluation of Physiological Characteristics, Soluble Sugars, Organic Acids and Volatile Compounds in â€˜Orinâ€™ Apples (Malus domestica) at Different Ripening Stages. Molecules, 2021, 26, 807.	3.8	23
21	mdm-miR828 Participates in the Feedback Loop to Regulate Anthocyanin Accumulation in Apple Peel. Frontiers in Plant Science, 2020, 11, 608109.	3.6	22
22	Potassium fertilization arrests malate accumulation and alters soluble sugar metabolism in apple fruit. Biology Open, 2018, 7, .	1.2	19
23	Transcriptome Profiling Reveals Transcriptional Regulation by DNA Methyltransferase Inhibitor 5-Aza-2â€²-Deoxycytidine Enhancing Red Pigmentation in Bagged â€œGranny Smithâ€•Apples (Malus domestica). International Journal of Molecular Sciences, 2018, 19, 3133.	4.1	19
24	Anthocyanin accumulation and related gene family expression in the skin of dark-grown red and non-red apples (Malus domestica Borkh.) in response to sunlight. Scientia Horticulturae, 2015, 189, 66-73.	3.6	18
25	Trehalose 6-phosphate signal is closely related to sorbitol in apple fruit (Malus domestica) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	17
26	Metabolomic insights into the browning of the peel of bagging â€˜Rui Xueâ€™ apple fruit. BMC Plant Biology, 2021, 21, 209.	3.6	16
27	Evaluation of the volatile profiles in pulp of 85 apple cultivars (Malus domestica) by HSâ€“SPME combined with GCâ€“MS. Journal of Food Measurement and Characterization, 2021, 15, 4215-4225.	3.2	15
28	MdBBX21, a B-Box Protein, Positively Regulates Light-Induced Anthocyanin Accumulation in Apple Peel. Frontiers in Plant Science, 2021, 12, 774446.	3.6	14
29	Overexpression of the Apple (MalusÃ— domestica) MdERF100 in Arabidopsis Increases Resistance to Powdery Mildew. International Journal of Molecular Sciences, 2021, 22, 5713.	4.1	13
30	Effect of Debagging Time on Pigment Patterns in the Peel and Sugar and Organic Acid Contents in the Pulp of â€˜Golden Deliciousâ€™ and â€˜Qinguanâ€™ Apple Fruit at Mid and Late Stages of Development. PLoS ONE, 2016, 11, e0165050.	2.5	9
31	GC-MS Metabolite and Transcriptome Analyses Reveal the Differences of Volatile Synthesis and Gene Expression Profiling between Two Apple Varieties. International Journal of Molecular Sciences, 2022, 23, 2939.	4.1	9
32	Soil phytoremediation reveals alteration in soil microbial metabolic activities along time gradient of cover crop mulching. Environmental Research, 2022, 209, 112884.	7.5	7
33	Brassinosteroids are involved in volatile compounds biosynthesis related to MdBZR1 in â€˜Ruixueâ€™ (Malus Ã— domestica Borkh.) fruit. Postharvest Biology and Technology, 2022, 189, 111931.	6.0	6
34	Comparison of textural and ultrastructural characteristics of four apple cultivars with different textures during cold storage. International Journal of Food Properties, 2019, 22, 659-669.	3.0	5
35	Physiological Characteristics of Sunburn Peel after Apple Debagged. Molecules, 2022, 27, 3775.	3.8	5
36	The spatio-temporal change in soil P and P-solubilizing bacteria under clover mulching in apple orchards of Loess Plateau. Chemosphere, 2022, 304, 135334.	8.2	5

#	Article	IF	Citations
37	Genome Wide Identification and Characterization of Apple WD40 Proteins and Expression Analysis in Response to ABA, Drought, and Low Temperature. Horticulturae, 2022, 8, 141.	2.8	4