

Muhammad Junaid Rao

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

582
citations

759233

12
h-index

752698

20
g-index

27
all docs

27
docs citations

27
times ranked

463
citing authors

#	ARTICLE	IF	CITATIONS
1	Drought tolerance in citrus rootstocks is associated with better antioxidant defense mechanism. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	70
2	CsCYT75B1, a Citrus CYTOCHROME P450 Gene, Is Involved in Accumulation of Antioxidant Flavonoids and Induces Drought Tolerance in Transgenic Arabidopsis. <i>Antioxidants</i> , 2020, 9, 161.	5.1	65
3	Genome of a citrus rootstock and global DNA demethylation caused by heterografting. <i>Horticulture Research</i> , 2021, 8, 69.	6.3	45
4	Genomic insights into citrus domestication and its important agronomic traits. <i>Plant Communications</i> , 2021, 2, 100138.	7.7	41
5	Oxidative Stress and Antioxidant Defense in Plants Under Drought Conditions. , 2019, , 207-219.		37
6	Expression Profiling of Flavonoid Biosynthesis Genes and Secondary Metabolites Accumulation in <i>Populus</i> under Drought Stress. <i>Molecules</i> , 2021, 26, 5546.	3.8	34
7	Ectopic expression of citrus UDP-GLUCOSYL TRANSFERASE gene enhances anthocyanin and proanthocyanidins contents and confers high light tolerance in Arabidopsis. <i>BMC Plant Biology</i> , 2019, 19, 603.	3.6	32
8	Advances, limitations, and prospects of biosensing technology for detecting phytopathogenic bacteria. <i>Chemosphere</i> , 2022, 296, 133773.	8.2	32
9	Metabolic Mechanisms of Host Species Against Citrus Huanglongbing (Greening Disease). <i>Critical Reviews in Plant Sciences</i> , 2018, 37, 496-511.	5.7	29
10	CRISPR/Cas9 technology for improving agronomic traits and future prospective in agriculture. <i>Planta</i> , 2021, 254, 68.	3.2	28
11	Molecular signatures between citrus and <i>Candidatus Liberibacter asiaticus</i> . <i>PLoS Pathogens</i> , 2021, 17, e1010071.	4.7	23
12	Antioxidant Metabolites in Primitive, Wild, and Cultivated Citrus and Their Role in Stress Tolerance. <i>Molecules</i> , 2021, 26, 5801.	3.8	20
13	Volkamer Lemon Tetraploid Rootstock Transmits the Salt Tolerance When Grafted with Diploid Kinnow Mandarin by Strong Antioxidant Defense Mechanism and Efficient Osmotic Adjustment. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 1125-1137.	5.1	19
14	Comparison and Quantification of Metabolites and Their Antioxidant Activities in Young and Mature Leaves of Sugarcane. <i>ACS Food Science & Technology</i> , 2021, 1, 362-373.	2.7	15
15	Natural variations of TFIIA ³ gene and LOB1 promoter contribute to citrus canker disease resistance in <i>Atalantia buxifolia</i> . <i>PLoS Genetics</i> , 2021, 17, e1009316.	3.5	14
16	Transcriptome and MiRNAomics Analyses Identify Genes Associated with Cytoplasmic Male Sterility in Cotton (<i>Gossypium hirsutum</i> L.). <i>International Journal of Molecular Sciences</i> , 2021, 22, 4684.	4.1	14
17	Effect of different combinations of antibiotics on fruit quality and antioxidant defense system in Huanglongbing infected Kinnow orchards. <i>AMB Express</i> , 2019, 9, 147.	3.0	12
18	Novel Insights into Anthocyanin Metabolism and Molecular Characterization of Associated Genes in Sugarcane Rinds Using the Metabolome and Transcriptome. <i>International Journal of Molecular Sciences</i> , 2022, 23, 338.	4.1	12

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19	Probing the structural basis of Citrus phytochrome B using computational modelling and molecular dynamics simulation approaches. <i>Journal of Molecular Liquids</i> , 2021, 340, 116895.	4.9	11
20	Effect of Seed Priming on Seed Dormancy and Vigor. , 2019, , 135-145.		7
21	<sc>LCâ€MS</sc>/<sc>MS</sc>-based metabolomics approach revealed novel phytochemicals from sugarcane rind with promising pharmacological value. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 6632-6642.	3.5	7
22	Sugarcane Rind Secondary Metabolites and Their Antioxidant Activities in Eleven Cultivated Sugarcane Varieties. <i>Sugar Tech</i> , 0, , 1.	1.8	6
23	Transcriptomic and Widely Targeted Metabolomic Approach Identified Diverse Group of Bioactive Compounds, Antiradical Activities, and Their Associated Genes in Six Sugarcane Varieties. <i>Antioxidants</i> , 2022, 11, 1319.	5.1	6
24	Hydropriming for Plant Growth and Stress Tolerance. , 2019, , 373-384.		2