

Federico Martinelli

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,135
citations

331670

21
h-index

243625

44
g-index

51
all docs

51
docs citations

51
times ranked

2575
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced methods of plant disease detection. A review. <i>Agronomy for Sustainable Development</i> , 2015, 35, 1-25.	5.3	579
2	Advanced Glycation End Products (AGEs): Biochemistry, Signaling, Analytical Methods, and Epigenetic Effects. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-18.	4.0	213
3	Transcriptome Profiling of Citrus Fruit Response to Huanglongbing Disease. <i>PLoS ONE</i> , 2012, 7, e38039.	2.5	158
4	Soil inoculation with symbiotic microorganisms promotes plant growth and nutrient transporter genes expression in durum wheat. <i>Frontiers in Plant Science</i> , 2015, 6, 815.	3.6	118
5	Gene Regulatory Networks Elucidating Huanglongbing Disease Mechanisms. <i>PLoS ONE</i> , 2013, 8, e74256.	2.5	106
6	Metabolomics Suggests That Soil Inoculation with Arbuscular Mycorrhizal Fungi Decreased Free Amino Acid Content in Roots of Durum Wheat Grown under N-Limited, P-Rich Field Conditions. <i>PLoS ONE</i> , 2015, 10, e0129591.	2.5	69
7	Arbuscular mycorrhizal symbiosis mitigates the negative effects of salinity on durum wheat. <i>PLoS ONE</i> , 2017, 12, e0184158.	2.5	62
8	Epigenetics for Crop Improvement in Times of Global Change. <i>Biology</i> , 2021, 10, 766.	2.8	53
9	Transcriptome and metabolome analysis of Citrus fruit to elucidate puffing disorder. <i>Plant Science</i> , 2014, 217-218, 87-98.	3.6	52
10	It Is Our Turn to Get Cannabis High: Put Cannabinoids in Food and Health Baskets. <i>Molecules</i> , 2020, 25, 4036.	3.8	52
11	Identification of key genes and its chromosome regions linked to drought responses in leaves across different crops through meta-analysis of RNA-Seq data. <i>BMC Plant Biology</i> , 2019, 19, 194.	3.6	45
12	Stress responses in citrus peel: Comparative analysis of host responses to Huanglongbing disease and puffing disorder. <i>Scientia Horticulturae</i> , 2015, 192, 409-420.	3.6	38
13	Transcriptomic responses to biotic stresses in <i>Malus x domestica</i> : a meta-analysis study. <i>Scientific Reports</i> , 2018, 8, 1970.	3.3	37
14	Deciphering the Epigenetic Alphabet Involved in Transgenerational Stress Memory in Crops. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7118.	4.1	36
15	Plant stress biology in epigenomic era. <i>Plant Science</i> , 2020, 294, 110376.	3.6	34
16	Analysis of Early Host Responses for Asymptomatic Disease Detection and Management of Specialty Crops. <i>Critical Reviews in Immunology</i> , 2010, 30, 277-289.	0.5	34
17	Metabolic Profiling and Post-harvest Behavior of "Dottato" Fig (<i>Ficus carica</i> L.) Fruit Covered With an Edible Coating From <i>O. ficus-indica</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 1321.	3.6	30
18	Detection and identification of Fabavirus species by one-step RT-PCR and multiplex RT-PCR. <i>Journal of Virological Methods</i> , 2014, 197, 77-82.	2.1	28

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19	Identification and characterization of durum wheat microRNAs in leaf and root tissues. <i>Functional and Integrative Genomics</i> , 2017, 17, 583-598.	3.5	28
20	Gaining Insight into Exclusive and Common Transcriptomic Features Linked with Biotic Stress Responses in <i>Malus</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1569.	3.6	28
21	Identifying Host Molecular Features Strongly Linked With Responses to Huanglongbing Disease in Citrus Leaves. <i>Frontiers in Plant Science</i> , 2018, 9, 277.	3.6	25
22	Botanical, Phytochemical, Anti-Microbial and Pharmaceutical Characteristics of Hawthorn (<i>Crataegus monogyna</i> Jacq.), Rosaceae. <i>Molecules</i> , 2021, 26, 7266.	3.8	25
23	Light induces expression of a dehydrin-encoding gene during seedling de-etiolation in sunflower (<i>Helianthus annuus</i> L.). <i>Journal of Plant Physiology</i> , 2007, 164, 263-273.	3.5	23
24	Transcriptome analysis of <i>Phoenix canariensis</i> Chabaud in response to <i>Rhynchophorus ferrugineus</i> Olivier attacks. <i>Frontiers in Plant Science</i> , 2015, 6, 817.	3.6	18
25	A microarray analysis highlights the role of tetrapyrrole pathways in grapevine responses to <i>Æstolbur</i> phytoplasma, phloem virus infections and recovered status. <i>Physiological and Molecular Plant Pathology</i> , 2016, 93, 129-137.	2.5	17
26	<i>Rhynchophorus ferrugineus</i> attack affects a group of compounds rather than rearranging <i>Phoenix canariensis</i> metabolic pathways. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 388-396.	8.5	15
27	A Comparative Transcriptomic Meta-Analysis Revealed Conserved Key Genes and Regulatory Networks Involved in Drought Tolerance in Cereal Crops. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13062.	4.1	15
28	An Epigenetic Alphabet of Crop Adaptation to Climate Change. <i>Frontiers in Genetics</i> , 2022, 13, 818727.	2.3	15
29	RNA uridylation and decay in plants. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20180163.	4.0	14
30	A robust workflow for indirect somatic embryogenesis and cornlet production in saffron (<i>Crocus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.2	14
31	Identification of miRNAs linked with the drought response of tef [<i>Eragrostis tef</i> (Zucc.) Trotter]. <i>Journal of Plant Physiology</i> , 2018, 224-225, 163-172.	3.5	13
32	Water Deficit Affects the Growth and Leaf Metabolite Composition of Young Loquat Plants. <i>Plants</i> , 2020, 9, 274.	3.5	12
33	The priming fingerprint on the plant transcriptome investigated through meta-analysis of RNA-Seq data. <i>European Journal of Plant Pathology</i> , 2020, 156, 779-797.	1.7	12
34	Computational screening of miRNAs and their targets in saffron (<i>Crocus sativus</i> L.) by transcriptome mining. <i>Planta</i> , 2021, 254, 117.	3.2	12
35	Identification of microRNAs differentially regulated by water deficit in relation to mycorrhizal treatment in wheat. <i>Molecular Biology Reports</i> , 2019, 46, 5163-5174.	2.3	11
36	Short-Term Responses of Apple Fruit to Partial Reoxygenation during Extreme Hypoxic Storage Conditions. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 4754-4763.	5.2	11

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37	Identification of conserved genes linked to responses to abiotic stresses in leaves among different plant species. <i>Functional Plant Biology</i> , 2021, 48, 54.	2.1	10
38	In-Field and Early Detection of <i>Xylella fastidiosa</i> Infections in Olive Using a Portable Instrument. <i>Frontiers in Plant Science</i> , 2018, 9, 2007.	3.6	9
39	Transcriptome Analysis of <i>Pistacia vera</i> Inflorescence Buds in Bearing and Non-Bearing Shoots Reveals the Molecular Mechanism Causing Premature Flower Bud Abscission. <i>Genes</i> , 2020, 11, 851.	2.4	9
40	Gaining Insight into Exclusive and Common Transcriptomic Features Linked to Drought and Salinity Responses across Fruit Tree Crops. <i>Plants</i> , 2020, 9, 1059.	3.5	9
41	Application of a portable instrument for rapid and reliable detection of SARS-CoV-2 infection in any environment. <i>Immunological Reviews</i> , 2020, 295, 4-10.	6.0	9
42	Molecular Responses to Small Regulating Molecules against Huanglongbing Disease. <i>PLoS ONE</i> , 2016, 11, e0159610.	2.5	7
43	Agronomic, metabolomic and lipidomic characterisation of Sicilian <i>Origanum vulgare</i> (L.) ecotypes. <i>Natural Product Research</i> , 2016, 30, 1103-1107.	1.8	6
44	Proposed Research for Innovative Solutions for Chickpeas and Beans in a Climate Change Scenario: The Mediterranean Basin. <i>Sustainability</i> , 2020, 12, 1315.	3.2	5
45	LEGU-MED: Developing Biodiversity-Based Agriculture with Legume Cropping Systems in the Mediterranean Basin. <i>Agronomy</i> , 2022, 12, 132.	3.0	4
46	Transcriptomic Analysis of the <i>Pistacia vera</i> (L.) Fruits Enable the Identification of Genes and Hormone-Related Gene Linked to Inflorescence Bud Abscission. <i>Genes</i> , 2022, 13, 60.	2.4	4
47	Identifying conserved genes involved in crop tolerance to cold stress. <i>Functional Plant Biology</i> , 2022, 49, 861-873.	2.1	4
48	Deciphering transcriptional regulation mechanisms underlining fruit development and ripening in <i>Vitis vinifera</i> . <i>Journal of Berry Research</i> , 2019, 9, 641-664.	1.4	2
49	Transcriptome Response of Metallicolous and a Non-Metallicolous Ecotypes of <i>Noccaea goesingensis</i> to Nickel Excess. <i>Plants</i> , 2020, 9, 951.	3.5	2
50	Meta-analysis of transcriptomic responses to cold stress in plants. <i>Functional Plant Biology</i> , 2022, 49, 704-724.	2.1	2
51	Members of the WRKY gene family are upregulated in Canary palms attacked by Red Palm Weevil. <i>Arthropod-Plant Interactions</i> , 2019, 13, 109-116.	1.1	1