

Giuseppe Montanaro

List of Publications by Year in descending order

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69
papers

1,178
citations

361413

20
h-index

395702

33
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docs citations

69
times ranked

1325
citing authors

#	ARTICLE	IF	CITATIONS
1	Innovation in grapevine water status monitoring and drought adaptation: leaf angle and temperature regulation. <i>BIO Web of Conferences</i> , 2022, 44, 05002.	0.2	0
2	Managing carbon fluxes in a peach orchard. <i>Acta Horticulturae</i> , 2021, , 201-206.	0.2	2
3	Towards In Vivo Monitoring of Ions Accumulation in Trees: Response of an in Planta Organic Electrochemical Transistor Based Sensor to Water Flux Density, Light and Vapor Pressure Deficit Variation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4729.	2.5	8
4	Carbon Fluxes in Sustainable Tree Crops: Field, Ecosystem and Global Dimension. <i>Sustainability</i> , 2021, 13, 8750.	3.2	6
5	Image-Based Assessment of Drought Response in Grapevines. <i>Frontiers in Plant Science</i> , 2020, 11, 595.	3.6	28
6	Root to Shoot Signaling and Leaf Water Use Efficiency in Peach Trees under Localized Irrigation. <i>Agronomy</i> , 2020, 10, 437.	3.0	7
7	Adaptation of Mediterranean Olive Groves to Climate Change through Sustainable Cultivation Practices. <i>Climate</i> , 2020, 8, 54.	2.8	42
8	The effects of calcite silicon-mediated particle film application on leaf temperature and grape composition of Merlot (&i&t;Vitis vinifera L.&i&t;) vines under different irrigation conditions. <i>Oeno One</i> , 2020, 54, 1007-1020.	1.4	2
9	Preliminary high-throughput phenotyping analysis in grapevines under drought. <i>BIO Web of Conferences</i> , 2019, 13, 02003.	0.2	3
10	Drought phenotyping in Vitis vinifera using RGB and NIR imaging. <i>Scientia Horticulturae</i> , 2019, 256, 108555.	3.6	35
11	Climate change mitigation and adaptation in agriculture: the case of the olive. <i>Journal of Water and Climate Change</i> , 2018, 9, 633-642.	2.9	18
12	Mitigation of global warming impact of fresh fruit production through climate smart management. <i>Journal of Cleaner Production</i> , 2018, 172, 3634-3643.	9.3	18
13	Multifunctional peri-urban agriculture: some ecosystem services of a sustainable olive grove. <i>Acta Horticulturae</i> , 2018, , 21-26.	0.2	1
14	Water and carbon economy in sustainable orchards in Mediterranean environments. <i>Acta Horticulturae</i> , 2018, , 391-396.	0.2	0
15	A preliminary assessment of green areas of Matera city and their potential role in climate change. <i>Acta Horticulturae</i> , 2018, , 45-48.	0.2	0
16	Integrated life-cycle assessment in sustainable and conventional apricot orchards in southern Italy. <i>Acta Horticulturae</i> , 2018, , 77-82.	0.2	1
17	Orchard management, soil organic carbon and ecosystem services in Mediterranean fruit tree crops. <i>Scientia Horticulturae</i> , 2017, 217, 92-101.	3.6	97
18	Does irrigation method affect both root physiology and orchard ecology?. <i>Acta Horticulturae</i> , 2017, , 273-280.	0.2	0

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19	Seasonal irrigation volumes and water footprint in a Mediterranean peach orchard. <i>Acta Horticulturae</i> , 2017, , 349-354.	0.2	1
20	Indole-3-acetic acid metabolism and growth in young kiwifruit berry. <i>Plant Growth Regulation</i> , 2017, 82, 505-515.	3.4	6
21	Carbon budget in a Mediterranean peach orchard under different management practices. <i>Agriculture, Ecosystems and Environment</i> , 2017, 238, 104-113.	5.3	49
22	Fruit mineral content of apricot and kiwifruit in relation to transpiration. <i>Acta Horticulturae</i> , 2017, , 295-300.	0.2	0
23	Effect of sustainable production systems on carbon and water footprint in fruit tree orchards. <i>Acta Horticulturae</i> , 2016, , 19-24.	0.2	2
24	Sustainable orchard management in semi-arid areas to improve water use efficiency and soil fertility. <i>Acta Horticulturae</i> , 2016, , 425-430.	0.2	7
25	CARBON ECONOMY AND MINERAL NUTRITION IN A SUSTAINABLE PEACH ORCHARD. <i>Acta Horticulturae</i> , 2015, , 533-538.	0.2	1
26	PRELIMINARY ASSESSMENT OF ABA CONCENTRATION IN ROOTS OF DRIP IRRIGATED PEACH TREES. <i>Acta Horticulturae</i> , 2015, , 555-559.	0.2	0
27	SUSTAINABLE PRODUCTION SYSTEMS IN FRUIT TREE ORCHARDS. <i>Acta Horticulturae</i> , 2015, , 319-324.	0.2	12
28	Fruit calcium accumulation coupled and uncoupled from its transpiration in kiwifruit. <i>Journal of Plant Physiology</i> , 2015, 181, 67-74.	3.5	38
29	Internal versus external control of calcium nutrition in kiwifruit. <i>Journal of Plant Nutrition and Soil Science</i> , 2014, 177, 819-830.	1.9	42
30	A PRELIMINARY ASSESSMENT OF WATER FOOTPRINT COMPONENTS IN A MEDITERRANEAN OLIVE GROVE. <i>Acta Horticulturae</i> , 2014, , 671-676.	0.2	7
31	FRUIT MICROENVIRONMENT AND FRUIT TRANSPIRATION: IMPLICATIONS FOR FRUIT QUALITY TRAITS. <i>Acta Horticulturae</i> , 2014, , 171-176.	0.2	0
32	Stem and whole-plant hydraulics in olive (<i>Olea europaea</i>) and kiwifruit (<i>Actinidia deliciosa</i>). <i>Trees - Structure and Function</i> , 2013, 27, 183-191.	1.9	33
33	Hydraulic resistance of developing <i>Actinidia</i> fruit. <i>Annals of Botany</i> , 2013, 112, 197-205.	2.9	36
34	Fruit transpiration in kiwifruit: environmental drivers and predictive model. <i>AoB PLANTS</i> , 2012, 2012, pls036-pls036.	2.3	31
35	GROWTH AND MINERAL UPTAKE IN MICROPROPAGATED MYROBOLAN 29C PLANTS INOCULATED WITH MYCORRHIZAS AND BIO-CONTROL MICROORGANISMS. <i>Acta Horticulturae</i> , 2012, , 229-234.	0.2	0
36	Soil management affects carbon dynamics and yield in a Mediterranean peach orchard. <i>Agriculture, Ecosystems and Environment</i> , 2012, 161, 46-54.	5.3	61

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37	Irrigation in Mediterranean Fruit Tree Orchards. , 2012, , .		5
38	HYDRAULIC CONDUCTIVITY IN MYCORRHISATED PRUNUS PLANTS. Acta Horticulturae, 2012, , 191-196.	0.2	2
39	EFFECTS OF MYCORRHIZAS ON HYDRAULIC CONDUCTIVITY IN MICROGRAFTED MYROBOLAN 29C ROOTSTOCKS. Acta Horticulturae, 2012, , 235-240.	0.2	1
40	DOES DYE INFUSION INDICATE XYLEM FUNCTIONALITY IN KIWIFRUIT?. Acta Horticulturae, 2011, , 353-355.	0.2	1
41	PRELIMINARY EVALUATION OF THE TRANSPIRATION RESPONSE OF YOUNG ACTINIDIA FRUIT TO THE WEATHER. Acta Horticulturae, 2011, , 389-391.	0.2	1
42	SUSTAINABLE ORCHARD MANAGEMENT, FRUIT QUALITY AND CARBON FOOTPRINT. Acta Horticulturae, 2011, , 269-273.	0.2	4
43	INTEGRATION OF THE REGULATED DEFICIT IRRIGATION STRATEGY IN A SUSTAINABLE ORCHARD MANAGEMENT SYSTEM. Acta Horticulturae, 2011, , 221-226.	0.2	11
44	Significance of fruit transpiration on calcium nutrition in developing apricot fruit. Journal of Plant Nutrition and Soil Science, 2010, 173, 618-622.	1.9	36
45	Effects of soilâ€protecting agricultural practices on soil organic carbon and productivity in fruit tree orchards. Land Degradation and Development, 2010, 21, 132-138.	3.9	52
46	SUSTAINABLE APRICOT ORCHARD MANAGEMENT TO IMPROVE SOIL FERTILITY AND WATER USE EFFICIENCY. Acta Horticulturae, 2010, , 419-424.	0.2	1
47	TRANSPIRATION AND CALCIUM ACCUMULATION IN APRICOT FRUIT. Acta Horticulturae, 2010, , 429-432.	0.2	0
48	A PRELIMINARY ASSESSMENT OF CARBON DIOXIDE EMISSIONS FROM APRICOT ORCHARD SOILS. Acta Horticulturae, 2010, , 433-438.	0.2	0
49	Shade mitigates photoinhibition and enhances water use efficiency in kiwifruit under drought. Photosynthetica, 2009, 47, .	1.7	29
50	Photosynthetic performance and light response of two olive cultivars under different water and light regimes. Photosynthetica, 2009, 47, 602-608.	1.7	42
51	Shade effect on photosynthesis and photoinhibition in olive during drought and rewatering. Agricultural Water Management, 2009, 96, 1201-1206.	5.6	32
52	FRUIT MORPHOLOGICAL AND PHYSIOLOGICAL TRAITS INFLUENCE CALCIUM TRANSPORT AND ACCUMULATION IN KIWIFRUIT. Acta Horticulturae, 2008, , 369-378.	0.2	8
53	Phenolic compounds in young developing kiwifruit in relation to light exposure: Implications for fruit calcium accumulation. Journal of Plant Interactions, 2007, 2, 63-69.	2.1	16
54	SUSTAINABLE KIWIFRUIT ORCHARD MANAGEMENT IN SEMI-ARID ENVIRONMENTS. Acta Horticulturae, 2007, , 591-598.	0.2	2

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55	FRUIT CALCIUM CONTENT IN RELATION TO PHENOLIC COMPOUNDS IN STALK AND BERRY OF YOUNG DEVELOPING FRUITS OF ACTINIDIA DELICIOSA VAR. DELICIOSA. Acta Horticulturae, 2007, , 453-458.	0.2	0
56	Response of photosynthetic machinery of field-grown kiwifruit under Mediterranean conditions during drought and re-watering. Photosynthetica, 2007, 45, .	1.7	22
57	Effects of post-harvest regulated deficit irrigation on carbohydrate and nitrogen partitioning, yield quality and vegetative growth of peach trees. Plant and Soil, 2007, 290, 127-137.	3.7	55
58	Osmotic regulation in leaves and roots of olive trees during a water deficit and rewatering. Tree Physiology, 2006, 26, 179-185.	3.1	100
59	Light influences transpiration and calcium accumulation in fruit of kiwifruit plants (Actinidia) Tj ETQq1 1 0.784314 $\mu\text{gBT} / \text{Overlock } 10 \text{ TF}$	3.6	75
60	POSTHARVEST REGULATED DEFICIT IRRIGATION OF PEACH TREE IN A MEDITERRANEAN ENVIRONMENT: EFFECTS ON VEGETATIVE GROWTH AND YIELD. Acta Horticulturae, 2004, , 169-174.	0.2	10
61	CALCIUM ABSORPTION AND DISTRIBUTION IN MATURE KIWIFRUIT PLANTS. Acta Horticulturae, 2003, , 331-334.	0.2	5
62	WATER RELATIONS, CALCIUM AND POTASSIUM CONCENTRATION IN FRUITS AND LEAVES DURING ANNUAL GROWTH IN MATURE KIWIFRUIT PLANTS. Acta Horticulturae, 2001, , 129-134.	0.2	22
63	CHARACTERIZATION OF TRAINING SYSTEMS IN RELATION TO WATER USE EFFICIENCY IN APRICOT AND KIWIFRUIT PLANTS. Acta Horticulturae, 2000, , 207-213.	0.2	4
64	DISTRIBUTION OF DRY MATTER AND AMOUNT OF MINERAL ELEMENTS IN IRRIGATED AND NON-IRRIGATED OLIVE TREES. Acta Horticulturae, 1999, , 381-384.	0.2	18
65	WATER USE EFFICIENCY OF PERGOLA-TRAINED KIWIFRUIT PLANTS. Acta Horticulturae, 1999, , 151-158.	0.2	8
66	INFLUENCE OF DIFFERENT SEASONAL LIGHT AVAILABILITY ON FLOWER BUD QUALITY IN CV TIRYNTHOS (PRUNUS ARMENIACA L.). Acta Horticulturae, 1999, , 477-482.	0.2	3
67	LEAF AREA EVOLUTION, LIGHT INTERCEPTION, YIELD AND QUALITY OF FRUITS IN APRICOT TREES (CULTIVAR) Tj ETQq1 1 0.784314 $\mu\text{gBT} / \text{Overlock } 10 \text{ TF}$	0.2	3
68	GROWTH AND YIELD IN IRRIGATED AND NON-IRRIGATED OLIVE TREES CULTIVAR CORATINA OVER FOUR YEARS AFTER PLANTING. Acta Horticulturae, 1997, , 75-82.	0.2	10
69	Fruit Transpiration: Mechanisms and Significance for Fruit Nutrition and Growth. , 0, , .		6