

# Giuseppe Montanaro

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

1,178  
citations

361045

20  
h-index

395343

33  
g-index

69  
all docs

69  
docs citations

69  
times ranked

1325  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Osmotic regulation in leaves and roots of olive trees during a water deficit and rewatering. <i>Tree Physiology</i> , 2006, 26, 179-185.  | 1.4 | 100       |
| 2  | Orchard management, soil organic carbon and ecosystem services in Mediterranean fruit tree crops. <i>Scientia Horticulturae</i> , 2017, 217, 92-101.  | 1.7 | 97        |
| 3  | Light influences transpiration and calcium accumulation in fruit of kiwifruit plants ( <i>Actinidia</i> ). <i>Tree Physiology</i> , 2017, 37, 107-115.  | 1.7 | 75        |
| 4  | Soil management affects carbon dynamics and yield in a Mediterranean peach orchard. <i>Agriculture, Ecosystems and Environment</i> , 2012, 161, 46-54.  | 2.5 | 61        |
| 5  | Effects of post-harvest regulated deficit irrigation on carbohydrate and nitrogen partitioning, yield quality and vegetative growth of peach trees. <i>Plant and Soil</i> , 2007, 290, 127-137. | 1.8 | 55        |
| 6  | Effects of soil conservation practices on soil organic carbon and productivity in fruit tree orchards. <i>Land Degradation and Development</i> , 2010, 21, 132-138.                             | 1.8 | 52        |
| 7  | Carbon budget in a Mediterranean peach orchard under different management practices. <i>Agriculture, Ecosystems and Environment</i> , 2017, 238, 104-113.                                       | 2.5 | 49        |
| 8  | Photosynthetic performance and light response of two olive cultivars under different water and light regimes. <i>Photosynthetica</i> , 2009, 47, 602-608.                                       | 0.9 | 42        |
| 9  | Internal versus external control of calcium nutrition in kiwifruit. <i>Journal of Plant Nutrition and Soil Science</i> , 2014, 177, 819-830.  | 1.1 | 42        |
| 10 | Adaptation of Mediterranean Olive Groves to Climate Change through Sustainable Cultivation Practices. <i>Climate</i> , 2020, 8, 54.   | 1.2 | 42        |
| 11 | Fruit calcium accumulation coupled and uncoupled from its transpiration in kiwifruit. <i>Journal of Plant Physiology</i> , 2015, 181, 67-74.  | 1.6 | 38        |
| 12 | Significance of fruit transpiration on calcium nutrition in developing apricot fruit. <i>Journal of Plant Nutrition and Soil Science</i> , 2010, 173, 618-622.                                  | 1.1 | 36        |
| 13 | Hydraulic resistance of developing <i>Actinidia</i> fruit. <i>Annals of Botany</i> , 2013, 112, 197-205.  | 1.4 | 36        |
| 14 | Drought phenotyping in <i>Vitis vinifera</i> using RGB and NIR imaging. <i>Scientia Horticulturae</i> , 2019, 256, 108555.  | 1.7 | 35        |
| 15 | 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.                      | 0.9 | 33        |
| 16 | Shade effect on photosynthesis and photoinhibition in olive during drought and rewatering. <i>Agricultural Water Management</i> , 2009, 96, 1201-1206.  | 2.4 | 32        |
| 17 | Fruit transpiration in kiwifruit: environmental drivers and predictive model. <i>AoB PLANTS</i> , 2012, 2012, pls036-pls036.  | 1.2 | 31        |
| 18 | Shade mitigates photoinhibition and enhances water use efficiency in kiwifruit under drought. <i>Photosynthetica</i> , 2009, 47, .  | 0.9 | 29        |

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|----|---|-----|-----------|
| 19 | Image-Based Assessment of Drought Response in Grapevines. <i>Frontiers in Plant Science</i> , 2020, 11, 595.  | 1.7 | 28        |
| 20 | WATER RELATIONS, CALCIUM AND POTASSIUM CONCENTRATION IN FRUITS AND LEAVES DURING ANNUAL GROWTH IN MATURE KIWIFRUIT PLANTS. <i>Acta Horticulturae</i> , 2001, , 129-134.   | 0.1 | 22        |
| 21 | Response of photosynthetic machinery of field-grown kiwifruit under Mediterranean conditions during drought and re-watering. <i>Photosynthetica</i> , 2007, 45, .   | 0.9 | 22        |
| 22 | DISTRIBUTION OF DRY MATTER AND AMOUNT OF MINERAL ELEMENTS IN IRRIGATED AND NON-IRRIGATED OLIVE TREES. <i>Acta Horticulturae</i> , 1999, , 381-384.  | 0.1 | 18        |
| 23 | Climate change mitigation and adaptation in agriculture: the case of the olive. <i>Journal of Water and Climate Change</i> , 2018, 9, 633-642.  | 1.2 | 18        |
| 24 | Mitigation of global warming impact of fresh fruit production through climate smart management. <i>Journal of Cleaner Production</i> , 2018, 172, 3634-3643.  | 4.6 | 18        |
| 25 | Phenolic compounds in young developing kiwifruit in relation to light exposure: Implications for fruit calcium accumulation. <i>Journal of Plant Interactions</i> , 2007, 2, 63-69.   | 1.0 | 16        |
| 26 | SUSTAINABLE PRODUCTION SYSTEMS IN FRUIT TREE ORCHARDS. <i>Acta Horticulturae</i> , 2015, , 319-324.   | 0.1 | 12        |
| 27 | INTEGRATION OF THE REGULATED DEFICIT IRRIGATION STRATEGY IN A SUSTAINABLE ORCHARD MANAGEMENT SYSTEM. <i>Acta Horticulturae</i> , 2011, , 221-226.   | 0.1 | 11        |
| 28 | GROWTH AND YIELD IN IRRIGATED AND NON-IRRIGATED OLIVE TREES CULTIVAR CORATINA OVER FOUR YEARS AFTER PLANTING. <i>Acta Horticulturae</i> , 1997, , 75-82.  | 0.1 | 10        |
| 29 | POSTHARVEST REGULATED DEFICIT IRRIGATION OF PEACH TREE IN A MEDITERRANEAN ENVIRONMENT: EFFECTS ON VEGETATIVE GROWTH AND YIELD. <i>Acta Horticulturae</i> , 2004, , 169-174.   | 0.1 | 10        |
| 30 | WATER USE EFFICIENCY OF PERGOLA-TRAINED KIWIFRUIT PLANTS. <i>Acta Horticulturae</i> , 1999, , 151-158.  | 0.1 | 8         |
| 31 | 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. | 1.3 | 8         |
| 32 | FRUIT MORPHOLOGICAL AND PHYSIOLOGICAL TRAITS INFLUENCE CALCIUM TRANSPORT AND ACCUMULATION IN KIWIFRUIT. <i>Acta Horticulturae</i> , 2008, , 369-378.  | 0.1 | 8         |
| 33 | A PRELIMINARY ASSESSMENT OF WATER FOOTPRINT COMPONENTS IN A MEDITERRANEAN OLIVE GROVE. <i>Acta Horticulturae</i> , 2014, , 671-676.   | 0.1 | 7         |
| 34 | Sustainable orchard management in semi-arid areas to improve water use efficiency and soil fertility. <i>Acta Horticulturae</i> , 2016, , 425-430.  | 0.1 | 7         |
| 35 | Root-to-Shoot Signaling and Leaf Water Use Efficiency in Peach Trees under Localized Irrigation. <i>Agronomy</i> , 2020, 10, 437.   | 1.3 | 7         |
| 36 | Fruit Transpiration: Mechanisms and Significance for Fruit Nutrition and Growth. , 0, , .   |     | 6         |

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|----|--|-----|-----------|
| 37 | Indole-3-acetic acid metabolism and growth in young kiwifruit berry. <i>Plant Growth Regulation</i> , 2017, 82, 505-515.   | 1.8 | 6         |
| 38 | Carbon Fluxes in Sustainable Tree Crops: Field, Ecosystem and Global Dimension. <i>Sustainability</i> , 2021, 13, 8750.  | 1.6 | 6         |
| 39 | Irrigation in Mediterranean Fruit Tree Orchards. , 2012, , .   |     | 5         |
| 40 | CALCIUM ABSORPTION AND DISTRIBUTION IN MATURE KIWIFRUIT PLANTS. <i>Acta Horticulturae</i> , 2003, , 331-334.   | 0.1 | 5         |
| 41 | SUSTAINABLE ORCHARD MANAGEMENT, FRUIT QUALITY AND CARBON FOOTPRINT. <i>Acta Horticulturae</i> , 2011, , 269-273.   | 0.1 | 4         |
| 42 | CHARACTERIZATION OF TRAINING SYSTEMS IN RELATION TO WATER USE EFFICIENCY IN APRICOT AND KIWIFRUIT PLANTS. <i>Acta Horticulturae</i> , 2000, , 207-213.   | 0.1 | 4         |
| 43 | INFLUENCE OF DIFFERENT SEASONAL LIGHT AVAILABILITY ON FLOWER BUD QUALITY IN CV TIRYNTHOS (PRUNUS ARMENIACA L.). <i>Acta Horticulturae</i> , 1999, , 477-482.   | 0.1 | 3         |
| 44 | Preliminary high-throughput phenotyping analysis in grapevines under drought. <i>BIO Web of Conferences</i> , 2019, 13, 02003.   | 0.1 | 3         |
| 45 | LEAF AREA EVOLUTION, LIGHT INTERCEPTION, YIELD AND QUALITY OF FRUITS IN APRICOT TREES (CULTIVAR) Tj ETOq1 1 0.784314 rg  | 0.1 | 3         |
| 46 | SUSTAINABLE KIWIFRUIT ORCHARD MANAGEMENT IN SEMI-ARID ENVIRONMENTS. <i>Acta Horticulturae</i> , 2007, , 591-598.   | 0.1 | 2         |
| 47 | HYDRAULIC CONDUCTIVITY IN MYCORRHISATED PRUNUS PLANTS. <i>Acta Horticulturae</i> , 2012, , 191-196.  | 0.1 | 2         |
| 48 | Effect of sustainable production systems on carbon and water footprint in fruit tree orchards. <i>Acta Horticulturae</i> , 2016, , 19-24.  | 0.1 | 2         |
| 49 | Managing carbon fluxes in a peach orchard. <i>Acta Horticulturae</i> , 2021, , 201-206.  | 0.1 | 2         |
| 50 | The effects of calcite silicon-mediated particle film application on leaf temperature and grape composition of Merlot (&lt;i>Vitis vinifera L.&lt;/i>) vines under different irrigation conditions. <i>Oeno One</i> , 2020, 54, 1007-1020. | 0.7 | 2         |
| 51 | DOES DYE INFUSION INDICATE XYLEM FUNCTIONALITY IN KIWIFRUIT?. <i>Acta Horticulturae</i> , 2011, , 353-355.   | 0.1 | 1         |
| 52 | PRELIMINARY EVALUATION OF THE TRANSPIRATION RESPONSE OF YOUNG ACTINIDIA FRUIT TO THE WEATHER. <i>Acta Horticulturae</i> , 2011, , 389-391.   | 0.1 | 1         |
| 53 | CARBON ECONOMY AND MINERAL NUTRITION IN A SUSTAINABLE PEACH ORCHARD. <i>Acta Horticulturae</i> , 2015, , 533-538.  | 0.1 | 1         |
| 54 | Seasonal irrigation volumes and water footprint in a Mediterranean peach orchard. <i>Acta Horticulturae</i> , 2017, , 349-354.   | 0.1 | 1         |

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|----|---|-----|-----------|
| 55 | Multifunctional peri-urban agriculture: some ecosystem services of a sustainable olive grove. <i>Acta Horticulturae</i> , 2018, , 21-26.  | 0.1 | 1         |
| 56 | SUSTAINABLE APRICOT ORCHARD MANAGEMENT TO IMPROVE SOIL FERTILITY AND WATER USE EFFICIENCY. <i>Acta Horticulturae</i> , 2010, , 419-424.   | 0.1 | 1         |
| 57 | EFFECTS OF MYCORRHIZAS ON HYDRAULIC CONDUCTIVITY IN MICROGRAFTED MYROBOLAN 29C ROOTSTOCKS. <i>Acta Horticulturae</i> , 2012, , 235-240.   | 0.1 | 1         |
| 58 | Integrated life-cycle assessment in sustainable and conventional apricot orchards in southern Italy. <i>Acta Horticulturae</i> , 2018, , 77-82.   | 0.1 | 1         |
| 59 | FRUIT CALCIUM CONTENT IN RELATION TO PHENOLIC COMPOUNDS IN STALK AND BERRY OF YOUNG DEVELOPING FRUITS OF ACTINIDIA DELICIOSA VAR. DELICIOSA. <i>Acta Horticulturae</i> , 2007, , 453-458. | 0.1 | 0         |
| 60 | GROWTH AND MINERAL UPTAKE IN MICROPROPAGATED MYROBOLAN 29C PLANTS INOCULATED WITH MYCORRHIZAS AND BIO-CONTROL MICROORGANISMS. <i>Acta Horticulturae</i> , 2012, , 229-234.                | 0.1 | 0         |
| 61 | PRELIMINARY ASSESSMENT OF ABA CONCENTRATION IN ROOTS OF DRIP IRRIGATED PEACH TREES. <i>Acta Horticulturae</i> , 2015, , 555-559.  | 0.1 | 0         |
| 62 | Does irrigation method affect both root physiology and orchard ecology?. <i>Acta Horticulturae</i> , 2017, , 273-280.   | 0.1 | 0         |
| 63 | Fruit mineral content of apricot and kiwifruit in relation to transpiration. <i>Acta Horticulturae</i> , 2017, , 295-300.   | 0.1 | 0         |
| 64 | Water and carbon economy in sustainable orchards in Mediterranean environments. <i>Acta Horticulturae</i> , 2018, , 391-396.  | 0.1 | 0         |
| 65 | A preliminary assessment of green areas of Matera city and their potential role in climate change. <i>Acta Horticulturae</i> , 2018, , 45-48.   | 0.1 | 0         |
| 66 | TRANSPIRATION AND CALCIUM ACCUMULATION IN APRICOT FRUIT. <i>Acta Horticulturae</i> , 2010, , 429-432.   | 0.1 | 0         |
| 67 | A PRELIMINARY ASSESSMENT OF CARBON DIOXIDE EMISSIONS FROM APRICOT ORCHARD SOILS. <i>Acta Horticulturae</i> , 2010, , 433-438.   | 0.1 | 0         |
| 68 | FRUIT MICROENVIRONMENT AND FRUIT TRANSPIRATION: IMPLICATIONS FOR FRUIT QUALITY TRAITS. <i>Acta Horticulturae</i> , 2014, , 171-176.   | 0.1 | 0         |
| 69 | Innovation in grapevine water status monitoring and drought adaptation: leaf angle and temperature regulation. <i>BIO Web of Conferences</i> , 2022, 44, 05002.                           | 0.1 | 0         |