

Maria Fernanda Ortuño

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

3,766
citations

159358

30
h-index

128067

60
g-index

60
all docs

60
docs citations

60
times ranked

4116
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Control of Substrate Water Availability Using Soil Sensors and Effects of Water Deficit on the Morphology and Physiology of Potted <i>Hebe andersonii</i> . <i>Agronomy</i> , 2022, 12, 206. | 1.3 | 6 |
| 2 | Tolerance and Recovery Capacity to Reclaimed Wastewater Irrigation of <i>Salvia officinalis</i> and <i>Asteriscus maritimus</i> Plants Inoculated with Arbuscular Mycorrhizae. <i>Horticulturae</i> , 2022, 8, 159. | 1.2 | 1 |
| 3 | Substrate composition affects the development of water stress and subsequent recovery by inducing physiological changes in <i>Cistus albidus</i> plants. <i>Plant Physiology and Biochemistry</i> , 2021, 158, 125-135. | 2.8 | 6 |
| 4 | Recycled Wastewater and Reverse Osmosis Brine Use for Halophytes Irrigation: Differences in Physiological, Nutritional and Hormonal Responses of <i>Crithmum maritimum</i> and <i>Atriplex halimus</i> Plants. <i>Agronomy</i> , 2021, 11, 627. | 1.3 | 12 |
| 5 | Effect of <i>Pisolithus tinctorius</i> on Physiological and Hormonal Traits in <i>Cistus</i> Plants to Water Deficit: Relationships among Water Status, Photosynthetic Activity and Plant Quality. <i>Plants</i> , 2021, 10, 976. | 1.6 | 3 |
| 6 | Assessment of soil salinity indexes using electrical conductivity sensors. <i>Scientia Horticulturae</i> , 2021, 285, 110171. | 1.7 | 21 |
| 7 | Assessment of the Combined Effect of Temperature and Salinity on the Outputs of Soil Dielectric Sensors in Coconut Fiber. <i>Sustainability</i> , 2020, 12, 6577. | 1.6 | 6 |
| 8 | Influence of mycorrhizal or microbial complex inoculation on <i>laurustinus</i> plants irrigated with reclaimed water. <i>Journal of Horticultural Science and Biotechnology</i> , 2020, 95, 661-672. | 0.9 | 3 |
| 9 | Influence of Mixed Substrate and Arbuscular Mycorrhizal Fungi on Photosynthetic Efficiency, Nutrient and Water Status and Yield in Tomato Plants Irrigated with Saline Reclaimed Waters. <i>Water (Switzerland)</i> , 2020, 12, 438. | 1.2 | 11 |
| 10 | Deficit irrigation as a strategy to control growth in ornamental plants and enhance their ability to adapt to drought conditions. <i>Journal of Horticultural Science and Biotechnology</i> , 2019, 94, 137-150. | 0.9 | 32 |
| 11 | The use of reclaimed water is a viable and safe strategy for the irrigation of myrtle plants in a scenario of climate change. <i>Water Science and Technology: Water Supply</i> , 2019, 19, 1741-1747. | 1.0 | 2 |
| 12 | Controlling salt flushing using a salinity index obtained by soil dielectric sensors improves the physiological status and quality of potted <i>hydrangea</i> plant. <i>Scientia Horticulturae</i> , 2019, 247, 335-343. | 1.7 | 7 |
| 13 | Mycorrhizal inoculation on compost substrate affects nutritional balance, water uptake and photosynthetic efficiency in <i>Cistus albidus</i> plants submitted to water stress. <i>Revista Brasileira De Botanica</i> , 2018, 41, 299-310. | 0.5 | 21 |
| 14 | Effectiveness of bacterial inoculation in alleviation of salinity on water status, mineral content, gas exchange and photosynthetic parameters of <i>Viburnum tinus</i> L. plants. <i>Scientia Horticulturae</i> , 2018, 237, 303-310. | 1.7 | 5 |
| 15 | Plant Responses to Salt Stress: Adaptive Mechanisms. <i>Agronomy</i> , 2017, 7, 18. | 1.3 | 872 |
| 16 | Changes in growth, physiological parameters and the hormonal status of <i>Myrtus communis</i> L. plants irrigated with water with different chemical compositions. <i>Journal of Plant Physiology</i> , 2016, 191, 12-21. | 1.6 | 25 |
| 17 | Protective effects of <i>Glomus iranicum</i> var. <i>tenuihypharum</i> on soil and <i>Viburnum tinus</i> plants irrigated with treated wastewater under field conditions. <i>Mycorrhiza</i> , 2015, 25, 399-409. | 1.3 | 20 |
| 18 | Stem water potential estimation of drip-irrigated early-maturing peach trees under Mediterranean conditions. <i>Computers and Electronics in Agriculture</i> , 2015, 114, 7-13. | 3.7 | 55 |

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|----|--|-----|-----------|
| 19 | Mycorrhizal euonymus plants and reclaimed water: Biomass, water status and nutritional responses. <i>Scientia Horticulturae</i> , 2015, 186, 61-69. | 1.7 | 35 |
| 20 | Sensitivity of thermal imaging and infrared thermometry to detect water status changes in <i>Euonymus japonica</i> plants irrigated with saline reclaimed water. <i>Biosystems Engineering</i> , 2015, 133, 21-32. | 1.9 | 28 |
| 21 | Influence of arbuscular mycorrhizal fungi and treated wastewater on water relations and leaf structure alterations of <i>Viburnum tinus</i> L. plants during both saline and recovery periods. <i>Journal of Plant Physiology</i> , 2015, 188, 96-105. | 1.6 | 22 |
| 22 | Daily Photosynthesis, Water Relations, and Ion Concentrations of <i>Euonymus</i> Irrigated with Treated Wastewater. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2014, 49, 1292-1297. | 0.5 | 6 |
| 23 | Physiological mechanisms involved in the recovery of euonymus and laurustinus subjected to saline waters. <i>Agricultural Water Management</i> , 2013, 128, 131-139. | 2.4 | 26 |
| 24 | Water relations, nutrient content and developmental responses of <i>Euonymus</i> plants irrigated with water of different degrees of salinity and quality. <i>Journal of Plant Research</i> , 2013, 126, 567-576. | 1.2 | 40 |
| 25 | Diurnal variations in water relations of deficit irrigated lemon trees during fruit growth period. <i>Spanish Journal of Agricultural Research</i> , 2013, 11, 137. | 0.3 | 11 |
| 26 | Grapevine varieties exhibiting differences in stomatal response to water deficit. <i>Functional Plant Biology</i> , 2012, 39, 179. | 1.1 | 118 |
| 27 | Efficiency of a new strategy involving a new class of natural heteroâ€œligand iron(III) chelates (Fe(III)â€œNHL) to improve fruit tree growth in alkaline/calcareous soils. <i>Journal of the Science of Food and Agriculture</i> , 2012, 92, 3065-3071. | 1.7 | 5 |
| 28 | Plant water relations of leaves of pomegranate trees under different irrigation conditions. <i>Environmental and Experimental Botany</i> , 2012, 77, 19-24. | 2.0 | 64 |
| 29 | Seasonal changes of maximum daily shrinkage reference equations for irrigation scheduling in olive trees: Influence of fruit load. <i>Agricultural Water Management</i> , 2011, 99, 121-127. | 2.4 | 17 |
| 30 | Using trunk diameter sensors for regulated deficit irrigation scheduling in early maturing peach trees. <i>Environmental and Experimental Botany</i> , 2011, 71, 409-409. | 2.0 | 37 |
| 31 | Establishing maximum daily trunk shrinkage and midday stem water potential reference equations for irrigation scheduling of early maturing peach trees. <i>Irrigation Science</i> , 2011, 29, 299-309. | 1.3 | 26 |
| 32 | Iron deficiency enhances bioactive phenolics in lemon juice. <i>Journal of the Science of Food and Agriculture</i> , 2011, 91, n/a-n/a. | 1.7 | 15 |
| 33 | Initial water deficit effects on <i>Lupinus albus</i> photosynthetic performance, carbon metabolism, and hormonal balance: metabolic reorganization prior to early stress responses. <i>Journal of Experimental Botany</i> , 2011, 62, 4965-4974. | 2.4 | 33 |
| 34 | Mechanisms for drought resistance in early maturing cvar Flordastar peach trees. <i>Journal of Agricultural Science</i> , 2011, 149, 609-616. | 0.6 | 33 |
| 35 | Could trunk diameter sensors be used in woody crops for irrigation scheduling? A review of current knowledge and future perspectives. <i>Agricultural Water Management</i> , 2010, 97, 1-11. | 2.4 | 156 |
| 36 | Influence of crop load on maximum daily trunk shrinkage reference equations for irrigation scheduling of early maturing peach trees. <i>Agricultural Water Management</i> , 2010, 97, 333-338. | 2.4 | 28 |

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|----|--|-----|-----------|
| 37 | New approach for olive trees irrigation scheduling using trunk diameter sensors. <i>Agricultural Water Management</i> , 2010, 97, 1822-1828. | 2.4 | 43 |
| 38 | Maximum daily trunk shrinkage and stem water potential reference equations for irrigation scheduling of lemon trees. <i>Irrigation Science</i> , 2009, 27, 121-127. | 1.3 | 50 |
| 39 | Using continuously recorded trunk diameter fluctuations for estimating water requirements of lemon trees. <i>Irrigation Science</i> , 2009, 27, 271-276. | 1.3 | 23 |
| 40 | Assessment of maximum daily trunk shrinkage signal intensity threshold values for deficit irrigation in lemon trees. <i>Agricultural Water Management</i> , 2009, 96, 80-86. | 2.4 | 24 |
| 41 | Analysis of carbohydrates in <i>Lupinus albus</i> stems on imposition of water deficit, using porous graphitic carbon liquid chromatography-electrospray ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1187, 111-118. | 1.8 | 58 |
| 42 | Erratum to "Analysis of carbohydrates in <i>Lupinus albus</i> stems on imposition of water deficit, using porous graphitic carbon liquid chromatography-electrospray ionization mass spectrometry" [<i>J. Chromatogr. A</i> 1187 (2008) 111-118]. <i>Journal of Chromatography A</i> , 2008, 1201, 132. | 1.8 | 3 |
| 43 | Environmental and stomatal control of transpiration, canopy conductance and decoupling coefficient in young lemon trees under shading net. <i>Environmental and Experimental Botany</i> , 2008, 63, 200-206. | 2.0 | 56 |
| 44 | Acclimation to short-term low temperatures in two <i>Eucalyptus globulus</i> clones with contrasting drought resistance. <i>Tree Physiology</i> , 2008, 29, 77-86. | 1.4 | 37 |
| 45 | Preliminary assessment of the feasibility of using maximum daily trunk shrinkage for irrigation scheduling in lemon trees. <i>Agricultural Water Management</i> , 2007, 89, 167-171. | 2.4 | 44 |
| 46 | Mesophyll conductance to CO ₂ in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2007, 175, 501-511. | 3.5 | 138 |
| 47 | Deficit Irrigation as a Strategy to Save Water: Physiology and Potential Application to Horticulture. <i>Journal of Integrative Plant Biology</i> , 2007, 49, 1421-1434. | 4.1 | 313 |
| 48 | Deficit irrigation in grapevine improves water-use efficiency while controlling vigour and production quality. <i>Annals of Applied Biology</i> , 2007, 150, 237-252. | 1.3 | 396 |
| 49 | Water status indicators of lemon trees in response to flooding and recovery. <i>Biologia Plantarum</i> , 2007, 51, 292-296. | 1.9 | 30 |
| 50 | Improving water-use efficiency of young lemon trees by shading with aluminised-plastic nets. <i>Agricultural Water Management</i> , 2006, 82, 387-398. | 2.4 | 39 |
| 51 | Relationships Between Climatic Variables and Sap Flow, Stem Water Potential and Maximum Daily Trunk Shrinkage in Lemon Trees. <i>Plant and Soil</i> , 2006, 279, 229-242. | 1.8 | 76 |
| 52 | Stem and leaf water potentials, gas exchange, sap flow, and trunk diameter fluctuations for detecting water stress in lemon trees. <i>Trees - Structure and Function</i> , 2006, 20, 1-8. | 0.9 | 106 |
| 53 | Effects of NaCl salinity and water stress on growth and leaf water relations of plants. <i>Environmental and Experimental Botany</i> , 2005, 53, 113-123. | 2.0 | 139 |
| 54 | Sap flow and trunk diameter fluctuations of young lemon trees under water stress and rewatering. <i>Environmental and Experimental Botany</i> , 2005, 54, 155-162. | 2.0 | 44 |

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|----|---|-----|-----------|
| 55 | Compensation heat-pulse measurements of sap flow for estimating transpiration in young lemon trees. <i>Biologia Plantarum</i> , 2005, 49, 527-532. | 1.9 | 29 |
| 56 | Spatial root distribution of apricot trees in different soil tillage practices. <i>Plant and Soil</i> , 2005, 272, 211-221. | 1.8 | 55 |
| 57 | Evaluation of transpiration in adult apricot trees from sap flow measurements. <i>Agricultural Water Management</i> , 2005, 72, 131-145. | 2.4 | 42 |
| 58 | Comparison of continuously recorded plant-based water stress indicators for young lemon trees. <i>Plant and Soil</i> , 2004, 267, 263-270. | 1.8 | 37 |
| 59 | Interpreting trunk diameter changes in young lemon trees under deficit irrigation. <i>Plant Science</i> , 2004, 167, 275-280. | 1.7 | 59 |
| 60 | Comparative growth and water relations of <i>Cistus albidus</i> and <i>Cistus monspeliensis</i> plants during water deficit conditions and recovery. <i>Plant Science</i> , 2002, 162, 107-113. | 1.7 | 117 |