

Alejandro PÃ©rez Pastor

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1806337/publications.pdf>

Version: 2024-02-01

52
papers

1,589
citations

257357

24
h-index

302012

39
g-index

53
all docs

53
docs citations

53
times ranked

1301
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | Water stress preconditioning to improve drought resistance in young apricot plants. <i>Plant Science</i> , 2000, 156, 245-251. | 1.7 | 94 |
| 3 | Effect of deficit irrigation on apricot fruit quality at harvest and during storage. <i>Journal of the Science of Food and Agriculture</i> , 2007, 87, 2409-2415. | 1.7 | 93 |
| 4 | Comparison of changes in stem diameter and water potential values for detecting water stress in young almond trees. <i>Agricultural Water Management</i> , 2005, 77, 296-307. | 2.4 | 70 |
| 5 | Response of apricot trees to deficit irrigation strategies. <i>Irrigation Science</i> , 2009, 27, 231-242. | 1.3 | 70 |
| 6 | Effects of timing and intensity of deficit irrigation on vegetative and fruit growth of apricot trees. <i>Agricultural Water Management</i> , 2014, 134, 110-118. | 2.4 | 65 |
| 7 | Modelling the Effect of Fruit Growth on Surface Conductance to Water Vapour Diffusion. <i>Annals of Botany</i> , 2005, 95, 673-683. | 1.4 | 59 |
| 8 | Remote management of deficit irrigation in almond trees based on maximum daily trunk shrinkage. Water relations and yield. <i>Agricultural Water Management</i> , 2013, 126, 33-45. | 2.4 | 55 |
| 9 | Almond agronomic response to long-term deficit irrigation applied since orchard establishment. <i>Irrigation Science</i> , 2013, 31, 445-454. | 1.3 | 55 |
| 10 | Physiological responses of apricot plants grafted on two different rootstocks to flooding conditions. <i>Journal of Plant Physiology</i> , 2002, 159, 725-732. | 1.6 | 52 |
| 11 | Soil and plant water indicators for deficit irrigation management of field-grown sweet cherry trees. <i>Agricultural Water Management</i> , 2018, 208, 83-94. | 2.4 | 48 |
| 12 | Growth and phenological stages of BÃ©lida apricot trees in south-east Spain. <i>Agronomy for Sustainable Development</i> , 2004, 24, 93-100. | 0.8 | 47 |
| 13 | Efficient irrigation management can contribute to reduce soil CO2 emissions in agriculture. <i>Geoderma</i> , 2016, 263, 70-77. | 2.3 | 42 |
| 14 | Post-veraison deficit irrigation regimes enhance berry coloration and health-promoting bioactive compounds in â€œCrimson Seedlessâ€ table grapes. <i>Agricultural Water Management</i> , 2016, 163, 9-18. | 2.4 | 41 |
| 15 | Implementing deficit irrigation scheduling through plant water stress indicators in early nectarine trees. <i>Agricultural Water Management</i> , 2015, 152, 207-216. | 2.4 | 40 |
| 16 | Vegetative and reproductive response of â€œPrime Giantâ€ sweet cherry trees to regulated deficit irrigation. <i>Scientia Horticulturae</i> , 2019, 249, 478-489. | 1.7 | 40 |
| 17 | Gas exchange and water relations of young apricot plants under drought conditions. <i>Journal of Agricultural Science</i> , 1999, 132, 445-452. | 0.6 | 39 |
| 18 | Usefulness of establishing trunk diameter based reference lines for irrigation scheduling in almond trees. <i>Irrigation Science</i> , 2009, 27, 431-441. | 1.3 | 39 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Changes induced by water stress on water relations, stomatal behaviour and morphology of table grapes (cv. Crimson Seedless) grown in pots. <i>Scientia Horticulturae</i> , 2016, 202, 9-16. | 1.7 | 37 |
| 20 | Feasibility of using trunk diameter fluctuation and stem water potential reference lines for irrigation scheduling of early nectarine trees. <i>Agricultural Water Management</i> , 2013, 126, 133-141. | 2.4 | 34 |
| 21 | Greenhouse gas emissions and soil organic matter dynamics in woody crop orchards with different irrigation regimes. <i>Science of the Total Environment</i> , 2018, 644, 1429-1438. | 3.9 | 34 |
| 22 | Combined effects of deficit irrigation and crop level on early nectarine trees. <i>Agricultural Water Management</i> , 2016, 170, 120-132. | 2.4 | 33 |
| 23 | Long-term impact of deficit irrigation on the physical quality of berries in "Crimson Seedless"™ table grapes. <i>Journal of the Science of Food and Agriculture</i> , 2015, 95, 2510-2520. | 1.7 | 28 |
| 24 | A new approach to ascertain the sensitivity to water stress of different plant water indicators in extra-early nectarine trees. <i>Scientia Horticulturae</i> , 2014, 169, 147-153. | 1.7 | 26 |
| 25 | Effects of deficit irrigation applied during fruit growth period of late mandarin trees on harvest quality, cold storage and subsequent shelf-life. <i>Scientia Horticulturae</i> , 2014, 165, 344-351. | 1.7 | 26 |
| 26 | REGULATED DEFICIT IRRIGATION IN APRICOT TREES. <i>Acta Horticulturae</i> , 2000, , 759-766. | 0.1 | 25 |
| 27 | Effects of soil and climate in a table grape vineyard with cover crops. Irrigation management using sensors networks. <i>Ciencia E Tecnica Vitivinicola</i> , 2017, 32, 72-81. | 0.3 | 24 |
| 28 | Daily variations in water relations of apricot trees under different irrigation regimes. <i>Biologia Plantarum</i> , 2007, 51, 735-740. | 1.9 | 23 |
| 29 | Comparative study on postharvest performance of nectarines grown under regulated deficit irrigation. <i>Postharvest Biology and Technology</i> , 2015, 110, 24-32. | 2.9 | 21 |
| 30 | Maximum daily trunk shrinkage and stem water potential reference equations for irrigation scheduling in table grapes. <i>Agricultural Water Management</i> , 2016, 172, 51-61. | 2.4 | 21 |
| 31 | Suitability of trunk diameter reference lines for irrigation scheduling with saline water in late mandarin trees with different crop load. <i>Agricultural Water Management</i> , 2012, 111, 11-19. | 2.4 | 19 |
| 32 | Effects of water deficit and salinity stress on late mandarin trees. <i>Science of the Total Environment</i> , 2022, 803, 150109. | 3.9 | 18 |
| 33 | Early morning fluctuations in trunk diameter are highly sensitive to water stress in nectarine trees. <i>Irrigation Science</i> , 2016, 34, 117-128. | 1.3 | 12 |
| 34 | Using band dendrometers in irrigation scheduling. <i>Agricultural Water Management</i> , 2014, 142, 29-37. | 2.4 | 11 |
| 35 | Physiological response of post-veraison deficit irrigation strategies and growth patterns of table grapes (cv. Crimson Seedless). <i>Agricultural Water Management</i> , 2018, 208, 363-372. | 2.4 | 11 |
| 36 | Irrigation Protocols in Different Water Availability Scenarios for "Crimson Seedless"™ Table Grapes under Mediterranean Semi-Arid Conditions. <i>Water (Switzerland)</i> , 2021, 13, 22. | 1.2 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Soil Water Content Prediction Using Electrical Resistivity Tomography (ERT) in Mediterranean Tree Orchard Soils. <i>Sensors</i> , 2022, 22, 1365. | 2.1 | 10 |
| 38 | Deficit irrigation in commercial mandarin trees: water relations, yield and quality responses at harvest and after cold storage. <i>Spanish Journal of Agricultural Research</i> , 2018, 16, e1201. | 0.3 | 9 |
| 39 | Sensitivity to water deficit of the second stage of fruit growth in late mandarin trees. <i>Irrigation Science</i> , 2023, 41, 35-47. | 1.3 | 8 |
| 40 | Influence of Plant Biostimulant as Technique to Harden Citrus Nursery Plants before Transplanting to the Field. <i>Sustainability</i> , 2020, 12, 6190. | 1.6 | 6 |
| 41 | SAP FLOW, TRUNK DIAMETER AND PLANT-WATER RELATIONS PARAMETERS AS STRESS INDICATORS OF APRICOT TREES. <i>Acta Horticulturae</i> , 2004, , 575-582. | 0.1 | 6 |
| 42 | Irriman Platform: Enhancing Farming Sustainability through Cloud Computing Techniques for Irrigation Management. <i>Sensors</i> , 2022, 22, 228. | 2.1 | 6 |
| 43 | Individual Phenolics and Enzymatic Changes in Response to Regulated Deficit Irrigation of Extra-early Nectarines. <i>Journal of the American Society for Horticultural Science</i> , 2016, 141, 222-232. | 0.5 | 5 |
| 44 | Combined effects of deficit irrigation and fresh-cut processing on quality and bioactive compounds of nectarines. <i>Zahradnictvi (Prague, Czech Republic: 1992)</i> , 2015, 42, 125-131. | 0.3 | 4 |
| 45 | Assessment of the Type of Deficit Irrigation Applied during Berry Development in â€œCrimson Seedlessâ€™ Table Grapes. <i>Water (Switzerland)</i> , 2022, 14, 1311. | 1.2 | 4 |
| 46 | Modelling the Impact of Water Stress during Post-Veraison on Berry Quality of Table Grapes. <i>Agronomy</i> , 2022, 12, 1416. | 1.3 | 2 |
| 47 | REGULATED DEFICIT IRRIGATION IN 'FORTUNE' MANDARIN TREES IMPROVES THE FRUIT QUALITY AT HARVEST AND DURING STORAGE. <i>Acta Horticulturae</i> , 2011, , 155-161. | 0.1 | 1 |
| 48 | GROWTH PATTERN OF Â‘BÃSLIDAÂ’ APRICOT TREES IN MEDITERRANEAN CONDITIONS. <i>Acta Horticulturae</i> , 2006, , 59-62. | 0.1 | 1 |
| 49 | The timing of irrigation modifies the sensitivity to water stress of plant water indices derived from trunk diameter fluctuation in extra early nectarine trees. <i>Acta Horticulturae</i> , 2017, , 75-82. | 0.1 | 0 |
| 50 | Different irrigation regimes affect xylem ABA concentrations and the physical berry quality of table grapes at harvest and during postharvest life. <i>Acta Horticulturae</i> , 2017, , 449-456. | 0.1 | 0 |
| 51 | Energy Efficiency Applied to Irrigation Strategies for a Sustainable Agriculture in the Mediterranean Area. , 2017, , . | | 0 |
| 52 | Effect of deficit irrigation during the oil synthesis period on carbohydrate content in olive â€œArbequinaâ€™ hedgerows. <i>Acta Horticulturae</i> , 2018, , 75-80. | 0.1 | 0 |