

Lorenzo LeÃ³n

List of Publications by Year in descending order

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97
papers

2,693
citations

159525

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47
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97
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docs citations

97
times ranked

2386
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Quantification of dwarfing effect of different rootstocks in 'Picual'™ olive cultivar using UAV-photogrammetry. <i>Precision Agriculture</i> , 2022, 23, 178-193. | 3.1 | 8 |
| 2 | Enhancing the sustainability of Mediterranean olive groves through adaptation measures to climate change using modelling and response surfaces. <i>Agricultural and Forest Meteorology</i> , 2022, 313, 108742. | 1.9 | 6 |
| 3 | Seedling Selection in Olive Breeding Progenies. <i>Plants</i> , 2022, 11, 1195. | 1.6 | 5 |
| 4 | Floral Quality Characterization in Olive Progenies from Reciprocal Crosses. <i>Plants</i> , 2022, 11, 1285. | 1.6 | 1 |
| 5 | Chemical components influencing oxidative stability and sensorial properties of extra virgin olive oil and effect of genotype and location on their expression. <i>LWT - Food Science and Technology</i> , 2021, 136, 110257. | 2.5 | 21 |
| 6 | A fruit growth approach to estimate oil content in olives. <i>European Journal of Agronomy</i> , 2021, 123, 126206. | 1.9 | 11 |
| 7 | A new approach for early selection of short juvenile period in olive progenies. <i>Scientia Horticulturae</i> , 2021, 281, 109993. | 1.7 | 5 |
| 8 | Verticillium wilt resistant and susceptible olive cultivars express a very different basal set of genes in roots. <i>BMC Genomics</i> , 2021, 22, 229. | 1.2 | 11 |
| 9 | Phenolic variability in fruit from the 'Arbequina'™ olive cultivar under Mediterranean and Subtropical climatic conditions. <i>Grasas Y Aceites</i> , 2021, 72, e438. | 0.3 | 5 |
| 10 | Differences on flowering phenology under Mediterranean and Subtropical environments for two representative olive cultivars. <i>Environmental and Experimental Botany</i> , 2020, 180, 104239. | 2.0 | 18 |
| 11 | Nucleotide diversity analysis of candidate genes for Verticillium wilt resistance in olive. <i>Scientia Horticulturae</i> , 2020, 274, 109653. | 1.7 | 6 |
| 12 | Genetic and Environmental Effect on Volatile Composition of Extra Virgin Olive Oil. <i>European Journal of Lipid Science and Technology</i> , 2020, 122, 2000162. | 1.0 | 5 |
| 13 | EST-SNP Study of <i>Olea europaea</i> L. Uncovers Functional Polymorphisms between Cultivated and Wild Olives. <i>Genes</i> , 2020, 11, 916. | 1.0 | 15 |
| 14 | Genotype by environment interaction for oil quality components in olive tree. <i>European Journal of Agronomy</i> , 2020, 119, 126115. | 1.9 | 20 |
| 15 | SILVOLIVE, a Germplasm Collection of Wild Subspecies With High Genetic Variability as a Source of Rootstocks and Resistance Genes for Olive Breeding. <i>Frontiers in Plant Science</i> , 2020, 11, 629. | 1.7 | 21 |
| 16 | Evaluation of early vigor traits in wild olive germplasm. <i>Scientia Horticulturae</i> , 2020, 264, 109157. | 1.7 | 6 |
| 17 | Phenological diversity in a World Olive Germplasm Bank: Potential use for breeding programs and climate change studies. <i>Spanish Journal of Agricultural Research</i> , 2020, 18, e0701. | 0.3 | 15 |
| 18 | Evaluation of the Phytopathological Reaction of Wild and Cultivated Olives as a Means of Finding Promising New Sources of Genetic Diversity for Resistance to Root-Knot Nematodes. <i>Plant Disease</i> , 2019, 103, 2559-2568. | 0.7 | 9 |

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|----|--|-----|-----------|
| 19 | Analysis of Olive (<i>Olea Europaea</i> L.) Genetic Resources in Relation to the Content of Vitamin E in Virgin Olive Oil. <i>Antioxidants</i> , 2019, 8, 242. | 2.2 | 21 |
| 20 | Genotype, environment and their interaction effects on olive tree flowering phenology and flower quality. <i>Euphytica</i> , 2019, 215, 1. | 0.6 | 21 |
| 21 | Multi-environment evaluation of oil accumulation pattern parameters in olive. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 485-494. | 2.8 | 26 |
| 22 | Plasticity of fruit and oil traits in olive among different environments. <i>Scientific Reports</i> , 2019, 9, 16968. | 1.6 | 38 |
| 23 | GC-QTOF-MS as valuable tool to evaluate the influence of cultivar and sample time on olive leaves triterpenic components. <i>Food Research International</i> , 2019, 115, 219-226. | 2.9 | 21 |
| 24 | A survey of ethanol content in virgin olive oil. <i>Food Control</i> , 2018, 91, 248-253. | 2.8 | 16 |
| 25 | Evaluation of olive response and adaptation strategies to climate change under semi-arid conditions. <i>Agricultural Water Management</i> , 2018, 204, 247-261. | 2.4 | 44 |
| 26 | Flowering phenology and flower quality of cultivars "Arbequina"™, "Koroneiki"™ and "Picual"™ in different environments of southern Spain. <i>Acta Horticulturae</i> , 2018, , 257-262. | 0.1 | 4 |
| 27 | Using Wild Olives in Breeding Programs: Implications on Oil Quality Composition. <i>Frontiers in Plant Science</i> , 2018, 9, 232. | 1.7 | 33 |
| 28 | Fruit Phenolic Profiling: A New Selection Criterion in Olive Breeding Programs. <i>Frontiers in Plant Science</i> , 2018, 9, 241. | 1.7 | 29 |
| 29 | Assessment of olive diversity for metabolites associated with the nutritional and sensory quality of virgin olive oil. <i>Acta Horticulturae</i> , 2018, , 517-522. | 0.1 | 0 |
| 30 | New olive cultivars and selections in Spain: results after 25 years of breeding. <i>Acta Horticulturae</i> , 2018, , 21-26. | 0.1 | 8 |
| 31 | Mapping quantitative trait loci controlling fatty acid composition in olive. <i>Euphytica</i> , 2017, 213, 1. | 0.6 | 16 |
| 32 | Impact of changes in mean and extreme temperatures caused by climate change on olive flowering in southern Spain. <i>International Journal of Climatology</i> , 2017, 37, 940-957. | 1.5 | 56 |
| 33 | Tree crown parameters assessment using 3D photo reconstruction as a tool for selection in olive breeding programs. <i>Acta Horticulturae</i> , 2017, , 1-4. | 0.1 | 3 |
| 34 | From Olive Fruits to Olive Oil: Phenolic Compound Transfer in Six Different Olive Cultivars Grown under the Same Agronomical Conditions. <i>International Journal of Molecular Sciences</i> , 2016, 17, 337. | 1.8 | 66 |
| 35 | Early selection for oil quality components in olive breeding progenies. <i>European Journal of Lipid Science and Technology</i> , 2016, 118, 1160-1167. | 1.0 | 38 |
| 36 | Optimal spatial and temporal replications for reducing environmental variation for oil content components and fruit morphology traits in olive breeding. <i>Euphytica</i> , 2016, 207, 675-684. | 0.6 | 15 |

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|----|--|-----|-----------|
| 37 | Assessment of volatile compound profiles and the deduced sensory significance of virgin olive oils from the progeny of Picual—Arbequina cultivars. <i>Journal of Chromatography A</i> , 2016, 1428, 305-315. | 1.8 | 31 |
| 38 | High-Resolution Airborne UAV Imagery to Assess Olive Tree Crown Parameters Using 3D Photo Reconstruction: Application in Breeding Trials. <i>Remote Sensing</i> , 2015, 7, 4213-4232. | 1.8 | 263 |
| 39 | Evaluation of Verticillium wilt resistance in selections from olive breeding crosses. <i>Euphytica</i> , 2015, 206, 619-629. | 0.6 | 22 |
| 40 | Resistance to Verticillium wilt in olive progenies from open-pollination. <i>Scientia Horticulturae</i> , 2015, 185, 34-42. | 1.7 | 29 |
| 41 | Chemometric Analysis for the Evaluation of Phenolic Patterns in Olive Leaves from Six Cultivars at Different Growth Stages. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 1722-1729. | 2.4 | 58 |
| 42 | Pre-breeding for resistance to Verticillium wilt in olive: Fishing in the wild relative gene pool. <i>Crop Protection</i> , 2015, 75, 25-33. | 1.0 | 32 |
| 43 | Pattern of Variation of Fruit Traits and Phenol Content in Olive Fruits from Six Different Cultivars. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10466-10476. | 2.4 | 36 |
| 44 | Initial selection steps in olive breeding programs. <i>Euphytica</i> , 2015, 201, 453-462. | 0.6 | 16 |
| 45 | Relative Susceptibility of New Olive Cultivars to <i>Spillocaea oleagina</i> , <i>Colletotrichum acutatum</i> , and <i>Pseudocercospora cladosporioides</i> . <i>Plant Disease</i> , 2015, 99, 58-64. | 0.7 | 17 |
| 46 | Plasticity in Vegetative Growth over Contrasted Growing Sites of an F1 Olive Tree Progeny during Its Juvenile Phase. <i>PLoS ONE</i> , 2015, 10, e0127539. | 1.1 | 11 |
| 47 | Advanced olive selections with enhanced quality for minor constituents. <i>Grasas Y Aceites</i> , 2015, 66, e100. | 0.3 | 7 |
| 48 | Variability of Virgin Olive Oil Phenolic Compounds in a Segregating Progeny from a Single Cross in <i>Olea europaea</i> L. and Sensory and Nutritional Quality Implications. <i>PLoS ONE</i> , 2014, 9, e92898. | 1.1 | 44 |
| 49 | Selection for Some Olive Oil Quality Components Through the Analysis of Fruit Flesh. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2014, 91, 1731-1736. | 0.8 | 20 |
| 50 | Determination of phenolic compounds of "Sikitita"™ olive leaves by HPLC-DAD-TOF-MS. Comparison with its parents "Arbequina"™ and "Picual"™ olive leaves. <i>LWT - Food Science and Technology</i> , 2014, 58, 28-34. | 2.5 | 134 |
| 51 | Variability and heritability of fruit characters in olive progenies from open-pollination. <i>Scientia Horticulturae</i> , 2014, 169, 94-98. | 1.7 | 16 |
| 52 | Identification of QTL for agronomic traits of importance for olive breeding. <i>Molecular Breeding</i> , 2014, 34, 725. | 1.0 | 31 |
| 53 | VEGETATIVE GROWTH HABIT AND EARLINESS OF BEARING OF DIFFERENT OLIVE CULTIVARS. <i>Acta Horticulturae</i> , 2014, , 411-416. | 0.1 | 1 |
| 54 | SCREENING OF WILD OLIVES FOR VERTICILLIUM WILT RESISTANCE. <i>Acta Horticulturae</i> , 2014, , 559-563. | 0.1 | 1 |

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|----|--|-----|-----------|
| 55 | Agronomic evaluation of seedlings from crosses between the main Spanish olive cultivar "Picual"™ and two wild olive trees. <i>Journal of Horticultural Science and Biotechnology</i> , 2014, 89, 508-512. | 0.9 | 19 |
| 56 | Fruit characteristics and fatty acid composition in advanced olive breeding selections along the ripening period. <i>Food Research International</i> , 2013, 54, 1890-1896. | 2.9 | 40 |
| 57 | Phenolic composition of virgin olive oils in cultivars for narrow hedgerow olive orchards. <i>European Journal of Lipid Science and Technology</i> , 2013, 115, 800-810. | 1.0 | 8 |
| 58 | Changes in squalene and sterols associated with olive maturation. <i>Food Research International</i> , 2013, 54, 1885-1889. | 2.9 | 64 |
| 59 | Female genitor effect on the juvenile period of olive seedlings. <i>Scientia Horticulturae</i> , 2013, 156, 99-105. | 1.7 | 11 |
| 60 | Utility of wild germplasm in olive breeding. <i>Scientia Horticulturae</i> , 2013, 152, 92-101. | 1.7 | 43 |
| 61 | FRUIT AND OIL CHARACTERISTICS OF ADVANCED SELECTIONS FROM AN OLIVE BREEDING PROGRAM. <i>Acta Horticulturae</i> , 2013, , 415-419. | 0.1 | 2 |
| 62 | OVERCOMING JUVENILITY IN AN OLIVE BREEDING PROGRAM. <i>Acta Horticulturae</i> , 2012, , 221-226. | 0.1 | 2 |
| 63 | Reliable and relevant qualitative descriptors for evaluating complex architectural traits in olive progenies. <i>Scientia Horticulturae</i> , 2012, 143, 157-166. | 1.7 | 15 |
| 64 | Virgin olive oil phenolic profile and variability in progenies from olive crosses. <i>Journal of the Science of Food and Agriculture</i> , 2012, 92, 2524-2533. | 1.7 | 24 |
| 65 | Phenolic composition of virgin olive oils from cross breeding segregating populations. <i>European Journal of Lipid Science and Technology</i> , 2012, 114, 542-551. | 1.0 | 20 |
| 66 | Phenolic profile of virgin olive oil from advanced breeding selections. <i>Spanish Journal of Agricultural Research</i> , 2012, 10, 443. | 0.3 | 30 |
| 67 | Variability of wild olives (<i>Olea europaea</i> subsp. <i>europaea</i> var. <i>sylvestris</i>) analyzed by agro-morphological traits and SSR markers. <i>Scientia Horticulturae</i> , 2011, 129, 561-569. | 1.7 | 85 |
| 68 | Early growth habit and vigour parameters in olive seedlings. <i>Scientia Horticulturae</i> , 2011, 129, 761-768. | 1.7 | 17 |
| 69 | Pigment Metabolism of "Sikitita"™ Olive (<i>Olea europaea</i> L.): A New Cultivar Obtained by Cross-Breeding. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 2049-2055. | 2.4 | 10 |
| 70 | ADVANCES IN THE JOINT UCO-IFAPA OLIVE BREEDING PROGRAM (JOBP). <i>Acta Horticulturae</i> , 2011, , 283-290. | 0.1 | 2 |
| 71 | Hydrophilic antioxidants of virgin olive oil. Part 1: Hydrophilic phenols: A key factor for virgin olive oil quality. <i>European Journal of Lipid Science and Technology</i> , 2011, 113, 678-691. | 1.0 | 60 |
| 72 | Oil composition of advanced selections from an olive breeding program. <i>European Journal of Lipid Science and Technology</i> , 2011, 113, 870-875. | 1.0 | 47 |

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|----|---|-----|-----------|
| 73 | Hydrophilic antioxidants of virgin olive oil. Part 2: Biosynthesis and biotransformation of phenolic compounds in virgin olive oil as affected by agronomic and processing factors. <i>European Journal of Lipid Science and Technology</i> , 2011, 113, 692-707. | 1.0 | 71 |
| 74 | Non-destructive assessment of olive fruit ripening by portable near infrared spectroscopy. <i>Grasas Y Aceites</i> , 2011, 62, 268-274. | 0.3 | 36 |
| 75 | Olive seedling first-flowering position and management. <i>Scientia Horticulturae</i> , 2010, 124, 74-77. | 1.7 | 22 |
| 76 | Morphological and anatomical evaluation of adult and juvenile leaves of olive plants. <i>Trees - Structure and Function</i> , 2009, 23, 181-187. | 0.9 | 22 |
| 77 | MORPHOLOGICAL AND HISTOLOGICAL CHARACTERISTICS RELATED WITH PHASE CHANGE (JUVENILE/ADULT) IN OLIVE LEAVES AND ITS DETERMINATION BY NEAR INFRARED REFLECTANCE SPECTROSCOPY. <i>Acta Horticulturae</i> , 2009, , 449-452. | 0.1 | 1 |
| 78 | Fatty acid composition of advanced olive selections obtained by crossbreeding. <i>Journal of the Science of Food and Agriculture</i> , 2008, 88, 1921-1926. | 1.7 | 56 |
| 79 | Ripening time and fruit characteristics of advanced olive selections for oil production. <i>Australian Journal of Agricultural Research</i> , 2008, 59, 46. | 1.5 | 27 |
| 80 | SEEDLING HEIGHT AS A PRE-SELECTION CRITERION FOR SHORT JUVENILE PERIOD IN OLIVE SEEDLINGS. <i>Acta Horticulturae</i> , 2008, , 61-64. | 0.1 | 0 |
| 81 | CALIBRATION TRANSFER BETWEEN PORTABLE AND LABORATORY NIR SPECTROPHOTOMETERS. <i>Acta Horticulturae</i> , 2008, , 373-378. | 0.1 | 10 |
| 82 | High Susceptibility of Olive Cultivar FS-17 to <i>Alternaria alternata</i> in Southern Spain. <i>Plant Disease</i> , 2008, 92, 1252-1252. | 0.7 | 18 |
| 83 | â€˜Chiquititaâ€™ Olive. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2008, 43, 529-531. | 0.5 | 77 |
| 84 | MODELING FOR METABONOMIC FINGERPRINT ASSIGNMENT IN OLIVE FRUITS. <i>Acta Horticulturae</i> , 2008, , 393-400. | 0.1 | 0 |
| 85 | Preliminary results of an olive cultivar trial at high density. <i>Australian Journal of Agricultural Research</i> , 2007, 58, 392. | 1.5 | 51 |
| 86 | Breeding for Early Bearing in Olive. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2007, 42, 499-502. | 0.5 | 50 |
| 87 | Influence of spacing on the initial production of hedgerow â€˜Arbequinaâ€™ olive orchards. <i>Spanish Journal of Agricultural Research</i> , 2007, 5, 554. | 0.3 | 35 |
| 88 | Seedling vigour as a preselection criterion for short juvenile period in olive breeding. <i>Australian Journal of Agricultural Research</i> , 2006, 57, 477. | 1.5 | 48 |
| 89 | Preliminary studies by visible and near-infrared reflectance spectroscopy of juvenile and adult olive (<i>Olea europaea</i> L.) leaves. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 999-1004. | 1.7 | 36 |
| 90 | Selection for fruit removal force and related characteristics in olive breeding progenies. <i>Australian Journal of Experimental Agriculture</i> , 2005, 45, 1643. | 1.0 | 10 |

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|----|---|-----|-----------|
| 91 | Detection of Apple Juice Adulteration Using Near-Infrared Transflectance Spectroscopy. <i>Applied Spectroscopy</i> , 2005, 59, 593-599. | 1.2 | 80 |
| 92 | TEN YEARS OF OLIVE BREEDING IN CÁRDABA (SPAIN). <i>Acta Horticulturae</i> , 2004, , 747-750. | 0.1 | 1 |
| 93 | Variability and early selection on the seedling stage for agronomic traits in progenies from olive crosses. <i>Plant Breeding</i> , 2004, 123, 73-78. | 1.0 | 38 |
| 94 | Parent and Harvest Year Effects on Near-Infrared Reflectance Spectroscopic Analysis of Olive (<i>Olea</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 2.4 | 43 |
| 95 | Variability of fatty acid composition in olive (<i>Olea europaea</i> L.) progenies. <i>Spanish Journal of Agricultural Research</i> , 2004, 2, 353. | 0.3 | 34 |
| 96 | Near-Infrared spectroscopy (NIRS) analysis of intact olive fruit: an useful tool in olive breeding programs. <i>Grasas Y Aceites</i> , 2003, 54, . | 0.3 | 16 |
| 97 | SELECTION ON OLIVE PROGENIES BASED ON EARLINESS OF BEARING AND FRUIT OIL CONTENT. <i>Acta Horticulturae</i> , 2002, , 205-208. | 0.1 | 0 |