

# Lorenzo LeÃ³n

## List of Publications by Year in descending order

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97  
papers

2,693  
citations

159358

30  
h-index

214527

47  
g-index

97  
all docs

97  
docs citations

97  
times ranked

2386  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Detection of Apple Juice Adulteration Using Near-Infrared Transflectance Spectroscopy. <i>Applied Spectroscopy</i> , 2005, 59, 593-599.	1.2	80
5	"Chiquitita"™ Olive. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2008, 43, 529-531.	0.5	77
6	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
7	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
8	Changes in squalene and sterols associated with olive maturation. <i>Food Research International</i> , 2013, 54, 1885-1889.	2.9	64
9	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
10	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
11	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
12	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
13	Preliminary results of an olive cultivar trial at high density. <i>Australian Journal of Agricultural Research</i> , 2007, 58, 392.	1.5	51
14	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
15	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
16	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
17	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
18	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

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19	Parent and Harvest Year Effects on Near-Infrared Reflectance Spectroscopic Analysis of Olive (Olea Tj ETQq1 1 0.784314 rgBT <sub>43</sub> /Overloc	2.4	43
20	Utility of wild germplasm in olive breeding. <i>Scientia Horticulturae</i> , 2013, 152, 92-101.	1.7	43
21	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
22	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
23	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
24	Plasticity of fruit and oil traits in olive among different environments. <i>Scientific Reports</i> , 2019, 9, 16968.	1.6	38
25	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
26	Non-destructive assessment of olive fruit ripening by portable near infrared spectroscopy. <i>Grasas Y Aceites</i> , 2011, 62, 268-274.	0.3	36
27	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
28	Influence of spacing on the initial production of hedgerow "Arbequina"™ olive orchards. <i>Spanish Journal of Agricultural Research</i> , 2007, 5, 554.	0.3	35
29	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
30	Using Wild Olives in Breeding Programs: Implications on Oil Quality Composition. <i>Frontiers in Plant Science</i> , 2018, 9, 232.	1.7	33
31	Pre-breeding for resistance to <i>Verticillium</i> wilt in olive: Fishing in the wild relative gene pool. <i>Crop Protection</i> , 2015, 75, 25-33.	1.0	32
32	Identification of QTL for agronomic traits of importance for olive breeding. <i>Molecular Breeding</i> , 2014, 34, 725.	1.0	31
33	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
34	Phenolic profile of virgin olive oil from advanced breeding selections. <i>Spanish Journal of Agricultural Research</i> , 2012, 10, 443.	0.3	30
35	Resistance to <i>Verticillium</i> wilt in olive progenies from open-pollination. <i>Scientia Horticulturae</i> , 2015, 185, 34-42.	1.7	29
36	Fruit Phenolic Profiling: A New Selection Criterion in Olive Breeding Programs. <i>Frontiers in Plant Science</i> , 2018, 9, 241.	1.7	29

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37	Ripening time and fruit characteristics of advanced olive selections for oil production. Australian Journal of Agricultural Research, 2008, 59, 46.	1.5	27
38	Multi-environment evaluation of oil accumulation pattern parameters in olive. Plant Physiology and Biochemistry, 2019, 139, 485-494.	2.8	26
39	Virgin olive oil phenolic profile and variability in progenies from olive crosses. Journal of the Science of Food and Agriculture, 2012, 92, 2524-2533.	1.7	24
40	Morphological and anatomical evaluation of adult and juvenile leaves of olive plants. Trees - Structure and Function, 2009, 23, 181-187.	0.9	22
41	Olive seedling first-flowering position and management. Scientia Horticulturae, 2010, 124, 74-77.	1.7	22
42	Evaluation of Verticillium wilt resistance in selections from olive breeding crosses. Euphytica, 2015, 206, 619-629.	0.6	22
43	Analysis of Olive (Olea Europaea L.) Genetic Resources in Relation to the Content of Vitamin E in Virgin Olive Oil. Antioxidants, 2019, 8, 242.	2.2	21
44	Genotype, environment and their interaction effects on olive tree flowering phenology and flower quality. Euphytica, 2019, 215, 1.	0.6	21
45	GC-QTOF-MS as valuable tool to evaluate the influence of cultivar and sample time on olive leaves triterpenic components. Food Research International, 2019, 115, 219-226.	2.9	21
46	SILVOLIVE, a Germplasm Collection of Wild Subspecies With High Genetic Variability as a Source of Rootstocks and Resistance Genes for Olive Breeding. Frontiers in Plant Science, 2020, 11, 629.	1.7	21
47	Chemical components influencing oxidative stability and sensorial properties of extra virgin olive oil and effect of genotype and location on their expression. LWT - Food Science and Technology, 2021, 136, 110257.	2.5	21
48	Phenolic composition of virgin olive oils from cross breeding segregating populations. European Journal of Lipid Science and Technology, 2012, 114, 542-551.	1.0	20
49	Selection for Some Olive Oil Quality Components Through the Analysis of Fruit Flesh. JAOCS, Journal of the American Oil Chemists' Society, 2014, 91, 1731-1736.	0.8	20
50	Genotype by environment interaction for oil quality components in olive tree. European Journal of Agronomy, 2020, 119, 126115.	1.9	20
51	Agronomic evaluation of seedlings from crosses between the main Spanish olive cultivar 'Picual'™ and two wild olive trees. Journal of Horticultural Science and Biotechnology, 2014, 89, 508-512.	0.9	19
52	Differences on flowering phenology under Mediterranean and Subtropical environments for two representative olive cultivars. Environmental and Experimental Botany, 2020, 180, 104239.	2.0	18
53	High Susceptibility of Olive Cultivar FS-17 to <i>Alternaria alternata</i> in Southern Spain. Plant Disease, 2008, 92, 1252-1252.	0.7	18
54	Early growth habit and vigour parameters in olive seedlings. Scientia Horticulturae, 2011, 129, 761-768.	1.7	17

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55	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
56	Variability and heritability of fruit characters in olive progenies from open-pollination. <i>Scientia Horticulturae</i> , 2014, 169, 94-98.	1.7	16
57	Initial selection steps in olive breeding programs. <i>Euphytica</i> , 2015, 201, 453-462.	0.6	16
58	Mapping quantitative trait loci controlling fatty acid composition in olive. <i>Euphytica</i> , 2017, 213, 1.	0.6	16
59	A survey of ethanol content in virgin olive oil. <i>Food Control</i> , 2018, 91, 248-253.	2.8	16
60	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
61	Reliable and relevant qualitative descriptors for evaluating complex architectural traits in olive progenies. <i>Scientia Horticulturae</i> , 2012, 143, 157-166.	1.7	15
62	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
63	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
64	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
65	Female genitor effect on the juvenile period of olive seedlings. <i>Scientia Horticulturae</i> , 2013, 156, 99-105.	1.7	11
66	A fruit growth approach to estimate oil content in olives. <i>European Journal of Agronomy</i> , 2021, 123, 126206.	1.9	11
67	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
68	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
69	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
70	CALIBRATION TRANSFER BETWEEN PORTABLE AND LABORATORY NIR SPECTROPHOTOMETERS. <i>Acta Horticulturae</i> , 2008, , 373-378.	0.1	10
71	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
72	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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73	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
74	New olive cultivars and selections in Spain: results after 25 years of breeding. <i>Acta Horticulturae</i> , 2018, , 21-26.	0.1	8
75	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
76	Advanced olive selections with enhanced quality for minor constituents. <i>Grasas Y Aceites</i> , 2015, 66, e100.	0.3	7
77	Nucleotide diversity analysis of candidate genes for Verticillium wilt resistance in olive. <i>Scientia Horticulturae</i> , 2020, 274, 109653.	1.7	6
78	Evaluation of early vigor traits in wild olive germplasm. <i>Scientia Horticulturae</i> , 2020, 264, 109157.	1.7	6
79	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
80	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
81	A new approach for early selection of short juvenile period in olive progenies. <i>Scientia Horticulturae</i> , 2021, 281, 109993.	1.7	5
82	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
83	Seedling Selection in Olive Breeding Progenies. <i>Plants</i> , 2022, 11, 1195.	1.6	5
84	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
85	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
86	ADVANCES IN THE JOINT UCO-IFAPA OLIVE BREEDING PROGRAM (JOBP). <i>Acta Horticulturae</i> , 2011, , 283-290.	0.1	2
87	OVERCOMING JUVENILITY IN AN OLIVE BREEDING PROGRAM. <i>Acta Horticulturae</i> , 2012, , 221-226.	0.1	2
88	FRUIT AND OIL CHARACTERISTICS OF ADVANCED SELECTIONS FROM AN OLIVE BREEDING PROGRAM. <i>Acta Horticulturae</i> , 2013, , 415-419.	0.1	2
89	TEN YEARS OF OLIVE BREEDING IN CÁRDABA (SPAIN). <i>Acta Horticulturae</i> , 2004, , 747-750.	0.1	1
90	VEGETATIVE GROWTH HABIT AND EARLINESS OF BEARING OF DIFFERENT OLIVE CULTIVARS. <i>Acta Horticulturae</i> , 2014, , 411-416.	0.1	1

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91	SCREENING OF WILD OLIVES FOR VERTICILLIUM WILT RESISTANCE. Acta Horticulturae, 2014, , 559-563.	0.1	1
92	MORPHOLOGICAL AND HISTOLOGICAL CHARACTERISTICS RELATED WITH PHASE CHANGE (JUVENILE/ADULT) IN OLIVE LEAVES AND ITS DETERMINATION BY NEAR INFRARED REFLECTANCE SPECTROSCOPY. Acta Horticulturae, 2009, , 449-452.	0.1	1
93	Floral Quality Characterization in Olive Progenies from Reciprocal Crosses. Plants, 2022, 11, 1285.	1.6	1
94	SEEDLING HEIGHT AS A PRE-SELECTION CRITERION FOR SHORT JUVENILE PERIOD IN OLIVE SEEDLINGS. Acta Horticulturae, 2008, , 61-64.	0.1	0
95	Assessment of olive diversity for metabolites associated with the nutritional and sensory quality of virgin olive oil. Acta Horticulturae, 2018, , 517-522.	0.1	0
96	SELECTION ON OLIVE PROGENIES BASED ON EARLINESS OF BEARING AND FRUIT OIL CONTENT. Acta Horticulturae, 2002, , 205-208.	0.1	0
97	MODELING FOR METABONOMIC FINGERPRINT ASSIGNMENT IN OLIVE FRUITS. Acta Horticulturae, 2008, , 393-400.	0.1	0