

Sergio Castro-Garcia

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

770
citations

471509
17
h-index

526287
27
g-index

36
all docs

36
docs citations

36
times ranked

569
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic analysis of olive trees in intensive orchards under forced vibration. <i>Trees - Structure and Function</i> , 2008, 22, 795-802.	1.9	63
2	Traditional olive tree response to oil olive harvesting technologies. <i>Biosystems Engineering</i> , 2014, 118, 186-193.	4.3	57
3	Table olive cultivar susceptibility to impact bruising. <i>Postharvest Biology and Technology</i> , 2013, 86, 100-106.	6.0	52
4	Improvement of soil carbon sink by cover crops in olive orchards under semiarid conditions. Influence of the type of soil and weed. <i>Spanish Journal of Agricultural Research</i> , 2013, 11, 335.	0.6	49
5	Effect of Fruit Properties on Pomegranate Bruising. <i>International Journal of Food Properties</i> , 2015, 18, 1837-1846.	3.0	40
6	Suitability of Spanish "Manzanilla"™ table olive orchards for trunk shaker harvesting. <i>Biosystems Engineering</i> , 2015, 129, 388-395.	4.3	38
7	Effects of Trunk Shaker Duration and Repetitions on Removal Efficiency for the Harvesting of Oil Olives. <i>Applied Engineering in Agriculture</i> , 2009, 25, 329-334.	0.7	33
8	Olive Actual "œœon Year"œœ Yield Forecast Tool Based on the Tree Canopy Geometry Using UAS Imagery. <i>Sensors</i> , 2017, 17, 1743.	3.8	30
9	Frequency response of late-season "Valencia"™ orange to selective harvesting by vibration for juice industry. <i>Biosystems Engineering</i> , 2017, 155, 77-83.	4.3	29
10	Vibration analysis of the fruit detachment process in late-season "Valencia"™ orange with canopy shaker technology. <i>Biosystems Engineering</i> , 2018, 170, 130-137.	4.3	29
11	Isolation of table olive damage causes and bruise time evolution during fruit detachment with trunk shaker. <i>Spanish Journal of Agricultural Research</i> , 2013, 11, 65.	0.6	29
12	Non-destructive determination of impact bruising on table olives using Vis"œœ NIR spectroscopy. <i>Biosystems Engineering</i> , 2012, 113, 371-378.	4.3	28
13	Vibration parameters assessment to develop a continuous lateral canopy shaker for mechanical harvesting of traditional olive trees. <i>Spanish Journal of Agricultural Research</i> , 2016, 14, e0204.	0.6	27
14	Translocation of Photosynthetic Products from Source Leaves to Aligned Juice Segments in Citrus Fruit. <i>HortTechnology</i> , 1984, 19, 260-261.	0.9	23
15	Analysis of fruit and oil quantity and quality distribution in high-density olive trees in order to improve the mechanical harvesting process. <i>Spanish Journal of Agricultural Research</i> , 2015, 13, e0209.	0.6	22
16	Vibrational and operational parameters in mechanical cone harvesting of stone pine (<i>Pinus pinea</i> L.). <i>Biosystems Engineering</i> , 2012, 112, 352-358.	4.3	19
17	Pruning systems to adapt traditional olive orchards to new integral harvesters. <i>Scientia Horticulturae</i> , 2017, 220, 122-129.	3.6	19
18	Frequency response of <i>Pinus Pinea</i> L. for selective cone harvesting by vibration. <i>Trees - Structure and Function</i> , 2011, 25, 801-808.	1.9	18

#	ARTICLE	IF	CITATIONS
19	The vibration behaviour of hedgerow olive trees in response to mechanical harvesting with straddle harvester. <i>Biosystems Engineering</i> , 2019, 184, 81-89.	4.3	18
20	The contribution of fruit and leaves to the dynamic response of secondary branches of orange trees. <i>Biosystems Engineering</i> , 2020, 193, 149-156.	4.3	16
21	Vibration Monitoring of the Mechanical Harvesting of Citrus to Improve Fruit Detachment Efficiency. <i>Sensors</i> , 2019, 19, 1760.	3.8	15
22	Olive Crown Porosity Measurement Based on Radiation Transmittance: An Assessment of Pruning Effect. <i>Sensors</i> , 2016, 16, 723.	3.8	13
23	Assessment of aerial and underground vibration transmission in mechanically trunk shaken olive trees. <i>Journal of Agricultural Engineering</i> , 2018, 49, 191-197.	1.5	13
24	Mode Shapes Evaluation of Trunk Shakers Used in Oil Olive Harvesting. <i>Transactions of the ASABE</i> , 2007, 50, 727-732.	1.1	10
25	A smart system for the automatic evaluation of green olives visual quality in the field. <i>Computers and Electronics in Agriculture</i> , 2020, 179, 105858.	7.7	10
26	Fruit abscission pattern of "Valencia"™ orange with canopy shaker system. <i>Scientia Horticulturae</i> , 2019, 246, 916-920.	3.6	7
27	How Agricultural Engineers Develop Mechanical Harvesters: The University Perspective. <i>HortTechnology</i> , 2014, 24, 270-273.	0.9	6
28	An innovative circular path harvester for mechanical harvesting of irregular, large-canopy olive trees. <i>International Journal of Agricultural and Biological Engineering</i> , 2018, 11, 86-93.	0.6	6
29	Estimation of soil coverage of chopped pruning residues in olive orchards by image analysis. <i>Spanish Journal of Agricultural Research</i> , 2013, 11, 626.	0.6	6
30	Comparison of a Lightweight Experimental Shaker and an Orchard Tractor Mounted Trunk Shaker for Fresh Market Citrus Harvesting. <i>Agriculture (Switzerland)</i> , 2021, 11, 1092.	3.1	5
31	Performance evaluation of lateral canopy shakers with catch frame for continuous harvesting of oranges for juice industry. <i>International Journal of Agricultural and Biological Engineering</i> , 2020, 13, 88-93.	0.6	3
32	Citrus Fruit Movement Assessment Related to Fruit Damage during Harvesting with an Experimental Low-Frequency"High-Amplitude Device. <i>Agronomy</i> , 2022, 12, 1337.	3.0	3
33	FIELD EVALUATION OF TWO CANOPY SHAKE SYSTEMS FOR MECHANICAL HARVESTING ON CITRUS ORCHARDS IN ANDALUSIA (SPAIN). <i>Acta Horticulturae</i> , 2015, , 1853-1859.	0.2	2