Sergio Castro-Garcia

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2624302/publications.pdf

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33	770	471509 17	526287 27
papers	citations	h-index	g-index

36	36	36	569
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Citrus Fruit Movement Assessment Related to Fruit Damage during Harvesting with an Experimental Low-Frequencyâ€“High-Amplitude Device. Agronomy, 2022, 12, 1337.	3.0	3
2	Comparison of a Lightweight Experimental Shaker and an Orchard Tractor Mounted Trunk Shaker for Fresh Market Citrus Harvesting. Agriculture (Switzerland), 2021, 11, 1092.	3.1	5
3	A smart system for the automatic evaluation of green olives visual quality in the field. Computers and Electronics in Agriculture, 2020, 179, 105858.	7.7	10
4	The contribution of fruit and leaves to the dynamic response of secondary branches of orange trees. Biosystems Engineering, 2020, 193, 149-156.	4.3	16
5	Performance evaluation of lateral canopy shakers with catch frame for continuous harvesting of oranges for juice industry. International Journal of Agricultural and Biological Engineering, 2020, 13, 88-93.	0.6	3
6	The vibration behaviour of hedgerow olive trees in response to mechanical harvesting with straddle harvester. Biosystems Engineering, 2019, 184, 81-89.	4.3	18
7	Vibration Monitoring of the Mechanical Harvesting of Citrus to Improve Fruit Detachment Efficiency. Sensors, 2019, 19, 1760.	3.8	15
8	Fruit abscission pattern of â€˜Valenciaâ€™ orange with canopy shaker system. Scientia Horticulturae, 2019, 246, 916-920.	3.6	7
9	Assessment of aerial and underground vibration transmission in mechanically trunk shaken olive trees. Journal of Agricultural Engineering, 2018, 49, 191-197.	1.5	13
10	Vibration analysis of the fruit detachment process in late-season â€˜Valenciaâ€™ orange with canopy shaker technology. Biosystems Engineering, 2018, 170, 130-137.	4.3	29
11	An innovative circular path harvester for mechanical harvesting of irregular, large-canopy olive trees. International Journal of Agricultural and Biological Engineering, 2018, 11, 86-93.	0.6	6
12	Pruning systems to adapt traditional olive orchards to new integral harvesters. Scientia Horticulturae, 2017, 220, 122-129.	3.6	19
13	Frequency response of late-season â€˜Valenciaâ€™ orange to selectiveÂharvesting by vibration for juice industry. Biosystems Engineering, 2017, 155, 77-83.	4.3	29
14	Olive Actual â€œon Yearâ€•Yield Forecast Tool Based on the Tree Canopy Geometry Using UAS Imagery. Sensors, 2017, 17, 1743.	3.8	30
15	Olive Crown Porosity Measurement Based on Radiation Transmittance: An Assessment of Pruning Effect. Sensors, 2016, 16, 723.	3.8	13
16	Vibration parameters assessment to develop a continuous lateral canopy shaker for mechanical harvesting of traditional olive trees. Spanish Journal of Agricultural Research, 2016, 14, e0204.	0.6	27
17	FIELD EVALUATION OF TWO CANOPY SHAKE SYSTEMS FOR MECHANICAL HARVESTING ON CITRUS ORCHARDS IN ANDALUSIA (SPAIN). Acta Horticulturae, 2015, , 1853-1859.	0.2	2
18	Effect of Fruit Properties on Pomegranate Bruising. International Journal of Food Properties, 2015, 18, 1837-1846.	3.0	40

#	Article	IF	Citations
19	Suitability of Spanish â€˜Manzanillaâ€™ table olive orchards for trunk shaker harvesting. Biosystems Engineering, 2015, 129, 388-395.	4.3	38
20	Analysis of fruit and oil quantity and quality distribution in high-density olive trees in order to improve the mechanical harvesting process. Spanish Journal of Agricultural Research, 2015, 13, e0209.	0.6	22
21	Traditional olive tree response to oil olive harvesting technologies. Biosystems Engineering, 2014, 118, 186-193.	4.3	57
22	How Agricultural Engineers Develop Mechanical Harvesters: The University Perspective. HortTechnology, 2014, 24, 270-273.	0.9	6
23	Table olive cultivar susceptibility to impact bruising. Postharvest Biology and Technology, 2013, 86, 100-106.	6.0	52
24	Isolation of table olive damage causes and bruise time evolution during fruit detachment with trunk shaker. Spanish Journal of Agricultural Research, 2013, 11, 65.	0.6	29
25	Improvement of soil carbon sink by cover crops in olive orchards under semiarid conditions. Influence of the type of soil and weed. Spanish Journal of Agricultural Research, 2013, 11, 335.	0.6	49
26	Estimation of soil coverage of chopped pruning residues in olive orchards by image analysis. Spanish Journal of Agricultural Research, 2013, 11, 626.	0.6	6
27	Vibrational and operational parameters in mechanical cone harvesting of stone pine (Pinus pinea L.). Biosystems Engineering, 2012, 112, 352-358.	4.3	19
28	Non-destructive determination of impact bruising on table olives using Visâ€“NIR spectroscopy. Biosystems Engineering, 2012, 113, 371-378.	4.3	28
29	Frequency response of Pinus Pinea L. for selective cone harvesting by vibration. Trees - Structure and Function, 2011, 25, 801-808.	1.9	18
30	Effects of Trunk Shaker Duration and Repetitions on Removal Efficiency for the Harvesting of Oil Olives. Applied Engineering in Agriculture, 2009, 25, 329-334.	0.7	33
31	Dynamic analysis of olive trees in intensive orchards under forced vibration. Trees - Structure and Function, 2008, 22, 795-802.	1.9	63
32	Mode Shapes Evaluation of Trunk Shakers Used in Oil Olive Harvesting. Transactions of the ASABE, 2007, 50, 727-732.	1.1	10
33	Translocation of Photosynthetic Products from Source Leaves to Aligned Juice Segments in Citrus Fruit. HortTechnology, 1984, 19, 260-261.	0.9	23