

Mireia Corell

List of Publications by Year in descending order

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64
papers

1,220
citations

394421
19
h-index

414414
32
g-index

65
all docs

65
docs citations

65
times ranked

1031
citing authors

#	ARTICLE	IF	CITATIONS
1	Deficit irrigation and emerging fruit crops as a strategy to save water in Mediterranean semiarid agrosystems. <i>Agricultural Water Management</i> , 2018, 202, 311-324.	5.6	116
2	Rainfall intensifies fruit peel cracking in water stressed pomegranate trees. <i>Agricultural and Forest Meteorology</i> , 2014, 194, 29-35.	4.8	60
3	Quality attributes of table olives as affected by regulated deficit irrigation. <i>LWT - Food Science and Technology</i> , 2015, 62, 19-26.	5.2	60
4	Study of commercial quality parameters, sugars, phenolics, carotenoids and plastids in different tomato varieties. <i>Food Chemistry</i> , 2019, 277, 480-489.	8.2	53
5	Antioxidants (carotenoids and phenolics) profile of cherry tomatoes as influenced by deficit irrigation, ripening and cluster. <i>Food Chemistry</i> , 2018, 240, 870-884.	8.2	51
6	Effect of regulated deficit irrigation on quality parameters, carotenoids and phenolics of diverse tomato varieties (<i>Solanum lycopersicum</i> L.). <i>Food Research International</i> , 2017, 96, 72-83.	6.2	46
7	Yield response to regulated deficit irrigation of greenhouse cherry tomatoes. <i>Agricultural Water Management</i> , 2019, 213, 212-221.	5.6	46
8	Antioxidant capacity, fatty acids profile, and descriptive sensory analysis of table olives as affected by deficit irrigation. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 444-451.	3.5	39
9	Low water stress conditions in table olive trees (<i>Olea europaea</i> L.) during pit hardening produced a different response of fruit and leaf water relations. <i>Agricultural Water Management</i> , 2012, 114, 11-17.	5.6	37
10	Changes in the physiological response between leaves and fruits during a moderate water stress in table olive trees. <i>Agricultural Water Management</i> , 2015, 148, 280-286.	5.6	36
11	Effect of the fruit position on the cluster on fruit quality, carotenoids, phenolics and sugars in cherry tomatoes (<i>Solanum lycopersicum</i> L.). <i>Food Research International</i> , 2017, 100, 804-813.	6.2	35
12	The phytoprostane content in green table olives is influenced by Spanish-style processing and regulated deficit irrigation. <i>LWT - Food Science and Technology</i> , 2015, 64, 997-1003.	5.2	34
13	Water stress at the end of the pomegranate fruit ripening stage produces earlier harvest and improves fruit quality. <i>Scientia Horticulturae</i> , 2017, 226, 68-74.	3.6	34
14	Regulated deficit irrigation based on threshold values of trunk diameter fluctuation indicators in table olive trees. <i>Scientia Horticulturae</i> , 2013, 164, 102-111.	3.6	30
15	Feasibility of trunk diameter fluctuations in the scheduling of regulated deficit irrigation for table olive trees without reference trees. <i>Agricultural Water Management</i> , 2015, 161, 114-126.	5.6	27
16	Sensory Profile and Acceptability of HydroSOSustainable Almonds. <i>Foods</i> , 2019, 8, 64.	4.3	27
17	Comparison of the water potential baseline in different locations. Usefulness for irrigation scheduling of olive orchards. <i>Agricultural Water Management</i> , 2016, 177, 308-316.	5.6	26
18	Nutrition Quality Parameters of Almonds as Affected by Deficit Irrigation Strategies. <i>Molecules</i> , 2019, 24, 2646.	3.8	26

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19	Quality Attributes and Fatty Acid, Volatile and Sensory Profiles of <i>Arbequina</i> hydroSOSustainable Olive Oil. <i>Molecules</i> , 2019, 24, 2148.	3.8	26
20	Volatile composition and sensory and quality attributes of quince (<i>Cydonia oblonga</i> Mill.) fruits as affected by water stress. <i>Scientia Horticulturae</i> , 2019, 244, 68-74.	3.6	21
21	Effect of Water Stress on <i>Salvia officinalis</i> L. Bioproductivity and Its Bioelement Concentrations. <i>Communications in Soil Science and Plant Analysis</i> , 2012, 43, 419-425.	1.4	20
22	Phytosterols and Phytofurans "Oxidative Stress and Bioactive Compounds" in Almonds are Affected by Deficit Irrigation in Almond Trees. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 7214-7225.	5.2	20
23	Long-Term Correlation between Water Deficit and Quality Markers in HydroSOSustainable Almonds. <i>Agronomy</i> , 2020, 10, 1470.	3.0	19
24	Seasonal changes of maximum daily shrinkage reference equations for irrigation scheduling in olive trees: Influence of fruit load. <i>Agricultural Water Management</i> , 2011, 99, 121-127.	5.6	17
25	Effect of Spanish style processing on the quality attributes of <i>HydroSOSustainable</i> green olives. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 1804-1811.	3.5	17
26	Jujube fruit water relations at fruit maturation in response to water deficits. <i>Agricultural Water Management</i> , 2016, 164, 110-117.	5.6	16
27	Stem water potential-based regulated deficit irrigation scheduling for olive table trees. <i>Agricultural Water Management</i> , 2020, 242, 106418.	5.6	16
28	Scheduling Regulated Deficit Irrigation with Leaf Water Potential of Cherry Tomato in Greenhouse and its Effect on Fruit Quality. <i>Agriculture (Switzerland)</i> , 2021, 11, 669.	3.1	15
29	Limitations and usefulness of maximum daily shrinkage (MDS) and trunk growth rate (TGR) indicators in the irrigation scheduling of table olive trees. <i>Agricultural Water Management</i> , 2016, 164, 38-45.	5.6	14
30	Pattern of trunk diameter fluctuations of almond trees in deficit irrigation scheduling during the first seasons. <i>Agricultural Water Management</i> , 2019, 218, 115-123.	5.6	14
31	Effect of regulated deficit irrigation on commercial quality parameters, carotenoids, phenolics and sugars of the black cherry tomato (<i>Solanum lycopersicum</i> L.) $\frac{1}{2}$ Sunchocola $\frac{1}{4}$. <i>Journal of Food Composition and Analysis</i> , 2022, 105, 104220.	3.9	14
32	Establishing a Reference Baseline for Midday Stem Water Potential in Olive and Its Use for Plant-Based Irrigation Management. <i>Frontiers in Plant Science</i> , 2021, 12, 791711.	3.6	14
33	Chemical and sensorial characterization of spray dried <i>hydroSOSustainable</i> almond milk. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 1372-1381.	3.5	13
34	Reassessing the Role of Potassium in Tomato Grown with Water Shortages. <i>Horticulturae</i> , 2021, 7, 20.	2.8	13
35	Yield response of a mature hedgerow oil olive orchard to different levels of water stress during pit hardening. <i>Agricultural Water Management</i> , 2022, 261, 107374.	5.6	13
36	Influence of rootstock on pistachio (<i>Pistacia vera</i> L. cv Kerman) water relations. <i>Agricultural Water Management</i> , 2018, 202, 263-270.	5.6	12

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37	Extrapolating base-line trunk shrinkage reference equations across olive orchards. <i>Agricultural Water Management</i> , 2013, 126, 1-8.	5.6	11
38	Using band dendrometers in irrigation scheduling. <i>Agricultural Water Management</i> , 2014, 142, 29-37.	5.6	11
39	Evaluation of growers's efforts to improve the sustainability of olive orchards: Development of the hydroSOSustainable index. <i>Scientia Horticulturae</i> , 2019, 257, 108661.	3.6	11
40	Approach using trunk growth rate data to identify water stress conditions in olive trees. <i>Agricultural Water Management</i> , 2019, 222, 12-20.	5.6	9
41	Absence of Yield Reduction after Controlled Water Stress during Preharvest Period in Table Olive Trees. <i>Agronomy</i> , 2020, 10, 258.	3.0	9
42	EFFECT OF THE DEFICIT WATERING IN THE PRODUCTION AND QUALITY OF THE ESSENTIAL OIL, IN THE CULTIVATION OF <i>SALVIA OFFICINALIS</i> L. <i>Acta Horticulturae</i> , 2009, , 281-288.	0.2	8
43	Approach for using trunk growth rate (TGR) in the irrigation scheduling of table olive orchards. <i>Agricultural Water Management</i> , 2017, 192, 12-20.	5.6	8
44	Screening for Innovative Sources of Carotenoids and Phenolic Antioxidants among Flowers. <i>Foods</i> , 2021, 10, 2625.	4.3	8
45	Bruising susceptibility of Manzanilla de Sevilla table olive cultivar under Regulated Deficit Irrigation. <i>Agricultural Water Management</i> , 2017, 189, 1-4.	5.6	6
46	Criteria for HydroSOS Quality Index. Application to Extra Virgin Olive Oil and Processed Table Olives. <i>Water (Switzerland)</i> , 2020, 12, 555.	2.7	6
47	Fruit Response to Water-Scarcity Scenarios. <i>Water Relations and Biochemical Changes</i> . , 2018, , 349-375.		5
48	How does water stress affect the low molecular weight phenolics of hydroSOSustainable almonds?. <i>Food Chemistry</i> , 2021, 339, 127756.	8.2	5
49	Effect of Aging Vessel (Clay-Tinaja versus Oak Barrel) on the Volatile Composition, Descriptive Sensory Profile, and Consumer Acceptance of Red Wine. <i>Beverages</i> , 2021, 7, 35.	2.8	5
50	Weitere Mitteilungen über das Yohimbin. V. Versuche zu Hofmann'schem Abbau. Zur Kenntnis der Methyl-yohimboasäure. <i>Berichte Der Deutschen Chemischen Gesellschaft Zu Berlin</i> , 1916, 49, 1086-1090.	0.3	4
51	Reducing incidence of peel physiopathies and increasing antioxidant activity in pomegranate fruit under different irrigation conditions by preharvest application of chitosan. <i>Scientia Horticulturae</i> , 2019, 247, 247-253.	3.6	4
52	How does water stress and roasting temperature affect the physicochemical parameters of almonds?. <i>LWT - Food Science and Technology</i> , 2021, 150, 112073.	5.2	4
53	Irrigation of Pistachios. , 2018, , 247-269.		3
54	Agronomical Effects of Deficit Irrigation in Apricot, Peach, and Plum Trees. , 2018, , 87-109.		3

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55	Leaf mechanisms involved in the response of <i>Cydonia oblonga</i> trees to water stress and recovery. <i>Agricultural Water Management</i> , 2019, 221, 66-72.	5.6	3
56	Identification of water stress conditions in olive trees through frequencies of trunk growth rate. <i>Agricultural Water Management</i> , 2021, 247, 106735.	5.6	3
57	Wild solitary bees and their use of bee hotels in southwest Spain. <i>Journal of Apicultural Research</i> , 2021, 60, 862-870.	1.5	3
58	“HydroSOSustainable” Concept: How Does Information Influence Consumer Expectations towards Roasted Almonds?. <i>Agronomy</i> , 2021, 11, 2254.	3.0	3
59	Evaluation of a simplified methodology to estimate the CWSI in olive orchards. <i>Agricultural Water Management</i> , 2022, 269, 107729.	5.6	3
60	Absolute Configuration of Falcarinol (9Z-heptadeca-1,9-diene-4,6-diyn-3-ol) from <i>Pastinaca Sativa</i> . <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	2
61	Bruising response in “Manzanilla de Sevilla”™ olives to RDI strategies based on water potential. <i>Agricultural Water Management</i> , 2019, 222, 265-273.	5.6	2
62	Absolute configuration of falcarinol (9Z-heptadeca-1,9-diene-4,6-diyn-3-ol) from <i>Pastinaca sativa</i> . <i>Natural Product Communications</i> , 2013, 8, 1123-6.	0.5	2
63	Trunk growth rate frequencies as water stress indicator in almond trees. <i>Agricultural Water Management</i> , 2022, 271, 107765.	5.6	1
64	PREGERMINATION AND GERMINATION IN ASPARAGUS. <i>Acta Horticulturae</i> , 2002, , 341-345.	0.2	0