Diego S Intrigliolo

List of Publications by Year
in descending order

80	2,045	218381	253896
papers	citations	26 h-index	43 g-index

80	80	80	1714
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Could trunk diameter sensors be used in woody crops for irrigation scheduling? A review of current knowledge and future perspectives. Agricultural Water Management, 2010, 97, 1-11.	2.4	156
2	Response of grapevine cv. â€˜Tempranilloâ€™ to timing and amount of irrigation: water relations, vine growth, yield and berry and wine composition. Irrigation Science, 2010, 28, 113-125.	1.3	131
3	Effects of Cluster Light Exposure on 3-Isobutyl-2-methoxypyrazine Accumulation and Degradation Patterns in Red Wine Grapes (Vitis vinifera L. Cv. Cabernet Franc). Journal of Agricultural and Food Chemistry, 2008, 56, 10838-10846.	2.4	128
4	Usefulness of thermography for plant water stress detection in citrus and persimmon trees. Agricultural and Forest Meteorology, 2013, 168, 120-129.	1.9	100
5	Grape Composition under Abiotic Constrains: Water Stress and Salinity. Frontiers in Plant Science, 2017, 8, 851.	1.7	84
6	Performance of various water stress indicators for prediction of fruit size response to deficit irrigation in plum. Agricultural Water Management, 2006, 83, 173-180.	2.4	79
7	Scheduling deficit irrigation of citrus trees with maximum daily trunk shrinkage. Agricultural Water Management, 2007, 90, 197-204.	2.4	78
8	Effect of sustained and regulated deficit irrigation on fruit quality of pomegranate cv. â€˜Mollar de Elcheâ€™ at harvest and during cold storage. Agricultural Water Management, 2013, 125, 61-70.	2.4	76
9	Relationships between xylem anatomy, root hydraulic conductivity, leaf/root ratio and transpiration in citrus trees on different rootstocks. Physiologia Plantarum, 2010, 139, 159-169.	2.6	75
10	Response of Vitis vinifera cv. â€˜Tempranilloâ€™ to partial rootzone drying in the field: Water relations, growth, yield and fruit and wine quality. Agricultural Water Management, 2009, 96, 282-292.	2.4	71
11	Response of Clementina de Nules citrus trees to summer deficit irrigation. Yield components and fruit composition. Agricultural Water Management, 2011, 98, 1027-1032.	2.4	67
12	Effects of post-veraison irrigation regime on Cabernet Sauvignon grapevines in Valencia, Spain: Yield and grape composition. Agricultural Water Management, 2016, 170, 110-119.	2.4	55
13	Long-term response of â€˜Clementina de Nulesâ€™ citrus trees to summer regulated deficit irrigation. Agricultural Water Management, 2014, 138, 78-84.	2.4	53
14	New technologies and practical approaches to improve irrigation management of open field vegetable crops. Agricultural Water Management, 2020, 242, 106404.	2.4	49
15	Development and validation of an automatic thermal imaging process for assessing plant water status. Agricultural Water Management, 2011, 98, 1497-1504.	2.4	48
16	Effect of deficit irrigation on vine performance and grape composition ofVitis viniferaL. cv. Muscat of Alexandria. Australian Journal of Grape and Wine Research, 2017, 23, 251-259.	1.0	48
17	Thermographic measurement of canopy temperature is a useful tool for predicting water deficit effects on fruit weight in citrus trees. Agricultural Water Management, 2013, 122, 1-6.	2.4	47
18	Challenges of viticulture adaptation to global change: tackling the issue from the roots. Australian Journal of Grape and Wine Research, 2021, 27, 8-25.	1.0	46

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19	Early defoliation in a temperate warm and semi-arid Tempranillo vineyard: vine performance and grape composition. Australian Journal of Grape and Wine Research, 2014, 20, 111-122.	1.0	41
20	Usefulness of trunk diameter variations as continuous water stress indicators of pomegranate (Punica granatum) trees. Agricultural Water Management, 2011, 98, 1462-1468.	2.4	39
21	Effects of a commercial calcium protein hydrolysate on the salt tolerance of Diospyros kaki L. cv. â€œRojo Brillanteâ€•grafted on Diospyros lotus L.. Scientia Horticulturae, 2015, 185, 129-138.	1.7	37
22	Water relations of field grown Pomegranate trees (Punica granatum) under different drip irrigation regimes. Agricultural Water Management, 2011, 98, 691-696.	2.4	36
23	Carry-over effects of deficit irrigation applied over seven seasons in a developing Japanese plum orchard. Agricultural Water Management, 2013, 128, 13-18.	2.4	30
24	Moderate plant water stress reduces fruit drop of â€œRojo Brillanteâ€•persimmon (Diospyros kaki) in a Mediterranean climate. Agricultural Water Management, 2013, 119, 154-160.	2.4	30
25	Early defoliation reduces cluster compactness and improves grape composition in MandÃ³, an autochthonous cultivar of Vitis vinifera from southeastern Spain. Scientia Horticulturae, 2014, 167, 71-75.	1.7	30
26	Maximum diurnal trunk shrinkage is a sensitive indicator of plant water, stress in Diospyros kaki (Persimmon) trees. Agricultural Water Management, 2010, 98, 143-147.	2.4	29
27	Water stress improves whole-canopy water use efficiency and berry composition of cv. Sangiovese () Tj ETQq1 1 0.784314 rgBT /Over Management, 2016, 169, 106-114.	2.4	28
28	Interactive Effects of Irrigation and Crop Level on Tempranillo Vines in a Semiarid Climate. American Journal of Enology and Viticulture, 2015, 66, 101-111.	0.9	27
29	Forcing bud growth by double-pruning as a technique to improve grape composition of Vitis vinifera L. cv. Tempranillo in a semi-arid Mediterranean climate. Scientia Horticulturae, 2019, 256, 108614.	1.7	27
30	Nitrogen dynamics in cropping systems under Mediterranean climate: a systemic analysis. Environmental Research Letters, 2021, 16, 073002.	2.2	25
31	Validation of a methodology for grouping intakes of pressurized irrigation networks into sectors to minimize energy consumption. Agricultural Water Management, 2011, 102, 46-53.	2.4	21
32	Differences in specific chloride toxicity to Diospyros kaki cv. â€œRojo Brillanteâ€•grafted on D. lotus and D. virginiana. Scientia Horticulturae, 2017, 214, 83-90.	1.7	18
33	Regulated deficit irrigation in persimmon trees (Diospyros kaki) cv. â€˜Rojo Brillanteâ€™. Scientia Horticulturae, 2013, 159, 134-142.	1.7	16
34	Effects of Water Deficit Irrigation on Phenolic Composition and Antioxidant Activity of Monastrell Grapes under Semiarid Conditions. Antioxidants, 2021, 10, 1301.	2.2	16
35	WATER RELATIONS OF FIELD GROWN DRIP IRRIGATED Â´TEMPRANILLOÂ´ GRAPEVINES. Acta Horticulturae, 2005, , 317-324.	0.1	15
36	Cover crop evapotranspiration in a northeastern US Concord (Vitis labruscana) vineyard. Australian Journal of Grape and Wine Research, 2012, 18, 73-79.	1.0	14

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37	Effects of the irrigation regimes on grapevine cv. Bobal in a Mediterranean climate: II. Wine, skins, seeds, and grape aromatic composition. Agricultural Water Management, 2021, 256, 107078.	2.4	12
38	EFFECTS OF LIGHT INTERCEPTION AND CANOPY ORIENTATION ON GRAPEVINE WATER STATUS AND CANOPY GAS EXCHANGE. Acta Horticulturae, 2011, , 99-104.	0.1	11
39	Mandarin irrigation scheduling by means of frequency domain reflectometry soil moisture monitoring. Agricultural Water Management, 2020, 235, 106151.	2.4	11
40	Irrigation water saving strategies in Citrus orchards: Analysis of the combined effects of timing and severity of soil water deficit. Agricultural Water Management, 2021, 248, 106773.	2.4	11
41	Nutrient status and irrigation management affect anthocyanins in â€˜Mollar de Elcheâ€™ pomegranate. Acta Horticulturae, 2015, , 85-92.	0.1	9
42	Row orientation effects on potted-vines performance and water-use efficiency. Agricultural and Forest Meteorology, 2020, 294, 108148.	1.9	9
43	Unravelling the effects of berry size on â€˜Tempranilloâ€™ grapes under different field practices. Ciencia E Tecnica Vitivinicola, 2019, 34, 1-14.	0.3	8
44	CAN SAP FLOW PROBES BE USED FOR DETERMINING TRANSPIRATION OF CITRUS TREES UNDER DIFFERENT IRRIGATION REGIMES?. Acta Horticulturae, 2011, , 221-228.	0.1	7
45	Effects of leaning grapevine canopy to the West on water use efficiency and yield under Mediterranean conditions. Agricultural and Forest Meteorology, 2020, 295, 108166.	1.9	7
46	TRUNK DIAMETER VARIATIONS AS WATER STRESS INDICATOR IN PLUM AND GRAPEVINE. Acta Horticulturae, 2008, , 363-369.	0.1	7
47	Year, watering regime and foliar methyl jasmonate doped nanoparticles treatments: Effects on must nitrogen compounds in Monastrell grapes. Scientia Horticulturae, 2022, 297, 110944.	1.7	7
48	Effect of delaying winter pruning of Bobal and Tempranillo grapevines on vine performance, grape and wine composition. Australian Journal of Grape and Wine Research, 2021, 27, 94-105.	1.0	6
49	Standardization of the Dimensions of a Portable Weighing Lysimeter Designed to Be Applied to Vegetable Crops in Mediterranean Climates. Sustainability, 2021, 13, 2210.	1.6	5
50	Assessment of peach trees water status and leaf gas exchange using on-the-ground versus airborne-based thermal imagery. Agricultural Water Management, 2022, 267, 107628.	2.4	5
51	Crop load regulation and irrigation strategies to accelerate the recovery of previously water-stressed Japanese plum trees. Agricultural Water Management, 2014, 132, 23-29.	2.4	4
52	Usefulness of stem dendrometers as continuous indicator of loquat trees water status. Agricultural Water Management, 2014, 142, 110-114.	2.4	4
53	Open field hydroponics in fruit crops: Developments and challenges. , 2020, , 419-430.		4
54	Effects of Drip Irrigation Design on a Lemon and a Young Persimmon Orchard in Semi-Arid Conditions. Water (Switzerland), 2021, 13, 1795.	1.2	4

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55	LONG-TERM EFFECTS OF DEFICIT IRRIGATION AND SUBSEQUENT RECOVERY OF YOUNG JAPANESE PLUM TREES. Acta Horticulturae, 2011, , 241-248.	0.1	3
56	EARLY DEFOLIATION OF 'TEMPRANILLO' GRAPEVINES IN SEMI-ARID TERROIRS OF SPAIN. Acta Horticulturae, 2012, , 299-306.	0.1	3
57	EFFECTS OF EARLY DEFOLIATION IN GRAPE YIELD AND QUALITY IN 'MANDO', AN AUTOCHTHON CULTIVAR OF SOUTH-EAST SPAIN. Acta Horticulturae, 2012, , 365-370.	0.1	3
58	Agronomical Effects of Deficit Irrigation in Apricot, Peach, and Plum Trees. , 2018, , 87-109.		3
59	Open field soilless system using cocopeat substrate bags improves tree performance in a young Mediterranean persimmon orchard. Scientia Horticulturae, 2022, 291, 110614.	1.7	3
60	Is deficit irrigation with saline waters a viable alternative for winegrowers in semiarid areas?. Oeno One, 2021, 56, 101-116.	0.7	3
61	FEASIBILITY OF USING LVDT AND WATERMARK SENSOR FOR IRRIGATION SCHEDULING IN PLUM. Acta Horticulturae, 2004, , 317-323.	0.1	2
62	USING THE HEAT PULSE "TMAX" PROCEDURE TO ESTIMATE GRAPEVINE WATER USE IN A HUMID CLIMATE. Acta Horticulturae, 2009, , 177-184.	0.1	2
63	SHORT-TERM EFFECTS OF REGULATED DEFICIT IRRIGATION OF 'ROJO BRILLANTE' PERSIMMON (DYOSPYROS) Tj ETQq1 1 0.784314 r	0.1	2
64	RESPONSE OF GRAPEVINE CV. 'TEMPRANILLO' TO IRRIGATION AMOUNT AND PARTIAL ROOTZONE DRYING UNDER CONTRASTING CROP LOAD LEVELS. Acta Horticulturae, 2007, , 309-316.	0.1	2
65	EFFECTS OF CROP LEVEL AND IRRIGATION ON YIELD AND WINE QUALITY OF TEMPRANILLO GRAPEVINES IN A DRY YEAR. Acta Horticulturae, 2008, , 371-378.	0.1	2
66	SAP FLOW MEASUREMENTS TO ASSESS REGULATED DEFICIT IRRIGATION STRATEGIES ON CITRUS TREES. Acta Horticulturae, 2012, , 71-78.	0.1	2
67	Development of an Algorithm for an Automatic Determination of the Soil Field Capacity Using of a Portable Weighing Lysimeter. Sensors, 2021, 21, 7203.	2.1	2
68	Vineyard water balance and use. , 2022, , 105-123.		2
69	Plant-based sensing for irrigation management in the field. Acta Horticulturae, 2022, , 247-262.	0.1	2
70	Physiological and Transcriptional Responses to Saline Irrigation of Young â€˜Tempranilloâ€™ Vines Grafted Onto Different Rootstocks. Frontiers in Plant Science, 0, 13, .	1.7	2
71	Determining transpiration coefficients of â€˜Rojo Brillanteâ€™ persimmon trees under Mediterranean climatic conditions. Agricultural Water Management, 2022, 271, 107804.	2.4	2
72	USEFULNESS OF STEM DENDROMETERS AS CONTINUOUS WATER STRESS INDICATORS OF LOQUAT TREE WATER STATUS. Acta Horticulturae, 2011, , 149-154.	0.1	1

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73	Quantifying persimmon tree responses to water and nutrients for designing efficient and sustainable fertirrigation protocols. Acta Horticulturae, 2018, , 99-104.	0.1	1
74	Persimmon (Diospyros kaki) Trees Responses to Restrictions in Water Amount and Quality. , 2018, , 149-177.		1
75	Influence of short-term surface temperature dynamics on tree orchards energy balance fluxes. Precision Agriculture, 2022, 23, 1394-1412.	3.1	1
76	Recommendations on harvesting time based on physico-chemical quality parameter changes in â€˜Mollar de Elcheâ€™ pomegranates. Acta Horticulturae, 2019, , 121-128.	0.1	0
77	Quantifying pomegranate tree responses to water and nutrients for a sustainable fertirrigation. Acta Horticulturae, 2019, , 193-198.	0.1	0
78	Evaluating the effect of different management practices on vineyard evapotranspiration by using remote sensing-based energy balance models. Acta Horticulturae, 2021, , 53-60.	0.1	0
79	IS PRE-VERAISON IRRIGATION CUT-OFF MORE CONVENIENT THAN POST-VERAISON WATER STRESS AS A STRATEGY TO IMPROVE GRAPE COMPOSITION IN VITIS VINIFERA 'TEMPRANILLO' IN SPAIN?. Acta Horticulturae, 2011, , 75-82.	0.1	0
80	EFFECTS OF POST-VERAISON IRRIGATION DOSE ON 'CABERNET SAUVIGNON' VINES IN A DRY AND WARM SEASON IN VALENCIA, SPAIN. Acta Horticulturae, 2011, , 375-380.	0.1	0