

Diego S Intrigliolo

List of Publications by Year in descending order

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80
papers

2,045
citations

218677

26
h-index

254184

43
g-index

80
all docs

80
docs citations

80
times ranked

1714
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. <i>Agricultural Water Management</i> , 2010, 97, 1-11.	5.6	156
2	Response of grapevine cv. "Tempranillo"™ to timing and amount of irrigation: water relations, vine growth, yield and berry and wine composition. <i>Irrigation Science</i> , 2010, 28, 113-125.	2.8	131
3	Effects of Cluster Light Exposure on 3-Isobutyl-2-methoxypyrazine Accumulation and Degradation Patterns in Red Wine Grapes (<i>Vitis vinifera</i> L. Cv. Cabernet Franc). <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 10838-10846.	5.2	128
4	Usefulness of thermography for plant water stress detection in citrus and persimmon trees. <i>Agricultural and Forest Meteorology</i> , 2013, 168, 120-129.	4.8	100
5	Grape Composition under Abiotic Constrains: Water Stress and Salinity. <i>Frontiers in Plant Science</i> , 2017, 8, 851.	3.6	84
6	Performance of various water stress indicators for prediction of fruit size response to deficit irrigation in plum. <i>Agricultural Water Management</i> , 2006, 83, 173-180.	5.6	79
7	Scheduling deficit irrigation of citrus trees with maximum daily trunk shrinkage. <i>Agricultural Water Management</i> , 2007, 90, 197-204.	5.6	78
8	Effect of sustained and regulated deficit irrigation on fruit quality of pomegranate cv. "Mollar de Elche"™ at harvest and during cold storage. <i>Agricultural Water Management</i> , 2013, 125, 61-70.	5.6	76
9	Relationships between xylem anatomy, root hydraulic conductivity, leaf/root ratio and transpiration in citrus trees on different rootstocks. <i>Physiologia Plantarum</i> , 2010, 139, 159-169.	5.2	75
10	Response of <i>Vitis vinifera</i> cv. "Tempranillo"™ to partial rootzone drying in the field: Water relations, growth, yield and fruit and wine quality. <i>Agricultural Water Management</i> , 2009, 96, 282-292.	5.6	71
11	Response of Clementina de Nules citrus trees to summer deficit irrigation. Yield components and fruit composition. <i>Agricultural Water Management</i> , 2011, 98, 1027-1032.	5.6	67
12	Effects of post-veraison irrigation regime on Cabernet Sauvignon grapevines in Valencia, Spain: Yield and grape composition. <i>Agricultural Water Management</i> , 2016, 170, 110-119.	5.6	55
13	Long-term response of "Clementina de Nules"™ citrus trees to summer regulated deficit irrigation. <i>Agricultural Water Management</i> , 2014, 138, 78-84.	5.6	53
14	New technologies and practical approaches to improve irrigation management of open field vegetable crops. <i>Agricultural Water Management</i> , 2020, 242, 106404.	5.6	49
15	Development and validation of an automatic thermal imaging process for assessing plant water status. <i>Agricultural Water Management</i> , 2011, 98, 1497-1504.	5.6	48
16	Effect of deficit irrigation on vine performance and grape composition of <i>Vitis vinifera</i> L. cv. Muscat of Alexandria. <i>Australian Journal of Grape and Wine Research</i> , 2017, 23, 251-259.	2.1	48
17	Thermographic measurement of canopy temperature is a useful tool for predicting water deficit effects on fruit weight in citrus trees. <i>Agricultural Water Management</i> , 2013, 122, 1-6.	5.6	47
18	Challenges of viticulture adaptation to global change: tackling the issue from the roots. <i>Australian Journal of Grape and Wine Research</i> , 2021, 27, 8-25.	2.1	46

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19	Early defoliation in a temperate warm and semi-arid Tempranillo vineyard: vine performance and grape composition. <i>Australian Journal of Grape and Wine Research</i> , 2014, 20, 111-122.	2.1	41
20	Usefulness of trunk diameter variations as continuous water stress indicators of pomegranate (<i>Punica granatum</i>) trees. <i>Agricultural Water Management</i> , 2011, 98, 1462-1468.	5.6	39
21	Effects of a commercial calcium protein hydrolysate on the salt tolerance of <i>Diospyros kaki</i> L. cv. 'Rojo Brillante' grafted on <i>Diospyros lotus</i> L. <i>Scientia Horticulturae</i> , 2015, 185, 129-138.	3.6	37
22	Water relations of field grown Pomegranate trees (<i>Punica granatum</i>) under different drip irrigation regimes. <i>Agricultural Water Management</i> , 2011, 98, 691-696.	5.6	36
23	Carry-over effects of deficit irrigation applied over seven seasons in a developing Japanese plum orchard. <i>Agricultural Water Management</i> , 2013, 128, 13-18.	5.6	30
24	Moderate plant water stress reduces fruit drop of 'Rojo Brillante' persimmon (<i>Diospyros kaki</i>) in a Mediterranean climate. <i>Agricultural Water Management</i> , 2013, 119, 154-160.	5.6	30
25	Early defoliation reduces cluster compactness and improves grape composition in Mandarín, an autochthonous cultivar of <i>Vitis vinifera</i> from southeastern Spain. <i>Scientia Horticulturae</i> , 2014, 167, 71-75.	3.6	30
26	Maximum diurnal trunk shrinkage is a sensitive indicator of plant water, stress in <i>Diospyros kaki</i> (Persimmon) trees. <i>Agricultural Water Management</i> , 2010, 98, 143-147.	5.6	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.	5.6	28
28	Interactive Effects of Irrigation and Crop Level on Tempranillo Vines in a Semiarid Climate. <i>American Journal of Enology and Viticulture</i> , 2015, 66, 101-111.	1.7	27
29	Forcing bud growth by double-pruning as a technique to improve grape composition of <i>Vitis vinifera</i> L. cv. Tempranillo in a semi-arid Mediterranean climate. <i>Scientia Horticulturae</i> , 2019, 256, 108614.	3.6	27
30	Nitrogen dynamics in cropping systems under Mediterranean climate: a systemic analysis. <i>Environmental Research Letters</i> , 2021, 16, 073002.	5.2	25
31	Validation of a methodology for grouping intakes of pressurized irrigation networks into sectors to minimize energy consumption. <i>Agricultural Water Management</i> , 2011, 102, 46-53.	5.6	21
32	Differences in specific chloride toxicity to <i>Diospyros kaki</i> cv. 'Rojo Brillante' grafted on <i>D. lotus</i> and <i>D. virginiana</i> . <i>Scientia Horticulturae</i> , 2017, 214, 83-90.	3.6	18
33	Regulated deficit irrigation in persimmon trees (<i>Diospyros kaki</i>) cv. 'Rojo Brillante'™. <i>Scientia Horticulturae</i> , 2013, 159, 134-142.	3.6	16
34	Effects of Water Deficit Irrigation on Phenolic Composition and Antioxidant Activity of Monastrell Grapes under Semiarid Conditions. <i>Antioxidants</i> , 2021, 10, 1301.	5.1	16
35	WATER RELATIONS OF FIELD GROWN DRIP IRRIGATED 'TEMPRANILLO' GRAPEVINES. <i>Acta Horticulturae</i> , 2005, , 317-324.	0.2	15
36	Cover crop evapotranspiration in a northeastern US Concord (<i>Vitis labruscana</i>) vineyard. <i>Australian Journal of Grape and Wine Research</i> , 2012, 18, 73-79.	2.1	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. <i>Agricultural Water Management</i> , 2021, 256, 107078.	5.6	12
38	EFFECTS OF LIGHT INTERCEPTION AND CANOPY ORIENTATION ON GRAPEVINE WATER STATUS AND CANOPY GAS EXCHANGE. <i>Acta Horticulturae</i> , 2011, , 99-104.	0.2	11
39	Mandarin irrigation scheduling by means of frequency domain reflectometry soil moisture monitoring. <i>Agricultural Water Management</i> , 2020, 235, 106151.	5.6	11
40	Irrigation water saving strategies in Citrus orchards: Analysis of the combined effects of timing and severity of soil water deficit. <i>Agricultural Water Management</i> , 2021, 248, 106773.	5.6	11
41	Nutrient status and irrigation management affect anthocyanins in "Mollar de Elche"™ pomegranate. <i>Acta Horticulturae</i> , 2015, , 85-92.	0.2	9
42	Row orientation effects on potted-vines performance and water-use efficiency. <i>Agricultural and Forest Meteorology</i> , 2020, 294, 108148.	4.8	9
43	Unravelling the effects of berry size on "Tempranillo"™ grapes under different field practices. <i>Ciencia E Tecnica Vitivinicola</i> , 2019, 34, 1-14.	0.9	8
44	CAN SAP FLOW PROBES BE USED FOR DETERMINING TRANSPIRATION OF CITRUS TREES UNDER DIFFERENT IRRIGATION REGIMES?. <i>Acta Horticulturae</i> , 2011, , 221-228.	0.2	7
45	Effects of leaning grapevine canopy to the West on water use efficiency and yield under Mediterranean conditions. <i>Agricultural and Forest Meteorology</i> , 2020, 295, 108166.	4.8	7
46	TRUNK DIAMETER VARIATIONS AS WATER STRESS INDICATOR IN PLUM AND GRAPEVINE. <i>Acta Horticulturae</i> , 2008, , 363-369.	0.2	7
47	Year, watering regime and foliar methyl jasmonate doped nanoparticles treatments: Effects on must nitrogen compounds in Monastrell grapes. <i>Scientia Horticulturae</i> , 2022, 297, 110944.	3.6	7
48	Effect of delaying winter pruning of Bobal and Tempranillo grapevines on vine performance, grape and wine composition. <i>Australian Journal of Grape and Wine Research</i> , 2021, 27, 94-105.	2.1	6
49	Standardization of the Dimensions of a Portable Weighing Lysimeter Designed to Be Applied to Vegetable Crops in Mediterranean Climates. <i>Sustainability</i> , 2021, 13, 2210.	3.2	5
50	Assessment of peach trees water status and leaf gas exchange using on-the-ground versus airborne-based thermal imagery. <i>Agricultural Water Management</i> , 2022, 267, 107628.	5.6	5
51	Crop load regulation and irrigation strategies to accelerate the recovery of previously water-stressed Japanese plum trees. <i>Agricultural Water Management</i> , 2014, 132, 23-29.	5.6	4
52	Usefulness of stem dendrometers as continuous indicator of loquat trees water status. <i>Agricultural Water Management</i> , 2014, 142, 110-114.	5.6	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. <i>Water (Switzerland)</i> , 2021, 13, 1795.	2.7	4

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55	LONG-TERM EFFECTS OF DEFICIT IRRIGATION AND SUBSEQUENT RECOVERY OF YOUNG JAPANESE PLUM TREES. <i>Acta Horticulturae</i> , 2011, , 241-248.	0.2	3
56	EARLY DEFOLIATION OF 'TEMPRANILLO' GRAPEVINES IN SEMI-ARID TERROIRS OF SPAIN. <i>Acta Horticulturae</i> , 2012, , 299-306.	0.2	3
57	EFFECTS OF EARLY DEFOLIATION IN GRAPE YIELD AND QUALITY IN 'MANDO', AN AUTOCHTHON CULTIVAR OF SOUTH-EAST SPAIN. <i>Acta Horticulturae</i> , 2012, , 365-370.	0.2	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. <i>Scientia Horticulturae</i> , 2022, 291, 110614.	3.6	3
60	Is deficit irrigation with saline waters a viable alternative for winegrowers in semiarid areas?. <i>Oeno One</i> , 2021, 56, 101-116.	1.4	3
61	FEASIBILITY OF USING LVDT AND WATERMARK SENSOR FOR IRRIGATION SCHEDULING IN PLUM. <i>Acta Horticulturae</i> , 2004, , 317-323.	0.2	2
62	USING THE HEAT PULSE "TMAX" PROCEDURE TO ESTIMATE GRAPEVINE WATER USE IN A HUMID CLIMATE. <i>Acta Horticulturae</i> , 2009, , 177-184.	0.2	2
63	SHORT-TERM EFFECTS OF REGULATED DEFICIT IRRIGATION OF 'ROJO BRILLANTE' PERSIMMON (DYOSPYROS) Tj ET Og 1 1 0.784314 r	0.2	2
64	RESPONSE OF GRAPEVINE CV. 'TEMPRANILLO' TO IRRIGATION AMOUNT AND PARTIAL ROOTZONE DRYING UNDER CONTRASTING CROP LOAD LEVELS. <i>Acta Horticulturae</i> , 2007, , 309-316.	0.2	2
65	EFFECTS OF CROP LEVEL AND IRRIGATION ON YIELD AND WINE QUALITY OF TEMPRANILLO GRAPEVINES IN A DRY YEAR. <i>Acta Horticulturae</i> , 2008, , 371-378.	0.2	2
66	SAP FLOW MEASUREMENTS TO ASSESS REGULATED DEFICIT IRRIGATION STRATEGIES ON CITRUS TREES. <i>Acta Horticulturae</i> , 2012, , 71-78.	0.2	2
67	Development of an Algorithm for an Automatic Determination of the Soil Field Capacity Using of a Portable Weighing Lysimeter. <i>Sensors</i> , 2021, 21, 7203.	3.8	2
68	Vineyard water balance and use. , 2022, , 105-123.		2
69	Plant-based sensing for irrigation management in the field. <i>Acta Horticulturae</i> , 2022, , 247-262.	0.2	2
70	Physiological and Transcriptional Responses to Saline Irrigation of Young 'Tempranillo' Vines Grafted Onto Different Rootstocks. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	2
71	Determining transpiration coefficients of 'Rojo Brillante' persimmon trees under Mediterranean climatic conditions. <i>Agricultural Water Management</i> , 2022, 271, 107804.	5.6	2
72	USEFULNESS OF STEM DENDROMETERS AS CONTINUOUS WATER STRESS INDICATORS OF LOQUAT TREE WATER STATUS. <i>Acta Horticulturae</i> , 2011, , 149-154.	0.2	1

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73	Quantifying persimmon tree responses to water and nutrients for designing efficient and sustainable fertirrigation protocols. <i>Acta Horticulturae</i> , 2018, , 99-104.	0.2	1
74	Persimmon (<i>Diospyros kaki</i>) 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. <i>Precision Agriculture</i> , 2022, 23, 1394-1412.	6.0	1
76	Recommendations on harvesting time based on physico-chemical quality parameter changes in â€™Mollar de Elcheâ€™ pomegranates. <i>Acta Horticulturae</i> , 2019, , 121-128.	0.2	0
77	Quantifying pomegranate tree responses to water and nutrients for a sustainable fertirrigation. <i>Acta Horticulturae</i> , 2019, , 193-198.	0.2	0
78	Evaluating the effect of different management practices on vineyard evapotranspiration by using remote sensing-based energy balance models. <i>Acta Horticulturae</i> , 2021, , 53-60.	0.2	0
79	IS PRE-VERAISON IRRIGATION CLIT-OFF MORE CONVENIENT THAN POST-VERAISON WATER STRESS AS A STRATEGY TO IMPROVE GRAPE COMPOSITION IN VITIS VINIFERA 'TEMPRANILLO' IN SPAIN?. <i>Acta Horticulturae</i> , 2011, , 75-82.	0.2	0
80	EFFECTS OF POST-VERAISON IRRIGATION DOSE ON 'CABERNET SAUVIGNON' VINES IN A DRY AND WARM SEASON IN VALENCIA, SPAIN. <i>Acta Horticulturae</i> , 2011, , 375-380.	0.2	0