

Alberto Palliotti

List of Publications by Year in descending order

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186265

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times ranked

2293
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#	ARTICLE	IF	CITATIONS
1	Stomatal closure is induced by hydraulic signals and maintained by ABA in drought-stressed grapevine. <i>Scientific Reports</i> , 2015, 5, 12449.	3.3	245
2	Changes in vineyard establishment and canopy management urged by earlier climate-related grape ripening: A review. <i>Scientia Horticulturae</i> , 2014, 178, 43-54.	3.6	209
3	Grapevine quality: A multiple choice issue. <i>Scientia Horticulturae</i> , 2018, 234, 445-462.	3.6	183
4	Effects of a biostimulant derived from the brown seaweed <i>Ascophyllum nodosum</i> on ripening dynamics and fruit quality of grapevines. <i>Scientia Horticulturae</i> , 2018, 232, 97-106.	3.6	107
5	Early Leaf Removal to Improve Vineyard Efficiency: Gas Exchange, Source-to-Sink Balance, and Reserve Storage Responses. <i>American Journal of Enology and Viticulture</i> , 2011, 62, 219-228.	1.7	98
6	Effect of water stress "memory" on plant behavior during subsequent drought stress. <i>Environmental and Experimental Botany</i> , 2018, 150, 106-114.	4.2	83
7	Relationships between stomatal behavior, xylem vulnerability to cavitation and leaf water relations in two cultivars of <i>Vitis vinifera</i> . <i>Physiologia Plantarum</i> , 2014, 152, 453-464.	5.2	68
8	Is stored malate the quantitatively most important substrate utilised by respiration and ethanolic fermentation in grape berry pericarp during ripening?. <i>Plant Physiology and Biochemistry</i> , 2014, 76, 52-57.	5.8	59
9	Postveraison Application of Antitranspirant Di-1- <i>p</i> -Menthene to Control Sugar Accumulation in Sangiovese Grapevines. <i>American Journal of Enology and Viticulture</i> , 2013, 64, 378-385.	1.7	54
10	Influence of mechanical postveraison leaf removal apical to the cluster zone on delay of fruit ripening in Sangiovese (<i>Vitis vinifera</i> L.) grapevines. <i>Australian Journal of Grape and Wine Research</i> , 2013, 19, n/a-n/a.	2.1	50
11	Calibration and Evaluation of a STELLA Software-based Daily CO ₂ Balance Model in <i>Vitis vinifera</i> L.. <i>Journal of the American Society for Horticultural Science</i> , 2006, 131, 273-283.	1.0	50
12	Distinct transcriptome responses to water limitation in isohydric and anisohydric grapevine cultivars. <i>BMC Genomics</i> , 2016, 17, 815.	2.8	49
13	Phenology, Canopy Aging and Seasonal Carbon Balance as Related to Delayed Winter Pruning of <i>Vitis vinifera</i> L. cv. Sangiovese Grapevines. <i>Frontiers in Plant Science</i> , 2016, 7, 659.	3.6	47
14	Morpho-structural and physiological response of container-grown Sangiovese and Montepulciano cvv. (<i>Vitis vinifera</i>) to re-watering after a pre-veraison limiting water deficit. <i>Functional Plant Biology</i> , 2014, 41, 634.	2.1	46
15	Sentinel-2 Validation for Spatial Variability Assessment in Overhead Trellis System Viticulture Versus UAV and Agronomic Data. <i>Remote Sensing</i> , 2019, 11, 2573.	4.0	46
16	Postbudburst Spur Pruning Reduces Yield and Delays Fruit Sugar Accumulation in Sangiovese in Central Italy. <i>American Journal of Enology and Viticulture</i> , 2016, 67, 419-425.	1.7	45
17	Early source limitation as a tool for yield control and wine quality improvement in a high-yielding red <i>Vitis vinifera</i> L. cultivar. <i>Scientia Horticulturae</i> , 2012, 145, 10-16.	3.6	44
18	Multisensor approach to assess vineyard thermal dynamics combining high-resolution unmanned aerial vehicle (UAV) remote sensing and wireless sensor network (WSN) proximal sensing. <i>Scientia Horticulturae</i> , 2017, 221, 83-87.	3.6	43

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19	Vine performance and grape composition as affected by early-season source limitation induced with anti-transpirants in two red <i>Vitis vinifera</i> L. cultivars. <i>Australian Journal of Grape and Wine Research</i> , 2010, 16, 426-433.	2.1	41
20	Mechanical winter pruning of grapevine: Physiological bases and applications. <i>Scientia Horticulturae</i> , 2016, 204, 88-98.	3.6	41
21	Freezing injury in the olive leaf and effects of mefluidide treatment. <i>The Journal of Horticultural Science</i> , 1996, 71, 57-63.	0.3	40
22	Late leaf removal aimed at delaying ripening in cv. Sangiovese: physiological assessment and vine performance. <i>Australian Journal of Grape and Wine Research</i> , 2013, 19, n/a-n/a.	2.1	38
23	Influence of light exposure on characteristics and storage life of kiwifruit. <i>New Zealand Journal of Crop and Horticultural Science</i> , 1993, 21, 85-90.	1.3	37
24	Physiological parameters and protective energy dissipation mechanisms expressed in the leaves of two <i>Vitis vinifera</i> L. genotypes under multiple summer stresses. <i>Journal of Plant Physiology</i> , 2015, 185, 84-92.	3.5	35
25	CLUSTER THINNING EFFECTS ON YIELD AND GRAPE COMPOSITION IN DIFFERENT GRAPEVINE CULTIVARS. <i>Acta Horticulturae</i> , 2000, , 111-120.	0.2	34
26	Manipulation of ripening via antitranspirants in cv. Barbera (<i>Vitis vinifera</i> L.). <i>Australian Journal of Grape and Wine Research</i> , 2016, 22, 245-255.	2.1	34
27	Metabolic and transcriptional changes associated with the use of <i>Ascophyllum nodosum</i> extracts as tools to improve the quality of wine grapes (<i>Vitis vinifera</i> cv. Sangiovese) and their tolerance to biotic stress. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 6350-6363.	3.5	33
28	Understanding kaolin effects on grapevine leaf and whole-canopy physiology during water stress and re-watering. <i>Journal of Plant Physiology</i> , 2019, 242, 153020.	3.5	30
29	Influence of leaf position, fruit and light availability on photosynthesis of two chestnut genotypes. <i>Scientia Horticulturae</i> , 2000, 85, 63-73.	3.6	27
30	Optimizing deficit irrigation strategies to manage vine performance and fruit composition of field-grown "Sangiovese" (<i>Vitis vinifera</i> L.) grapevines. <i>Scientia Horticulturae</i> , 2014, 179, 239-247.	3.6	27
31	Malate as substrate for catabolism and gluconeogenesis during ripening in the pericarp of different grape cultivars. <i>Biologia Plantarum</i> , 2016, 60, 155-162.	1.9	27
32	Delaying winter pruning, after pre-pruning, alters budburst, leaf area, photosynthesis, yield and berry composition in Sangiovese (<i>Vitis vinifera</i> L.). <i>Australian Journal of Grape and Wine Research</i> , 2018, 24, 478-486.	2.1	27
33	Relationship among night temperature, carbohydrate translocation and inhibition of grapevine leaf photosynthesis. <i>Environmental and Experimental Botany</i> , 2019, 157, 293-298.	4.2	27
34	Effects of leaf to fruit ratios on fruit growth in chestnut. <i>Scientia Horticulturae</i> , 2000, 85, 145-152.	3.6	26
35	Foliar vs. soil application of <i>Ascophyllum nodosum</i> extracts to improve grapevine water stress tolerance. <i>Scientia Horticulturae</i> , 2021, 277, 109807.	3.6	26
36	An Open-Source and Low-Cost Monitoring System for Precision Enology. <i>Sensors</i> , 2014, 14, 23388-23397.	3.8	24

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37	Transcriptional Responses to Pre-flowering Leaf Defoliation in Grapevine Berry from Different Growing Sites, Years, and Genotypes. <i>Frontiers in Plant Science</i> , 2017, 8, 630.	3.6	23
38	Canopy management strategies to control yield and grape composition of Montepulciano grapevines. <i>Australian Journal of Grape and Wine Research</i> , 2019, 25, 30-42.	2.1	23
39	Kaolin Reduces ABA Biosynthesis through the Inhibition of Neoxanthin Synthesis in Grapevines under Water Deficit. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4950.	4.1	21
40	Optimum leaf area index in T-bar trained kiwifruit vines. <i>The Journal of Horticultural Science</i> , 1994, 69, 339-350.	0.3	20
41	Contribution of the adaxial and abaxial surfaces of olive leaves to photosynthesis. <i>Photosynthetica</i> , 1997, 33, 63-69.	1.7	19
42	A new closing Y-shaped training system for grapevines. <i>Australian Journal of Grape and Wine Research</i> , 2012, 18, 57-63.	2.1	19
43	Changes in Within-Shoot Carbon Partitioning in Pinot Noir Grapevines Subjected to Early Basal Leaf Removal. <i>Frontiers in Plant Science</i> , 2018, 9, 1122.	3.6	19
44	POST-VERAISON MECHANICAL LEAF REMOVAL DELAYS BERRY RIPENING ON 'SANGIOVESE' AND 'MONTEPULCIANO' GRAPEVINES. <i>Acta Horticulturae</i> , 2013, , 327-333.	0.2	18
45	Spectral characteristics and a possible topological assignment of blue green fluorescence excited by UV laser on leaves of unrelated species. <i>Remote Sensing of Environment</i> , 1994, 47, 55-64.	11.0	17
46	Impact of Crop Control Strategies on Performance of High-Yielding Sangiovese Grapevines. <i>American Journal of Enology and Viticulture</i> , 2016, 67, 407-418.	1.7	17
47	Blue-green fluorescence excited by UV laser on leaves of different species originates from cutin and is sensitive to leaf temperature. <i>Plant, Cell and Environment</i> , 1994, 17, 777-780.	5.7	16
48	Kaolin treatments on Pinot noir grapevines for the control of heat stress damages. <i>BIO Web of Conferences</i> , 2019, 13, 04004.	0.2	15
49	Gas exchange and water-use efficiency of cv. Sangiovese grafted to rootstocks of varying water-deficit tolerance. <i>Irrigation Science</i> , 2016, 34, 105-116.	2.8	14
50	Kaolin treatments on Tonda Giffoni hazelnut (<i>Corylus avellana</i> L.) for the control of heat stress damages. <i>Scientia Horticulturae</i> , 2020, 263, 109097.	3.6	14
51	Morpho-structural and physiological performance of Sangiovese and Montepulciano cvv. (Vitis Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.1	14
52	Climate change effects on cv. Montepulciano in some wine-growing areas of the Abruzzi region (Italy). <i>Theoretical and Applied Climatology</i> , 2019, 136, 1145-1155.	2.8	13
53	Effects of Natural Hail on the Growth, Physiological Characteristics, Yield, and Quality of <i>Vitis vinifera</i> L. cv. Thompson Seedless under Mediterranean Growing Conditions. <i>Agronomy</i> , 2019, 9, 197.	3.0	12
54	Evaluation of low-energy demand adaptive mechanisms in Sangiovese grapevine during drought. <i>Oeno One</i> , 2016, 42, 41.	1.4	12

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55	Mitigation of multiple summer stresses on hazelnut (<i>Corylus avellana</i> L.): effects of the new arbuscular mycorrhiza <i>Glomus iranicum tenuipharum</i> sp. nova. <i>Scientia Horticulturae</i> , 2019, 257, 108659.	3.6	10
56	Olive. , 2018, , 165-187.		10
57	RESPIRATION ACTIVITY IN DIFFERENT ABOVE-GROUND ORGANS OF <i>VITIS VINIFERA</i> L. IN RESPONSE TO TEMPERATURE AND DEVELOPMENTAL STAGE. <i>Acta Horticulturae</i> , 2005, , 159-166.	0.2	9
58	EFFECTS OF LATE MECHANIZED LEAF REMOVAL ABOVE THE CLUSTERS ZONE TO DELAY GRAPE RIPENING IN 'SANGIOVESE' VINES. <i>Acta Horticulturae</i> , 2013, , 301-307.	0.2	9
59	INFLUENCE OF TIMING OF SUMMER HEDGING ON YIELD AND GRAPE QUALITY IN SOME RED AND WHITE GRAPEVINE CULTIVARS. <i>Acta Horticulturae</i> , 2000, , 101-110.	0.2	8
60	Nebulized water cooling of the canopy affects leaf temperature, berry composition and wine quality of Sauvignon blanc. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 1267-1275.	3.5	8
61	EFFECTS OF TRAINING SYSTEM ON TREE GROWTH, YIELD AND OIL CHARACTERISTICS IN DIFFERENT OLIVE CULTIVARS. <i>Acta Horticulturae</i> , 1999, , 189-192.	0.2	6
62	SEASONAL DRY MATTER PRODUCTION IN FIELD-GROWN SANGIOVESE AND MONTEPULCIANO GRAPEVINES (<i>VITIS VINIFERA</i> L.). <i>Acta Horticulturae</i> , 2004, , 127-133.	0.2	6
63	Effects of anti-transpirant di-menthene, sprayed post-veraison, on berry ripening of Sangiovese grapevines with different crop loads. <i>Australian Journal of Grape and Wine Research</i> , 2020, 26, 363-371.	2.1	6
64	Mid-Term Effects of Conservative Soil Management and Fruit-Zone Early Leaf Removal Treatments on the Performance of Nerello Mascalese (<i>Vitis vinifera</i> L.) Grapes on Mount Etna (Southern Italy). <i>Agronomy</i> , 2021, 11, 1070.	3.0	6
65	Influence of assimilate availability on translocation and sink strength in kiwifruit. <i>New Zealand Journal of Crop and Horticultural Science</i> , 1993, 21, 177-182.	1.3	5
66	LONG-TERM EFFECTS OF SEEDED COVER-CROP ON VEGETATIVE CHARACTERISTICS, YIELD AND GRAPE AND WINE COMPOSITION OF 'GRECHETTO' GRAPEVINES IN CENTRAL ITALY. <i>Acta Horticulturae</i> , 2007, , 515-521.	0.2	5
67	AVAILABILITY OF ASSIMILATES AND DEVELOPMENT OF OLIVE FRUIT. <i>Acta Horticulturae</i> , 1999, , 297-300.	0.2	4
68	DOWN-REGULATION OF PHOTOSYNTHETIC ACTIVITY FOR FIELD-GROWN GRAPEVINES. <i>Acta Horticulturae</i> , 2005, , 285-292.	0.2	4
69	PATTERNS OF ANATOMY DIFFERENTIATION, GROWTH AND PHYSIOLOGY ACTIVITY FOLLOWING PACLOBUTRAZOL APPLICATION IN CHESTNUT. <i>Acta Horticulturae</i> , 1998, , 177-184.	0.2	3
70	An enhanced method to infer gas exchange function in peach trees having different canopy shapes based on canopy quantum flux absorption assessment. <i>Agricultural and Forest Meteorology</i> , 2016, 221, 1-12.	4.8	3
71	A possible role of leaf vascular network in heat dissipation in <i>Vitis vinifera</i> L.. <i>Revista Brasileira De Botanica</i> , 2018, 41, 227-231.	1.3	3
72	Plant and leaf responses to cycles of water stress and re-watering of 'Sangiovese' grapevine. <i>Folia Horticulturae</i> , 2018, 30, 27-38.	1.8	3

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73	Insulating Organic Material as a Protection System against Late Frost Damages on the Vine Shoots. Sustainability, 2020, 12, 6279.	3.2	3
74	Effects of limited irrigation water volumes on near-isohydric "Montepulciano" vines trained to overhead trellis system. Acta Physiologiae Plantarum, 2020, 42, 1.	2.1	3
75	Ampelographic and genetic characterisation of ancestral grapevine (<i>Vitis vinifera</i> L.) accessions present in the Umbria Region (Central Italy). Journal of Horticultural Science and Biotechnology, 2013, 88, 525-530.	1.9	2
76	Vegetative development and berry growth in relation to heat accumulation in Sangiovese vines subjected to double pruning at three different times. BIO Web of Conferences, 2019, 13, 04001.	0.2	2
77	Effects of a new arbuscular mycorrhizal fungus (<i>Glomus iranicum</i>) on grapevine development. BIO Web of Conferences, 2019, 13, 04018.	0.2	2
78	A NATURAL ORGANIC COATING TO CONTROL AND MINIMIZE LATE FROST DAMAGES ON WINE SHOOTS. Heat Transfer Research, 2020, 51, 1625-1635.	1.6	2
79	INFLUENCE OF LEAF POSITION, FRUIT AND LIGHT AVAILABILITY ON PHOTOSYNTHESIS IN DIFFERENT CHESTNUT GENOTYPES. Acta Horticulturae, 1999, , 179-186.	0.2	1
80	ANALYSIS OF "SINK-PHOTOASSIMILATION" RELATIONSHIP IN FIELD-GROWN 'CABERNET SAUVIGNON' GRAPEVINES. Acta Horticulturae, 2012, , 151-156.	0.2	1
81	Life Cycle Assessment of an Innovative Technology against Late Frosts in Vineyard. Sustainability, 2021, 13, 5562.	3.2	1
82	OPTIMIZATION OF CPPU (CYTOKININ) TREATMENT ON ACTINIDIA DELICIOSA. Acta Horticulturae, 1998, , 425-434.	0.2	0
83	SEASONAL TRENDS OF GRAPEVINE PHYSIOLOGICAL PERFORMANCE AND SOIL WATER CONTENT OF 'SANGIOVESE' (<i>VITIS VINIFERA</i> L.) FIELD PLOTS UNDER REGULATED DEFICIT IRRIGATION. Acta Horticulturae, 2012, , 461-468.	0.2	0
84	Carbon partitioning between shoot organs following early leaf removal. BIO Web of Conferences, 2019, 13, 03002.	0.2	0
85	EFFECT OF LEAF TO FRUIT RATIOS ON FRUIT GROWTH IN CHESTNUT. Acta Horticulturae, 1999, , 155-160.	0.2	0