Osvaldo Failla

List of Publications by Year
in descending order

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99	2,420	172207	233125
papers	citations	29	45
		h-index	g-index

106	106	106	2557
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Early Neolithic wine of Georgia in the South Caucasus. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10309-E10318.	3.3	192
2	Influence of cultivar and site of cultivation on levels of lipophilic and hydrophilic antioxidants in virgin olive oils (Olea Europea L.) and correlations with oxidative stability. Scientia Horticulturae, 2007, 112, 108-119.	1.7	156
3	Genetic diversity analysis of cultivated and wild grapevine (Vitis vinifera L.) accessions around the Mediterranean basin and Central Asia. BMC Plant Biology, 2018, 18, 137.	1.6	118
4	Proteome changes in the skin of the grape cultivar Barbera among different stages of ripening. BMC Genomics, 2008, 9, 378.	1.2	112
5	The arrest of development of abortive reproductive organs in the unisexual flower of Vitis vinifera ssp. silvestris. Sexual Plant Reproduction, 2003, 15, 291-300.	2.2	81
6	Biochemical and physiological responses of two grapevine rootstock genotypes to drought and salt treatments. Australian Journal of Grape and Wine Research, 2014, 20, 310-323.	1.0	76
7	Chloroplast Microsatellites to Investigate the Origin of Grapevine. Genetic Resources and Crop Evolution, 2006, 53, 1003-1011.	0.8	75
8	Phylogeographical structure and conservation genetics of wild grapevine. Conservation Genetics, 2006, 7, 837-845.	0.8	75
9	Study of genetic variability in Vitis vinifera L. germplasm by high-throughput Vitis18kSNP array: the case of Georgian genetic resources. BMC Plant Biology, 2015, 15, 154.	1.6	68
10	From the cradle of grapevine domestication: molecular overview and description of Georgian grapevine (Vitis vinifera L.) germplasm. Tree Genetics and Genomes, 2013, 9, 641-658.	0.6	65
11	Cultivar influence on virgin olive (Olea europea L.) oil flavor based on aromatic compounds and sensorial profile. Scientia Horticulturae, 2008, 118, 139-148.	1.7	60
12	The vintage effect overcomes the terroir effect: a three year survey on the wine yeast biodiversity in Franciacorta and OltrepÃ² Pavese, two northern Italian vine-growing areas. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.7	53
13	Tuning color variation in grape anthocyanins at the molecular scale. Food Chemistry, 2013, 141, 4349-4357.	4.2	50
14	Unique resistance traits against downy mildew from the center of origin of grapevine (Vitis vinifera). Scientific Reports, 2018, 8, 12523.	1.6	50
15	Copigmentation and anti-copigmentation in grape extracts studied by spectrophotometry and post-column-reaction HPLC. Food Chemistry, 2012, 132, 2194-2201.	4.2	45
16	Root proteomic and metabolic analyses reveal specific responses to drought stress in differently tolerant grapevine rootstocks. BMC Plant Biology, 2018, 18, 126.	1.6	43
17	Identification and Characterization of New â€˜Candidatus Phytoplasma solaniâ€™ Strains Associated with Bois Noir Disease in Vitis vinifera L. Cultivars Showing a Range of Symptom Severity in Georgia, the Caucasus Region. Plant Disease, 2016, 100, 904-915.	0.7	42
18	Linkage Mapping and Molecular Diversity at the Flower Sex Locus in Wild and Cultivated Grapevine Reveal a Prominent SSR Haplotype in Hermaphrodite Plants. Molecular Biotechnology, 2013, 54, 1031-1037.	1.3	41

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19	Indigenous Georgian Wine-Associated Yeasts and Grape Cultivars to Edit the Wine Quality in a Precision Oenology Perspective. Frontiers in Microbiology, 2016, 7, 352.	1.5	40
20	Characterization of Grape (Vitis vinifera L.) Berry Sunburn Symptoms by Reflectance. Journal of Agricultural and Food Chemistry, 2014, 62, 3043-3046.	2.4	39
21	Rpv29, Rpv30 and Rpv31: Three Novel Genomic Loci Associated With Resistance to Plasmopara viticola in Vitis vinifera. Frontiers in Plant Science, 2020, 11, 562432.	1.7	38
22	Climate change in Europe and effects on thermal resources for crops. International Journal of Biometeorology, 2012, 56, 1123-1134.	1.3	37
23	Novel Aspects on The Interaction Between Grapevine and Plasmopara viticola: Dual-RNA-Seq Analysis Highlights Gene Expression Dynamics in The Pathogen and The Plant During The Battle For Infection. Genes, 2020, 11, 261.	1.0	37
24	The effects of early leaf removal and cluster thinning treatments on berry growth and grape composition in cultivars Vranac and Cabernet Sauvignon. Chemical and Biological Technologies in Agriculture, 2015, 2, .	1.9	35
25	BerryToneâ€"A simulation model for the daily course of grape berry temperature. Agricultural and Forest Meteorology, 2009, 149, 1215-1228.	1.9	33
26	Iron, magnesium, nitrogen and potassium deficiency symptom discrimination by reflectance spectroscopy in grapevine leaves. Scientia Horticulturae, 2018, 241, 152-159.	1.7	33
27	The use of AFLP and SSR molecular markers to decipher homonyms and synonyms in grapevine cultivars: the case of the varietal group known as â€™â€™Schiaveâ€™â€™. Theoretical and Applied Genetics, 2001, 102, 200-205.	1.8	32
28	From plant resistance response to the discovery of antimicrobial compounds: The role of volatile organic compounds (VOCs) in grapevine downy mildew infection. Plant Physiology and Biochemistry, 2021, 160, 294-305.	2.8	32
29	Italian wild grapevine (Vitis vinifera L. subsp. sylvestris) population: insights into eco-geographical aspects and genetic structure. Tree Genetics and Genomes, 2014, 10, 1369-1385.	0.6	31
30	Genetic Isolation and Diffusion of Wild Grapevine Italian and Spanish Populations as Estimated by Nuclear and Chloroplast SSR Analysis. Plant Biology, 2003, 5, 608-614.	1.8	30
31	Chlorophyll role in berry sunburn symptoms studied in different grape (Vitis vinifera L.) cultivars. Scientia Horticulturae, 2015, 185, 145-150.	1.7	28
32	Collection and characterization of grapevine genetic resources (Vitis vinifera) in the Holy Land, towards the renewal of ancient winemaking practices. Scientific Reports, 2017, 7, 44463.	1.6	28
33	Grape Colour Phenotyping: Development of a Method Based on the Reflectance Spectrum. Phytochemical Analysis, 2013, 24, 453-459.	1.2	27
34	Pedigree Reconstruction of the Italian Grapevine Aglianico (Vitis vinifera L.) from Campania. Molecular Biotechnology, 2013, 54, 634-642.	1.3	26
35	Georgian Grapevine Cultivars: Ancient Biodiversity for Future Viticulture. Frontiers in Plant Science, 2021, 12, 630122.	1.7	26
36	Oxidations in white grape (Vitis vinifera L.) skins: Comparison between ripening process and photooxidative sunburn symptoms. Plant Physiology and Biochemistry, 2020, 150, 270-278.	2.8	25

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37	RNAi of a Putative Grapevine Susceptibility Gene as a Possible Downy Mildew Control Strategy. Frontiers in Plant Science, 2021, 12, 667319.	1.7	25
38	IPHENâ€"a real-time network for phenological monitoring and modelling in Italy. International Journal of Biometeorology, 2013, 57, 881-893.	1.3	24
39	Allelic variation in the VvMYBA1 and VvMYBA2 domestication genes in natural grapevine populations (Vitis vinifera subsp. sylvestris). Plant Systematics and Evolution, 2015, 301, 1613-1624.	0.3	21
40	Ecological and sanitary characteristics of the Eurasian wild grapevine (Vitis vinifera L. ssp.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Characterisation and Utilisation, 2012, 10, 155-162.	0.4	20
41	Environmental and seasonal influence on virgin olive (Olea europaea L.) oil volatiles in northern Italy. Scientia Horticulturae, 2009, 122, 385-392.	1.7	18
42	Genetic characterization of Sardinia grapevine cultivars by SSR markers analysis. Oeno One, 2016, 41, 175.	0.7	15
43	Water status, growth and calcium nutrition of apple trees in relation to bitter pit. Scientia Horticulturae, 1990, 42, 55-64.	1.7	14
44	Regional and cultivar comparison of Italian single cultivar olive oils according to flavor profiling. European Journal of Lipid Science and Technology, 2013, 115, 196-210.	1.0	14
45	SCREENING OF THE GEORGIAN GRAPE GERMPLASM TO SUSCEPTIBILITY OF DOWNY MILDEW: PRELIMINARY RESULTS. Acta Horticulturae, 2014, , 191-196.	0.1	14
46	First Report of â€˜Candidatus Phytoplasma solaniâ€™ and â€˜Ca. P. convolvuliâ€™ Associated with Grapevine Bois Noir and Bindweed Yellows, Respectively, in Georgia. Plant Disease, 2014, 98, 1151-1151.	0.7	13
47	Proteomic and metabolic traits of grape exocarp to explain different anthocyanin concentrations of the cultivars. Frontiers in Plant Science, 2015, 6, 603.	1.7	12
48	Stem Xylem Characterization for Vitis Drought Tolerance. Journal of Agricultural and Food Chemistry, 2016, 64, 5317-5323.	2.4	12
49	Characterization of iron deficiency symptoms in grapevine (Vitis spp.) leaves by reflectance spectroscopy. Plant Physiology and Biochemistry, 2017, 118, 342-347.	2.8	12
50	Candidate genes and SNPs associated with stomatal conductance under drought stress in Vitis. BMC Plant Biology, 2021, 21, 7.	1.6	12
51	Susceptibility of cypress seedlings to the eriophyoid mite Trisetacus juniperinus. Experimental and Applied Acarology, 2002, 26, 195-207.	0.7	11
52	Genetic investigation of grapevine varieties â€˜Ribolla Giallaâ€™ (Italy), â€˜Rebulaâ€™ (Slovenia) and â€˜Robolaâ€™ (Ionian Islands). Scientia Horticulturae, 2013, 150, 425-431.	1.7	11
53	Utilization of a freeze-thaw treatment to enhance phenolic ripening and tannin oxidation of grape seeds in red (Vitis vinifera L.) cultivars. Food Chemistry, 2018, 259, 139-146.	4.2	11
54	THIRTEEN YEARS OF LEAF ANALYSIS APPLIED TO ITALIAN VITICULTURE, OLIVE AND FRUIT GROWING. Acta Horticulturae, 2001, , 413-420.	0.1	10

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55	Evaluation of tannins interactions in grape (Vitis vinifera L.) skins. Food Chemistry, 2014, 159, 323-327.	4.2	10
56	APPLICATION OF STANDARD METHODS FOR THE GRAPEVINE (VITIS VINIFERA L.) PHENOTYPIC DIVERSITY EXPLORATION: PHENOLOGICAL TRAITS. Acta Horticulturae, 2014, , 253-260.	0.1	10
57	Root Proteomic Analysis of Two Grapevine Rootstock Genotypes Showing Different Susceptibility to Salt Stress. International Journal of Molecular Sciences, 2020, 21, 1076.	1.8	10
58	Influence of two grinding methods on the uncertainty of determinations of heavy metals in atomic absorption spectrometry/electrothermal atomisation of plant samples. Accreditation and Quality Assurance, 1998, 3, 122-126.	0.4	9
59	Grape and wine culture in Georgia, the South Caucasus. BIO Web of Conferences, 2016, 7, 03027.	0.1	9
60	Bunch exposure to direct solar radiation increases ortho-diphenol anthocyanins in Northern Italy climatic condition. Oeno One, 2016, 45, 85.	0.7	9
61	Effects of nutrient spray applications on malic and tartaric acid levels in grapevine berry. Journal of Plant Nutrition, 1996, 19, 41-50.	0.9	8
62	GENOTYPE-ENVIRONMENT-YEAR INTERACTION ON OIL ANTIOXIDANTS IN AN OLIVE DISTRICT OF NORTHERN ITALY. Acta Horticulturae, 2002, , 171-174.	0.1	8
63	Water deficit effects on grapevine woody tissue pigmentations. Zahradnictvi (Prague, Czech Republic:) Tj ETQq1 1 0.784314 rgBT /Over	0.3	7
64	SOIL AND LEAF ANALYSIS: EFFECT OF PEDO-CLIMATIC, CULTURAL AND GENETIC FACTORS ON THEIR CALIBRATION AND INTERPRETATION. Acta Horticulturae, 1997, , 225-232.	0.1	6
65	Renewal of wild grapevine (Vitis vinifera L. subsp. sylvestris (Gmelin) Hegi) populations through sexual pathway: Some Italian case studies. Flora: Morphology, Distribution, Functional Ecology of Plants, 2016, 219, 85-93.	0.6	6
66	Pink berry grape (Vitis vinifera L.) characterization: Reflectance spectroscopy, HPLC and molecular markers. Plant Physiology and Biochemistry, 2016, 98, 138-145.	2.8	6
67	CONSERVATION AND SUSTAINABLE USE OF GRAPEVINE GENETIC RESOURCES IN THE CAUCASUS AND NORTHERN BLACK SEA REGION. Acta Horticulturae, 2009, , 155-158.	0.1	5
68	CHARACTERISATION OF LOCAL OLIVE (OLEA EUROPAEA L.) ACCESSIONS BY OIL COMPOSITION, MORPHOLOGICAL AND MOLECULAR MARKERS METHODS. Acta Horticulturae, 2002, , 57-60.	0.1	5
69	GENETIC AND PHENETIC EXPLORATION OF GEORGIAN GRAPEVINE GERMPLASM. Acta Horticulturae, 2009, , 107-114.	0.1	5
70	Are the differences among samples from agricultural trials analyzed by routine procedures experimental or only analytical?. Communications in Soil Science and Plant Analysis, 1996, 27, 1403-1416.	0.6	4
71	THE ARREST OF DEVELOPMENT OF USELESS REPRODUCTIVE ORGANS IN THE UNISEXUAL FLOWER OF VITIS VINIFERA SSP SILVESTRIS. Acta Horticulturae, 2003, , 225-228.	0.1	3
72	A SIMULATION MODEL FOR THE DAILY COURSE OF GRAPE BERRY TEMPERATURE. Acta Horticulturae, 2007, , 401-406.	0.1	3

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73	Influence of climate cycles on grapevine domestication and ancient migrations in Eurasia. Science of the Total Environment, 2018, 635, 1240-1254.	3.9	3
74	Identification of disease resistance-linked alleles in Vitis vinifera germplasm. BIO Web of Conferences, 2019, 13, 01004.	0.1	3
75	Disfunctions in the anthocyanin accumulation of Vitis vinifera L. varieties studied by a targeted resequencing approach. Journal of Berry Research, 2020, , 1-19.	0.7	3
76	Comparison between the Grape Technological Characteristics of Vitis vinifera Subsp. sylvestris and Subsp. sativa. Agronomy, 2021, 11, 472.	1.3	3
77	ADAPTIVE RESPONSES OF VITIS SPP. AND PRUNUS SPP. TO FE -DEFICIENCY INDUCED BY HCO3-. Acta Horticulturae, 2001, , 359-364.	0.1	2
78	'RIBOLLA GIALLA' FROM NORTH EASTERN ITALY, 'REBULA' FROM NORTHERN BALKANS AND 'ROBOLA' FROM IONIAN ISLANDS; DO THEY BELONG TO THE SAME POPULATION VARIETY OR ARE THEY GENETICALLY DIFFERENT?. Acta Horticulturae, 2014, , 645-652.	0.1	2
79	Yeast DNA recovery during the secondary fermentation step of Lombardy sparkling wines produced by Champenoise method. European Food Research and Technology, 2015, 240, 885-895.	1.6	2
80	MOLECULAR, CHEMICAL AND MORPHOLOGICAL TOOLS TO EXPLORE VERTZAMI / MARZEMINO / BARZEMINO / BALSAMINA CULTIVAR GROUP. Acta Horticulturae, 2003, , 217-223.	0.1	2
81	Dissecting the susceptibility/resistance mechanism of Vitis vinifera for the future control of downy mildew. BIO Web of Conferences, 2022, 44, 04002.	0.1	2
82	MOLECULAR SURVEY OF GEORGIAN TRADITIONAL GRAPEVINE GENETIC RESOURCES. Acta Horticulturae, 2014, , 581-586.	0.1	1
83	EVALUATION OF FOUR NEW ROOTSTOCK GENOTYPES OBTAINED BY BACK CROSS. Acta Horticulturae, 2014, , 297-302.	0.1	1
84	Methods to dissect grapevine rootstocks responses to drought stress. Acta Horticulturae, 2016, , 229-234.	0.1	1
85	Designs of (Changes in) Protection Measures Against Extreme Climate in Agroforestry. , 2010, , 689-691.		1
86	Problems and Solutions in Using of and Coping with Weather Phenomena in Need of Tactical Decision Making and Challenges Remaining for the Use of Science to Contribute to Problem Analyses and Designing Viable Solutions in This Context: Non-forest Trees. , 2010, , 731-738.		1
87	TREE NUTRITIONAL STATUS IN RELATION TO SOIL PEDOGENETIC DESCRIPTION: A CASE STUDY. Acta Horticulturae, 2001, , 229-234.	0.1	0
88	ANALYSIS OF GENETIC STRUCTURE OF TWELVE SICILIAN GRAPEVINE CULTIVARS. Acta Horticulturae, 2014, , 677-680.	0.1	0
89	SKIN PROTEOMIC COMPARISON AMONG FOUR GRAPE CULTIVARS WITH DIFFERENT ANTHOCYANIN CONTENTS. Acta Horticulturae, 2014, , 685-693.	0.1	0
90	ITALIAN WILD GRAPEVINE: A STATE OF THE ART ON GERMPLASM AND CONSERVATION IN 2010; THE YEAR OF BIODIVERSITY. Acta Horticulturae, 2014, , 639-644.	0.1	0

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91	MOLECULAR INVESTIGATION OF CAUCASIAN AND EASTERN EUROPEAN GRAPEVINE GENETIC RESOURCES (V.) Tj ETQq1 1 0.784314 gt	0.1	0
92	Analysis of agroclimatic resources for Georgian viticulture. BIO Web of Conferences, 2019, 13, 04013.	0.1	0
93	REALISATION OF NEW VARIABILITY BY MEANS OF INBREEDING IN SOME INDIGENOUS RED GRAPEVINE CULTIVAR OF VERONA (NORTH EAST ITALY). Acta Horticulturae, 2003, , 345-356.	0.1	0
94	USE OF MORPHOLOGICAL AND AFLP MARKERS TO ASSESS POSSIBLE SYNONYMY BETWEEN APRICOT ACCESSIONS. Acta Horticulturae, 2006, , 215-218.	0.1	0
95	ACTUAL AND POSSIBLE IMPACT OF GRAPEVINE LOCAL VARIETIES ON VITICULTURE: THE ITALIAN CASE. Acta Horticulturae, 2007, , 31-38.	0.1	0
96	CHANGES OF PROFILES OF GENES INVOLVED IN THE SYNTHESIS OF PHENOLIC COMPOUNDS DURING GRAPEVINE FRUIT RIPENING: THE ROLE OF LIGHT. Acta Horticulturae, 2009, , 539-544.	0.1	0
97	Selection Processes of (Changes in) Cropping Patterns Using Non-forest Trees. , 2010, , 657-666.		0
98	Selection of (Changes in) Management Patterns in Agroforestry. , 2010, , 681-683.		0
99	POLYPHENOLIC PROFILES DETECTED IN ARMENIAN WINE AND TABLE GRAPE CULTIVARS. Acta Horticulturae, 2014, , 139-144.	0.1	0