Nathalie Ollat

List of Publications by Year
in descending order

22 papers	1,646 citations	516710 16 h-index	713466 21 g-index
27 all docs	27 docs citations	27 times ranked	1786 citing authors

#	Article	IF	Citations
1	An Update on the Impact of Climate Change in Viticulture and Potential Adaptations. Agronomy, 2019, 9, 514.	3.0	232
2	Ecophysiological, Genetic, and Molecular Causes of Variation in Grape Berry Weight and Composition: A Review. American Journal of Enology and Viticulture, 2011, 62, 413-425.	1.7	205
3	Genetic dissection of sex determinism, inflorescence morphology and downy mildew resistance in grapevine. Theoretical and Applied Genetics, 2009, 118, 1261-1278.	3.6	192
4	Rootstock control of scion transpiration and its acclimation to water deficit are controlled by different genes. New Phytologist, 2012, 194, 416-429.	7.3	162
5	Graft union formation in grapevine induces transcriptional changes related to cell wall modification, wounding, hormone signalling, and secondary metabolism. Journal of Experimental Botany, 2013, 64, 2997-3008.	4.8	133
6	Why climate change will not dramatically decrease viticultural suitability in main wine-producing areas by 2050. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3051-2.	7.1	109
7	Drought will not leave your glass empty: Low risk of hydraulic failure revealed by long-term drought observations in worldâ€™s top wine regions. Science Advances, 2018, 4, eaao6969.	10.3	107
8	Merging genotypes: graft union formation and scionâ€“rootstock interactions. Journal of Experimental Botany, 2019, 70, 747-755.	4.8	93
9	The risk of tardive frost damage in French vineyards in a changing climate. Agricultural and Forest Meteorology, 2018, 250-251, 226-242.	4.8	59
10	Climate Change Impacts and Adaptations: New Challenges for the Wine Industry. Journal of Wine Economics, 2016, 11, 139-149.	0.8	55
11	Organic Acid Metabolism in Roots of Various Grapevine (Vitis) Rootstocks Submitted to Iron Deficiency and Bicarbonate Nutrition. Journal of Plant Nutrition, 2003, 26, 2165-2176.	1.9	47
12	Dissecting the rootstock control of scion transpiration using model-assisted analyses in grapevine. Tree Physiology, 2018, 38, 1026-1040.	3.1	44
13	Mapping genetic loci for tolerance to lime-induced iron deficiency chlorosis in grapevine rootstocks (Vitis sp.). Theoretical and Applied Genetics, 2013, 126, 451-473.	3.6	40
14	Genetic and Genomic Approaches for Adaptation of Grapevine to Climate Change. , 2020, , 157-270.		26
15	Characterization of genetic determinants of the resistance to phylloxera, Daktulosphaira vitifoliae, and the dagger nematode Xiphinema index from muscadine background. BMC Plant Biology, 2020, 20, 213.	3.6	24
16	Potential contribution of strigolactones in regulating scion growth and branching in grafted grapevine in response to nitrogen availability. Journal of Experimental Botany, 2018, 69, 4099-4112.	4.8	22
17	Behind the curtain of the compartmentalization process: Exploring how xylem vessel diameter impacts vascular pathogen resistance. Plant, Cell and Environment, 2020, 43, 2782-2796.	5.7	21
18	The challenging issue of climate change for sustainable grape and wine production. Oeno One, 2017, 51, 59-60.	1.4	20

#	Article	IF	Citations
19	Genetic architecture of aerial and root traits in field-grown grafted grapevines is largely independent. Theoretical and Applied Genetics, 2018, 131, 903-915.	3.6	19
20	A correlative light electron microscopy approach reveals plasmodesmata ultrastructure at the graft interface. Plant Physiology, 2022, 188, 44-55.	4.8	19
21	The Impact of Possible Decadal-Scale Cold Waves on Viticulture over Europe in a Context of Global Warming. Agronomy, 2019, 9, 397.	3.0	16
22	Evidence of Sexual Reproduction Events in the Dagger Nematode Xiphinema index in Grapevine Resistance Experiments Under Controlled Conditions. Plant Disease, 2021, 105, 2664-2669.	1.4	1