

Vanessa J Melino

List of Publications by Year in descending order

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29
papers

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516215

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28
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32
all docs

32
docs citations

32
times ranked

1500
citing authors

#	ARTICLE	IF	CITATIONS
1	Ascorbate as a Biosynthetic Precursor in Plants. <i>Annals of Botany</i> , 2007, 99, 3-8.	1.4	140
2	The intersection of nitrogen nutrition and water use in plants: new paths toward improved crop productivity. <i>Journal of Experimental Botany</i> , 2020, 71, 4452-4468.	2.4	119
3	Manipulation of alternative oxidase can influence salt tolerance in <i>Arabidopsis thaliana</i> . <i>Physiologia Plantarum</i> , 2009, 137, 459-472.	2.6	104
4	Ascorbate metabolism and the developmental demand for tartaric and oxalic acids in ripening grape berries. <i>BMC Plant Biology</i> , 2009, 9, 145.	1.6	82
5	RootGraph: a graphic optimization tool for automated image analysis of plant roots. <i>Journal of Experimental Botany</i> , 2015, 66, 6551-6562.	2.4	61
6	Complete genome sequence of <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> strain WSM2304, an effective microsymbiont of the South American clover <i>Trifolium polymorphum</i> . <i>Standards in Genomic Sciences</i> , 2010, 2, 66-76.	1.5	60
7	Genetic diversity for root plasticity and nitrogen uptake in wheat seedlings. <i>Functional Plant Biology</i> , 2015, 42, 942.	1.1	58
8	Complete genome sequence of <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> strain WSM1325, an effective microsymbiont of annual Mediterranean clovers. <i>Standards in Genomic Sciences</i> , 2010, 2, 347-356.	1.5	53
9	Biosynthesis and Cellular Functions of Tartaric Acid in Grapevines. <i>Frontiers in Plant Science</i> , 2021, 12, 643024.	1.7	48
10	Alterations in the Mitochondrial Alternative NAD(P)H Dehydrogenase NDB4 Lead to Changes in Mitochondrial Electron Transport Chain Composition, Plant Growth and Response to Oxidative Stress. <i>Plant and Cell Physiology</i> , 2011, 52, 1222-1237.	1.5	45
11	Opposite fates of the purine metabolite allantoin under water and nitrogen limitations in bread wheat. <i>Plant Molecular Biology</i> , 2019, 99, 477-497.	2.0	41
12	RNA Catabolites Contribute to the Nitrogen Pool and Support Growth Recovery of Wheat. <i>Frontiers in Plant Science</i> , 2018, 9, 1539.	1.7	29
13	Identifying abnormalities in symbiotic development between <i>Trifolium</i> spp. and <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> leading to sub-optimal and ineffective nodule phenotypes. <i>Annals of Botany</i> , 2012, 110, 1559-1572.	1.4	26
14	Quinoa Phenotyping Methodologies: An International Consensus. <i>Plants</i> , 2021, 10, 1759.	1.6	24
15	The role of light in the regulation of ascorbate metabolism during berry development in the cultivated grapevine <i>Vitis vinifera</i> L.. <i>Journal of the Science of Food and Agriculture</i> , 2011, 91, 1712-1721.	1.7	23
16	Strategies for engineering improved nitrogen use efficiency in crop plants via redistribution and recycling of organic nitrogen. <i>Current Opinion in Biotechnology</i> , 2022, 73, 263-269.	3.3	19
17	A method for determination of fruit-derived ascorbic, tartaric, oxalic and malic acids, and its application to the study of ascorbic acid catabolism in grapevines. <i>Australian Journal of Grape and Wine Research</i> , 2009, 15, 293-302.	1.0	18
18	Genome sequence of the clover-nodulating <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> strain TA1. <i>Standards in Genomic Sciences</i> , 2013, 9, 243-253.	1.5	10

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19	Genome sequence of the <i>Lebeckia ambigua</i> -nodulating <i>Burkholderia sprentiae</i> strain WSM5005T. Standards in Genomic Sciences, 2013, 9, 385-394.	1.5	9
20	Genome sequence of the <i>Listia angolensis</i> microsymbiont <i>Microvirga lotononidis</i> strain WSM3557T. Standards in Genomic Sciences, 2013, 9, 540-550.	1.5	7
21	Nitrogen depletion enhances endobacterial superinfection without restricting transporter-mediated root N influx. Journal of Plant Physiology, 2021, 257, 153334.	1.6	7
22	Exploring the potential for top-dressing bread wheat with ammonium chloride to minimize grain yield losses under drought. Soil Science and Plant Nutrition, 2018, 64, 642-652.	0.8	5
23	The phosphoproteome of rice leaves responds to water and nitrogen supply. Molecular Omics, 2021, 17, 706-718.	1.4	5
24	Genome sequence of the clover-nodulating <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> strain SRDI565.. Standards in Genomic Sciences, 2013, 9, 220-231.	1.5	4
25	Genome sequence of the South American clover-nodulating <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> strain WSM597. Standards in Genomic Sciences, 2013, 9, 264-272.	1.5	4
26	Genome sequence of the clover-nodulating <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> strain SRDI943.. Standards in Genomic Sciences, 2013, 9, 232-242.	1.5	3
27	Genome sequence of the <i>Trifolium rueppellianum</i> -nodulating <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> strain WSM2012.. Standards in Genomic Sciences, 2013, 9, 283-293.	1.5	3
28	Genome sequence of the lupin-nodulating <i>Bradyrhizobium</i> sp. strain WSM1417. Standards in Genomic Sciences, 2013, 9, 273-282.	1.5	3
29	Genome sequence of the <i>Ornithopus/Lupinus</i> -nodulating <i>Bradyrhizobium</i> sp. strain WSM471. Standards in Genomic Sciences, 2013, 9, 254-263.	1.5	0