

Jayanthi Nadarajan

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

469
citations

840776

11
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

532
citing authors

#	ARTICLE	IF	CITATIONS
1	Seed viability and fatty acid profiles of five orchid species before and after ageing. <i>Plant Biology</i> , 2022, 24, 168-175.	3.8	10
2	Orchid seed micro-morphometry: importance to speciesâ€™ biology, ecology, and conservation. <i>Acta Horticulturae</i> , 2022, , 153-162.	0.2	0
3	Impacts of Rapid Desiccation on Oxidative Status, Ultrastructure and Physiological Functions of <i>Syzygium maire</i> (Myrtaceae) Zygotic Embryos in Preparation for Cryopreservation. <i>Plants</i> , 2022, 11, 1056.	3.5	8
4	Integrated <i>ex situ</i> conservation strategies for endangered New Zealand Myrtaceae species. <i>New Zealand Journal of Botany</i> , 2021, 59, 72-89.	1.1	13
5	Seed development, germination, and storage behaviour of <i>Syzygium maire</i> (Myrtaceae), a threatened endemic New Zealand tree. <i>New Zealand Journal of Botany</i> , 2021, 59, 198-216.	1.1	7
6	Volatile signature indicates viability of dormant orthodox seeds. <i>Physiologia Plantarum</i> , 2021, 173, 788-804.	5.2	8
7	Comparative in vitro seed germination and seedling development in tropical and temperate epiphytic and temperate terrestrial orchids. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 143, 619-633.	2.3	17
8	Comparative Seed Morphology of Tropical and Temperate Orchid Species with Different Growth Habits. <i>Plants</i> , 2020, 9, 161.	3.5	13
9	Resistance of New Zealand Provenance <i>Leptospermum scoparium</i> , <i>Kunzea robusta</i> , <i>Kunzea linearis</i> , and <i>Metrosideros excelsa</i> to <i>Austropuccinia psidii</i> . <i>Plant Disease</i> , 2020, 104, 1771-1780.	1.4	12
10	Lipid Thermal Fingerprints of Long-term Stored Seeds of Brassicaceae. <i>Plants</i> , 2019, 8, 414.	3.5	20
11	Optimization of cryopreservation protocols for zygotic embryos of <i>Citrus reticulata</i> . <i>Acta Horticulturae</i> , 2019, , 137-144.	0.2	2
12	Medium- and Long-Term Conservation of Ornamental Plants Using Synthetic Seed Technology. , 2019, , 259-281.		2
13	The mechanism of seed coat-imposed dormancy revealed by oxygen uptake in Chatham Island forget-me-not <i>Myosotidium hortensia</i> (Decne.) Baill.. <i>New Zealand Journal of Botany</i> , 2018, 56, 38-50.	1.1	3
14	Comparative Biology of Cycad Pollen, Seed and Tissue - A Plant Conservation Perspective. <i>Botanical Review</i> , The, 2018, 84, 295-314.	3.9	7
15	Cryobiotechnology of tropical seeds â€” scale, scope and hope. <i>Acta Horticulturae</i> , 2017, , 37-48.	0.2	10
16	Plant species with extremely small populations (PSESP) in China: A seed and spore biology perspective. <i>Plant Diversity</i> , 2016, 38, 209-220.	3.7	42
17	Innovative approaches to the preservation of forest trees. <i>Forest Ecology and Management</i> , 2014, 333, 88-98.	3.2	80
18	Biophysical Characteristics of Successful Oilseed Embryo Cryoprotection and Cryopreservation Using Vacuum Infiltration Vitrification: An Innovation in Plant Cell Preservation. <i>PLoS ONE</i> , 2014, 9, e96169.	2.5	34

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19	Evidence for the absence of enzymatic reactions in the glassy state. A case study of xanthophyll cycle pigments in the desiccation-tolerant moss <i>Syntrichia ruralis</i> . <i>Journal of Experimental Botany</i> , 2013, 64, 3033-3043.	4.8	86
20	Post desiccation germination of mature seeds of tea (<i>Camellia sinensis</i> L.) can be enhanced by pro-oxidant treatment, but partial desiccation tolerance does not ensure survival at $\sim 20^{\circ}\text{C}$. <i>Plant Science</i> , 2012, 184, 36-44.	3.6	11
21	Cryopreservation of Orthodox (Desiccation Tolerant) Seeds. , 2008, , 485-501.		31
22	Applications of differential scanning calorimetry in developing cryopreservation strategies for <i>Parkia speciosa</i> , a tropical tree producing recalcitrant seeds. <i>Cryo-Letters</i> , 2008, 29, 95-110.	0.3	20
23	Optimisation of the azinobis-3-ethyl-benzothiazoline-6-sulphonic acid radical scavenging assay for physiological studies of total antioxidant activity in woody plant germplasm. <i>Plant Physiology and Biochemistry</i> , 2006, 44, 193-201.	5.8	19
24	Investigating the Use of Fractional Replication and Taguchi Techniques in Cryopreservation: A Case Study Using Orthodox Seeds of a Tropical Rainforest Tree Species. <i>Biodiversity and Conservation</i> , 2005, 14, 3169-3185.	2.6	14