

Jayanthi Nadarajan

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

469
citations

840776

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times ranked

532
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | Innovative approaches to the preservation of forest trees. <i>Forest Ecology and Management</i> , 2014, 333, 88-98. | 3.2 | 80 |
| 3 | 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 |
| 4 | 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 |
| 5 | Cryopreservation of Orthodox (Desiccation Tolerant) Seeds. , 2008, , 485-501. | | 31 |
| 6 | Lipid Thermal Fingerprints of Long-term Stored Seeds of Brassicaceae. <i>Plants</i> , 2019, 8, 414. | 3.5 | 20 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Comparative Seed Morphology of Tropical and Temperate Orchid Species with Different Growth Habits. <i>Plants</i> , 2020, 9, 161. | 3.5 | 13 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 20°C. <i>Plant Science</i> , 2012, 184, 36-44. | 3.6 | 11 |
| 15 | Cryobiotechnology of tropical seeds – scale, scope and hope. <i>Acta Horticulturae</i> , 2017, , 37-48. | 0.2 | 10 |
| 16 | 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 |
| 17 | Volatile signature indicates viability of dormant orthodox seeds. <i>Physiologia Plantarum</i> , 2021, 173, 788-804. | 5.2 | 8 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Comparative Biology of Cycad Pollen, Seed and Tissue - A Plant Conservation Perspective. Botanical Review, The, 2018, 84, 295-314. | 3.9 | 7 |
| 20 | Seed development, germination, and storage behaviour of <i>Syzygium maire</i> (Myrtaceae), a threatened endemic New Zealand tree. New Zealand Journal of Botany, 2021, 59, 198-216. | 1.1 | 7 |
| 21 | The mechanism of seed coat-imposed dormancy revealed by oxygen uptake in Chatham Island forget-me-not <i>Myosotidium hortensia</i> (Decne.) Bail.. New Zealand Journal of Botany, 2018, 56, 38-50. | 1.1 | 3 |
| 22 | Optimization of cryopreservation protocols for zygotic embryos of <i>Citrus reticulata</i> . Acta Horticulturae, 2019, , 137-144. | 0.2 | 2 |
| 23 | Medium- and Long-Term Conservation of Ornamental Plants Using Synthetic Seed Technology. , 2019, , 259-281. | | 2 |
| 24 | Orchid seed micro-morphometry: importance to species' biology, ecology, and conservation. Acta Horticulturae, 2022, , 153-162. | 0.2 | 0 |