

Mukund R Shukla

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

993
citations

623574

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454834

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1009
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#	ARTICLE	IF	CITATIONS
1	Deciphering the Genome-Wide Transcriptomic Changes during Interactions of Resistant and Susceptible Genotypes of American Elm with <i>Ophiostoma novo-ulmi</i> . <i>Journal of Fungi (Basel, Tj ETQq1 1 0.7843141rgBT /Ovørlock 10</i>		
2	In Vitro Technologies for American Chestnut (<i>Castanea dentata</i> (Marshall) Borkh) Conservation. <i>Plants</i> , 2022, 11, 464.	1.6	5
3	In Vitro Technology in Plant Conservation: Relevance to Biocultural Diversity. <i>Plants</i> , 2022, 11, 503.	1.6	15
4	Comparative Analysis of Transcriptomes of <i>Ophiostoma novo-ulmi</i> ssp. <i>americana</i> Colonizing Resistant or Sensitive Genotypes of American Elm. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 637.	1.5	5
5	Root cryobanking: an important tool in plant cryopreservation. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 144, 49-66.	1.2	13
6	Role of water percolation in reproductive physiology of hazelnut (<i>Corylus</i> spp.). <i>Environmental and Experimental Botany</i> , 2021, 182, 104278.	2.0	5
7	Conservation, propagation, and redistribution (CPR) of Hillâ€™s thistle: paradigm for plant species at risk. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 145, 75-88.	1.2	9
8	Physiological and Molecular Responses of Six Apple Rootstocks to Osmotic Stress. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8263.	1.8	6
9	Rootstocks Overexpressing StNPR1 and StDREB1 Improve Osmotic Stress Tolerance of Wild-Type Scion in Transgrafted Tobacco Plants. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8398.	1.8	4
10	Epigenetic and Genetic Integrity, Metabolic Stability, and Field Performance of Cryopreserved Plants. <i>Plants</i> , 2021, 10, 1889.	1.6	22
11	Improved Conservation of Coffee (<i>Coffea arabica</i> L.) Germplasm via Micropropagation and Cryopreservation. <i>Agronomy</i> , 2021, 11, 1861.	1.3	3
12	Selection and Micropropagation of an Elite Melatonin Rich Tulsi (<i>Ocimum sanctum</i> L.) Germplasm Line. <i>Agronomy</i> , 2021, 11, 207.	1.3	5
13	In Vitro and Cryobiotechnology Approaches to Safeguard <i>Lupinus rivularis</i> Douglas ex Lindl., an Endangered Plant in Canada. <i>Agronomy</i> , 2021, 11, 37.	1.3	10
14	Micropropagation and Cryopreservation of Yukon Draba (<i>Draba yukonensis</i>), a Special Concern Plant Species Endemic to Yukon Territory, Canada. <i>Plants</i> , 2021, 10, 2093.	1.6	5
15	In vitro rooting of hybrid hazelnuts (<i>Corylus avellana</i> Ã— <i>Corylus americana</i>) in a temporary immersion system. <i>Botany</i> , 2020, 98, 343-352.	0.5	8
16	Improved in vitro rooting in liquid culture using a two piece scaffold system. <i>Engineering in Life Sciences</i> , 2020, 20, 126-132.	2.0	12
17	Saving threatened plant species: Reintroduction of Hillâ€™s thistle (<i>Cirsium hillii</i> . (Canby) Fernald) to its natural habitat. <i>PLoS ONE</i> , 2020, 15, e0231741.	1.1	11
18	Root cryopreservation to biobank medicinal plants: a case study for <i>Hypericum perforatum</i> L.. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2019, 55, 392-402.	0.9	17

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19	Development of a reliable <i>Corylus</i> sp. reference database through the implementation of a DNA fingerprinting test. <i>Planta</i> , 2019, 249, 1863-1874.	1.6	13
20	In vitro propagation and reintroduction of golden paintbrush (<i>Castilleja levisecta</i>), a critically imperilled plant species. <i>Canadian Journal of Plant Science</i> , 2018, 98, 762-770.	0.3	5
21	Cryopreservation of the critically endangered golden paintbrush (<i>Castilleja levisecta</i> Greenm.): from nature to cryobank to nature. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2018, 54, 69-78.	0.9	23
22	Melatonin and serotonin: Mediators in the symphony of plant morphogenesis. <i>Journal of Pineal Research</i> , 2018, 64, e12452.	3.4	81
23	Application of 3D printing to prototype and develop novel plant tissue culture systems. <i>Plant Methods</i> , 2017, 13, 6.	1.9	40
24	High light intensity stress as the limiting factor in micropropagation of sugar maple (<i>Acer saccharum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	16
25	Iron supplementation promotes in vitro shoot induction and multiplication of <i>Baptisia australis</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 129, 145-152.	1.2	9
26	A simple and efficient method for analysis of plant growth regulators: a new tool in the chest to combat recalcitrance in plant tissue culture. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 131, 459-470.	1.2	19
27	Development of cryopreservation methods for cherry birch (<i>Betula lenta</i> L.), an endangered tree species in Canada. <i>Canadian Journal of Forest Research</i> , 2016, 46, 1284-1292.	0.8	19
28	Cryopreservation of potato microtubers: the critical roles of sucrose and desiccation. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 124, 649-656.	1.2	18
29	An efficient temporary immersion system for micropropagation of hybrid hazelnut. <i>Botany</i> , 2016, 94, 1-8.	0.5	41
30	Growth regulating properties of isoprene and isoprenoid-based essential oils. <i>Plant Cell Reports</i> , 2016, 35, 91-102.	2.8	6
31	Identification and characterization of serotonin as an anti-browning compound of apple and pear. <i>Postharvest Biology and Technology</i> , 2015, 110, 183-189.	2.9	36
32	Plant Cryopreservation for Biotechnology and Breeding. , 2015, , 63-93.		19
33	Role of melatonin in alleviating cold stress in <i>Arabidopsis thaliana</i> . <i>Journal of Pineal Research</i> , 2014, 56, 238-245.	3.4	334
34	Melatonin enhances the recovery of cryopreserved shoot tips of American elm (<i>Ulmus americana</i> L.). <i>Journal of Pineal Research</i> , 2013, 55, 435-442.	3.4	83
35	Investigating the roles of phenylpropanoids in the growth and development of <i>Zea mays</i> L.. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2013, 49, 765-772.	0.9	4
36	In vitro conservation of American elm (<i>Ulmus americana</i>): potential role of auxin metabolism in sustained plant proliferation. <i>Canadian Journal of Forest Research</i> , 2012, 42, 686-697.	0.8	38

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37	Micropropagation of African Violet (<i>Saintpaulia ionantha</i> Wendl.). <i>Methods in Molecular Biology</i> , 2012, 11013, 279-289.	0.4	10
38	In vitro propagation of cherry birch (<i>Betula lenta</i> L.). <i>Canadian Journal of Plant Science</i> , 0, , 571-578.	0.3	17