

Juliana Lischka Sampaio Mayer

List of Publications by Year in descending order

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52
papers

1,037
citations

516710

16
h-index

454955

30
g-index

55
all docs

55
docs citations

55
times ranked

1460
citing authors

#	ARTICLE	IF	CITATIONS
1	Lignification in Sugarcane: Biochemical Characterization, Gene Discovery, and Expression Analysis in Two Genotypes Contrasting for Lignin Content. <i>Plant Physiology</i> , 2013, 163, 1539-1557.	4.8	120
2	A Mechanistic View of Interactions of a Nanoherbicide with Target Organism. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 4453-4462.	5.2	75
3	Expression of SofLAC, a new laccase in sugarcane, restores lignin content but not S:G ratio of Arabidopsis lac17 mutant. <i>Journal of Experimental Botany</i> , 2013, 64, 1769-1781.	4.8	72
4	Colleters in monocots: New record for Orchidaceae. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2011, 206, 185-190.	1.2	54
5	Molecular and biochemical characterization of caffeine synthase and purine alkaloid concentration in guarana fruit. <i>Phytochemistry</i> , 2014, 105, 25-36.	2.9	47
6	Infrared Nanospectroscopy Reveals the Chemical Nature of Pit Membranes in Water-Conducting Cells of the Plant Xylem. <i>Plant Physiology</i> , 2018, 177, 1629-1638.	4.8	47
7	Water Stress Alters Lignin Content and Related Gene Expression in Two Sugarcane Genotypes. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 4708-4720.	5.2	42
8	Deposition of lignin in four species of <i>Saccharum</i> . <i>Scientific Reports</i> , 2019, 9, 5877.	3.3	41
9	Enzymatic activity and proteomic profile of class III peroxidases during sugarcane stem development. <i>Plant Physiology and Biochemistry</i> , 2012, 55, 66-76.	5.8	38
10	Specialized roots of Velloziaceae weather quartzite rock while mobilizing phosphorus using carboxylates. <i>Functional Ecology</i> , 2019, 33, 762-773.	3.6	37
11	A functional role for the colleters of coffee flowers. <i>AoB PLANTS</i> , 2013, 5, plt029-plt029.	2.3	36
12	Anatomical development of the pericarp and seed of <i>Oncidium flexuosum</i> Sims (ORCHIDACEAE). <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2011, 206, 601-609.	1.2	35
13	Direct regeneration of protocorm-like bodies (PLBs) from leaf apices of <i>Oncidium flexuosum</i> Sims (Orchidaceae). <i>Plant Cell, Tissue and Organ Culture</i> , 2010, 103, 411-416.	2.3	30
14	Correlations between lignin content and structural robustness in plants revealed by X-ray ptychography. <i>Scientific Reports</i> , 2020, 10, 6023.	3.3	29
15	New and Reassessed Species of <i>Griffinia</i> (Amaryllidaceae) from the Brazilian Atlantic Forest. <i>Systematic Botany</i> , 2019, 44, 310-318.	0.5	20
16	Lignin biosynthesis in sugarcane is affected by low temperature. <i>Environmental and Experimental Botany</i> , 2015, 120, 31-42.	4.2	19
17	Species limits in the <i>Kielmeyera coriacea</i> complex (Calophyllaceae) - a multidisciplinary approach. <i>Botanical Journal of the Linnean Society</i> , 2012, 168, 101-115.	1.6	17
18	The Role of Non-Mycorrhizal Fungi in Germination of the Mycoheterotrophic Orchid <i>Pogoniopsis schenckii</i> Cogn.. <i>Frontiers in Plant Science</i> , 2019, 10, 1589.	3.6	17

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19	Extreme physiology: Biomass and transcriptional profiling of three abandoned Agave cultivars. <i>Industrial Crops and Products</i> , 2021, 172, 114043.	5.2	16
20	Pollination ecology of two species of <i>Elleanthus</i> (Orchidaceae): novel mechanisms and underlying adaptations to hummingbird pollination. <i>Plant Biology</i> , 2016, 18, 15-25.	3.8	15
21	Identification, classification and transcriptional profiles of dirigent domain-containing proteins in sugarcane. <i>Molecular Genetics and Genomics</i> , 2017, 292, 1323-1340.	2.1	14
22	Morphoanatomy of the leaflets of the Hymenaea clade (Fabaceae: Detarioideae) reveals their potential for taxonomic and phylogenetic studies. <i>Botanical Journal of the Linnean Society</i> , 2018, 187, 87-98.	1.6	14
23	Mitochondrial genomic data are effective at placing mycoheterotrophic lineages in plant phylogeny. <i>New Phytologist</i> , 2022, 236, 1908-1921.	7.3	14
24	Comparison of the Morphology, Anatomy, and Chemical Profile of <i>Mikania glomerata</i> and <i>Mikania laevigata</i> . <i>Planta Medica</i> , 2018, 84, 191-200.	1.3	13
25	Morphoanatomical characteristics, chemical profiles, and antioxidant activity of three species of <i>Justicia</i> L. (Acanthaceae) under different growth conditions. <i>Industrial Crops and Products</i> , 2019, 131, 257-265.	5.2	13
26	Role of bundle sheath conductance in sustaining photosynthesis competence in sugarcane plants under nitrogen deficiency. <i>Photosynthesis Research</i> , 2021, 149, 275-287.	2.9	13
27	Capacidade de enraizamento de estacas de quatro cultivares de <i>Vitis</i> L. (Vitaceae) relacionada com os aspectos anatômicos. <i>Acta Botanica Brasilica</i> , 2006, 20, 563-568.	0.8	12
28	Anatomia comparada das folhas e raízes de <i>Cymbidium</i> Hort. (Orchidaceae) cultivadas ex vitro e in vitro. <i>Acta Botanica Brasilica</i> , 2008, 22, 323-332.	0.8	12
29	<i>Tibouchina sellowiana</i> (Cham.) Cogn.: enraizamento, anatomia e análises bioquímicas nas quatro estações do ano.. <i>Ciencia Florestal</i> , 2009, 18, 159-171.	0.3	12
30	Ectopic expression of sugarcane SHINE changes cell wall and improves biomass in rice. <i>Biomass and Bioenergy</i> , 2018, 119, 322-334.	5.7	11
31	New perspectives on secretory structures in <i>Clusia</i> (Clusiaceae – Clusiod clade): production of latex or resins?. <i>Botany</i> , 2020, 98, 161-172.	1.0	11
32	Ácido indolbutírico no enraizamento de estacas semilenhosas do porta-enxerto de videira 'VRO43-43' (<i>Vitis vinifera</i> x <i>Vitis rotundifolia</i>). <i>Revista Brasileira De Fruticultura</i> , 2005, 27, 476-479.	0.5	10
33	ESTAQUIA E ANATOMIA DE VASSOURÃO-BRANCO. <i>Scientia Agraria</i> , 2008, 9, 159.	0.5	10
34	Homeologous regulation of <i>Frigida</i> -like genes provides insights on reproductive development and somatic embryogenesis in the allotetraploid <i>Coffea arabica</i> . <i>Scientific Reports</i> , 2019, 9, 8446.	3.3	10
35	A model system to study the lignification process in <i>Eucalyptus globulus</i> . <i>Physiologia Plantarum</i> , 2014, 152, 17-31.	5.2	8
36	Deep in the Jelly: Histochemical and Functional Aspects of Mucilage-Secreting Floral Colleters in the Orchids <i>Elleanthus brasiliensis</i> and <i>E. crinipes</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 518.	3.6	8

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37	Interaction of Nanoatrazine and Target Organism: Evaluation of Fate and Photosystem II Inhibition in Hydroponically Grown Mustard (<i>Brassica juncea</i>) Plants. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 7644-7652.	5.2	7
38	Albinism in plants – far beyond the loss of chlorophyll: Structural and physiological aspects of wild-type and albino royal poinciana (<i>Delonix regia</i>) seedlings. <i>Plant Biology</i> , 2020, 22, 761-768.	3.8	6
39	Formação de raízes em estacas de duas espécies de Calliandra (Leguminosae - Mimosoideae). <i>Rodriguesia</i> , 2008, 59, 487-495.	0.9	5
40	<i>Eithea lagopaivae</i> , a new critically endangered species in the previously monotypic genus <i>Eithea</i> Ravenna (Amaryllidaceae). <i>PhytoKeys</i> , 2017, 85, 45-58.	1.0	5
41	Floral development of <i>Condylocarpon isthmicum</i> (Apocynaceae). <i>Botany</i> , 2015, 93, 769-781.	1.0	3
42	First Record of Ategmic Ovules in Orchidaceae Offers New Insights Into Mycoheterotrophic Plants. <i>Frontiers in Plant Science</i> , 2019, 10, 1447.	3.6	3
43	<i>Plectranthus neochilus</i> Schltr.: Anatomic and cytogenetic analyses and chemical characterization of its essential oil. <i>South African Journal of Botany</i> , 2021, 143, 97-106.	2.5	3
44	Reproductive development and genetic structure of the mycoheterotrophic orchid <i>Pogoniopsis schenckii</i> Cogn.. <i>BMC Plant Biology</i> , 2021, 21, 332.	3.6	2
45	Out of the mud: two new species of <i>Hippeastrum</i> (Amaryllidaceae) from the Doce and Jequitinhonha River basins, Brazil. <i>Plant Systematics and Evolution</i> , 2022, 308, .	0.9	2
46	In situ localization of mRNA of resembling the dirigent protein in sugarcane stems. <i>BMC Proceedings</i> , 2014, 8, .	1.6	1
47	Lignin Deposition In <i>Arabidopsis thaliana</i> Cell Walls Unveiled By Ptychographic X-Ray Computed Tomography (PXCT). <i>Microscopy and Microanalysis</i> , 2018, 24, 386-387.	0.4	1
48	Expression of <i>Eucalyptus globulus</i> LACCASE48 Restores Lignin Content of <i>Arabidopsis thaliana</i> lac17 Mutant. <i>Plant Molecular Biology Reporter</i> , 2019, 37, 488-498.	1.8	1
49	Comparative ontogenesis of <i>Coffea arabica</i> L. somatic embryos reveals the efficiency of regeneration modulated by the explant source and the embryogenesis pathway. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 0, , 1.	2.1	1
50	Ecological and phylogenetic constraints determine the stage of anthetic ovule development in orchids. <i>American Journal of Botany</i> , 2021, 108, 2405.	1.7	1
51	A composição de comunidades micorrízicas das orquídeas <i>Zygopetalum mackayi</i> e <i>Z. pedicelatum</i> relevante para sua coexistência?. , 0, , .		1
52	Structure and function of vegetative organs of <i>Campylocentrum grisebachii</i> Cogn. , 0, , .		0