Vanildo Silveira

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/333821/publications.pdf

Version: 2024-02-01

91 papers	2,433 citations	257101 24 h-index	223531 46 g-index
98 all docs	98 docs citations	98 times ranked	2162 citing authors

#	Article	IF	Citations
1	Long-term subculture affects rooting competence via changes in the hormones and protein profiles in Cedrela fissilis Vell. (Meliaceae) shoots. Plant Cell, Tissue and Organ Culture, 2022, 148, 137-153.	1.2	7
2	Involvement of differentially accumulated proteins and endogenous auxin in adventitious root formation in micropropagated shoot cuttings of Cedrela fissilis Vellozo (Meliaceae). Plant Cell, Tissue and Organ Culture, 2022, 148, 119-135.	1.2	8
3	Mitochondrial proteomics reveals new insights into embryogenic competence acquisition in Carica papaya L. callus. Journal of Proteomics, 2022, 252, 104434.	1.2	2
4	Proteomic profiling of royal jelly produced by Apis mellifera L. exposed to food containing herbicide-based glyphosate. Chemosphere, 2022, 292, 133334.	4.2	7
5	Integrative proteomics and phosphoproteomics reveals phosphorylation networks involved in the maintenance and expression of embryogenic competence in sugarcane callus. Journal of Plant Physiology, 2022, 268, 153587.	1.6	3
6	A comparative genomics examination of desiccation tolerance and sensitivity in two sister grass species. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	8
7	Revealing the differential protein profiles behind the nitrogen use efficiency in popcorn (Zea mays var.) Tj ETQq1 1 0.784314 rgBT /Ov	1.6	6
8	Essential role of extracytoplasmic proteins in the resistance of Gluconacetobacter diazotrophicus to cadmium. Research in Microbiology, 2022, , 103922.	1.0	1
9	PEG induces maturation of somatic embryos of Passiflora edulis Sims â€˜UENF Rio Douradoâ€™ by differential accumulation of proteins and modulation of endogenous contents of free polyamines. Plant Cell, Tissue and Organ Culture, 2022, 150, 527-541.	1.2	5
10	Mitochondrial dysfunction associated with ascorbate synthesis in plants. Plant Physiology and Biochemistry, 2022, 185, 55-68.	2.8	7
11	Benzyladenine affects polyamine contents and proteomic profiles during in vitro shoot development and ex vitro rooting in Dalbergia nigra (Vell.) AllemÃ£o ex Benth. (Fabaceae). Plant Cell, Tissue and Organ Culture, 2022, 151, 75-92.	1.2	5
12	Stage-specific protein regulation during somatic embryo development of Carica papaya L. â€˜Goldenâ€™. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2021, 1869, 140561.	1.1	10
13	Comparative proteomics reveals essential mechanisms for osmotolerance in Gluconacetobacter diazotrophicus. Research in Microbiology, 2021, 172, 103785.	1.0	5
14	DegP protease is essential for tolerance to salt stress in the plant growth-promoting bacterium Gluconacetobacter diazotrophicus PAL5. Microbiological Research, 2021, 243, 126654.	2.5	16
15	Histomorphology and proteomics during rooting of in vitro shoots in Cariniana legalis (Lecythidaceae), a difficult-to-root endangered species from the Brazilian Atlantic Forest. Plant Cell, Tissue and Organ Culture, 2021, 144, 325-344.	1.2	7
16	Pretreatment free of 2,4-dichlorophenoxyacetic acid improves the differentiation of sugarcane somatic embryos by affecting the hormonal balance and the accumulation of reserves. Plant Cell, Tissue and Organ Culture, 2021, 145, 101-115.	1.2	26
17	Oryza sativa cv. Nipponbare and Oryza barthii as Unexpected Tolerance and Susceptibility Sources Against Schizotetranychus oryzae (Acari: Tetranychidae) Mite Infestation. Frontiers in Plant Science, 2021, 12, 613568.	1.7	2
18	Large-scale regeneration of hermaphrodite emblings of Carica papaya L. â€˜Goldenâ€™ using early molecular sex determination during embryogenic callus multiplication. Plant Cell, Tissue and Organ Culture, 2021, 146, 643-649.	1.2	2

#	Article	IF	Citations
19	Physiological and proteomic insights related to the loss of seed viability in Cariniana legalis (Lecythidaceae). Theoretical and Experimental Plant Physiology, 2021, 33, 173-186.	1.1	2
20	Combination of osmotic stress and sugar stress response mechanisms is essential for Gluconacetobacter diazotrophicus tolerance to high-sucrose environments. Applied Microbiology and Biotechnology, 2021, 105, 7463-7473.	1.7	2
21	Deciphering the major metabolic pathways associated with aluminum tolerance in popcorn roots using label-free quantitative proteomics. Planta, 2021, 254, 132.	1.6	9
22	Proteomic profiles during adventitious rooting of Eucalyptus species relevant to the cellulose industry. New Forests, 2020, 51, 213-241.	0.7	6
23	Aging peach palm (Bactris gasipaes Kunth) cultures lose embryogenic potential and metabolic cellular function due to continuous culture in hypoxic environments. Plant Cell, Tissue and Organ Culture, 2020, 140, 49-67.	1.2	13
24	Transcriptome and proteome profiles of the diazotroph Nitrospirillum amazonense strain CBAmC in response to the sugarcane apoplast fluid. Plant and Soil, 2020, 451, 145-168.	1.8	15
25	Long-term culture with 2,4-dichlorophenoxyacetic acid affects embryogenic competence in sugarcane callus via changes in starch, polyamine and protein profiles. Plant Cell, Tissue and Organ Culture, 2020, 140, 415-429.	1.2	21
26	Label-Free Quantitative Phosphoproteomics Reveals Signaling Dynamics Involved in Embryogenic Competence Acquisition in Sugarcane. Journal of Proteome Research, 2020, 19, 4145-4157.	1.8	11
27	Limited Nitrogen and Plant Growth Stages Discriminate Well Nitrogen Use, Uptake and Utilization Efficiency in Popcorn. Plants, 2020, 9, 893.	1.6	9
28	Cellular alteration and differential protein profile explain effects of GA₃ and ABA and their inhibitor on Trichocline catharinensis (Asteraceae) seed germination. Physiologia Plantarum, 2020, 169, 258-275.	2.6	5
29	Light spectra affect the in vitro shoot development of Cedrela fissilis Vell. (Meliaceae) by changing the protein profile and polyamine contents. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140529.	1.1	17
30	Arabidopsis thaliana exudates induce growth and proteomic changes in Gluconacetobacter diazotrophicus. PeerJ, 2020, 8, e9600.	0.9	2
31	Colonization of Arabidopsis thaliana by Herbaspirillum seropedicae promotes its growth and changes its proteomic profile. Plant and Soil, 2019, 443, 429-447.	1.8	4
32	LED lamps enhance somatic embryo maturation in association with the differential accumulation of proteins in the Carica papaya L. â€˜Goldenâ€™ embryogenic callus. Plant Physiology and Biochemistry, 2019, 143, 109-118.	2.8	10
33	Storage time affects the germination and proteomic profile of seeds of Cariniana legalis (Mart.) O. Kuntze (Lecythidaceae), an endangered tree species native to the Brazilian Atlantic Forest. Revista Brasileira De Botanica, 2019, 42, 407-419.	0.5	8
34	Proteome of resistant and susceptible Passiflora species in the interaction with cowpea aphid-borne mosaic virus reveals distinct responses to pathogenesis. Euphytica, 2019, 215, 1.	0.6	11
35	AaMps1 protein inhibition regulates the protein profile, nitric oxide, carbohydrate and polyamine contents in embryogenic suspension cultures of Araucaria angustifolia (Bertol.) Kuntze (Araucariaceae). Plant Cell, Tissue and Organ Culture, 2019, 138, 273-286.	1.2	5
36	Shotgun proteomic analysis of quinoa seeds reveals novel lysine-rich seed storage globulins. Food Chemistry, 2019, 293, 299-306.	4.2	47

#	Article	IF	Citations
37	Proteomic profile and polyamine contents are modulated by light source to promote in vitro shoot development in Cariniana legalis (Martius) O.ÂKuntze (Lecythidaceae). Plant Cell, Tissue and Organ Culture, 2019, 137, 329-342.	1.2	13
38	Insights from Proteomic Studies into Plant Somatic Embryogenesis. Proteomics, 2018, 18, e1700265.	1.3	56
39	Morphological analyses and variation in carbohydrate content during the maturation of somatic embryos of Carica papaya. Physiology and Molecular Biology of Plants, 2018, 24, 295-305.	1.4	16
40	Proteomics analysis of the germinating seeds of Cariniana legalis (Mart.) Kuntze (Meliaceae): an endangered species of the Brazilian Atlantic Rainforest. Revista Brasileira De Botanica, 2018, 41, 117-128.	0.5	1
41	Insights into the conversion potential of Theobroma cacao L. somatic embryos using quantitative proteomic analysis. Scientia Horticulturae, 2018, 229, 65-76.	1.7	17
42	Unraveling Rice Tolerance Mechanisms Against Schizotetranychus oryzae Mite Infestation. Frontiers in Plant Science, 2018, 9, 1341.	1.7	9
43	l-arginine alters the proteome of frozen-thawed bovine sperm during inÂvitro capacitation. Theriogenology, 2018, 119, 1-9.	0.9	18
44	Embryogenic Competence Acquisition in Sugar Cane Callus Is Associated with Differential H⁺-Pump Abundance and Activity. Journal of Proteome Research, 2018, 17, 2767-2779.	1.8	21
45	Proteomics as a Tool to Study Molecular Changes During Plant Morphogenesis In Vitro. Methods in Molecular Biology, 2018, 1815, 339-349.	0.4	1
46	Differentially abundant proteins associated with heterosis in the primary roots of popcorn. PLoS ONE, 2018, 13, e0197114.	1.1	13
47	Comparative proteomics analysis of the effect of combined red and blue lights on sugarcane somatic embryogenesis. Acta Physiologiae Plantarum, 2017, 39, 1.	1.0	34
48	Putrescine promotes changes in the endogenous polyamine levels and proteomic profiles to regulate organogenesis in Cedrela fissilis Vellozo (Meliaceae). Plant Cell, Tissue and Organ Culture, 2017, 130, 495-505.	1.2	20
49	Salt stress induces changes in the proteomic profile of micropropagated sugarcane shoots. PLoS ONE, 2017, 12, e0176076.	1.1	47
50	Humic Acid-Induced Hairy Root Growth in Basil Ismodulated by Nitric Oxide and Reactive Oxygen Species. American Journal of Plant Sciences, 2017, 08, 3140-3161.	0.3	0
51	Comparative proteomic analysis of the heterosis phenomenon in papaya roots. Scientia Horticulturae, 2016, 209, 178-186.	1.7	7
52	Polyamine, amino acid, and carbohydrate profiles during seed storage of threatened woody species of the Brazilian Atlantic Forest may be associated with seed viability maintenance. Revista Brasileira De Botanica, 2016, 39, 985-995.	0.5	5
53	DNA methylation and proteome profiles of Araucaria angustifolia (Bertol.) Kuntze embryogenic cultures as affected by plant growth regulators supplementation. Plant Cell, Tissue and Organ Culture, 2016, 125, 353-374.	1.2	41
54	In vitro organogenesis of Cedrela fissilis Vell. (Meliaceae): the involvement of endogenous polyamines and carbohydrates on shoot development. Plant Cell, Tissue and Organ Culture, 2016, 124, 611-620.	1.2	23

#	Article	IF	Citations
55	Putrescine induces somatic embryo development and proteomic changes in embryogenic callus of sugarcane. Journal of Proteomics, 2016, 130, 170-179.	1.2	77
56	Mps1 (Monopolar Spindle 1) Protein Inhibition Affects Cellular Growth and Pro-Embryogenic Masses Morphology in Embryogenic Cultures of Araucaria angustifolia (Araucariaceae). PLoS ONE, 2016, 11, e0153528.	1.1	5
57	Isolating and Measuring the Growth and Morphology of Pro-embryogenic Masses in Araucaria angustifolia (Bertol.) Kuntze (Araucariaceae). Bio-protocol, 2016, 6, .	0.2	4
58	High level of sucrose, spermine and spermidine are related with the early germination in Plathymenia foliolosa compared to Dalbergia nigra. Theoretical and Experimental Plant Physiology, 2015, 27, 237-249.	1.1	2
59	Free amino acids, polyamines, soluble sugars and proteins during seed germination and early seedling growth of Cedrela fissilis Vellozo (Meliaceae), an endangered hardwood species from the Atlantic Forest in Brazil. Theoretical and Experimental Plant Physiology, 2015, 27, 157-169.	1.1	24
60	Label-Free Quantitative Proteomics of Embryogenic and Non-Embryogenic Callus during Sugarcane Somatic Embryogenesis. PLoS ONE, 2015, 10, e0127803.	1.1	65
61	Comparative proteomic analysis of somatic embryo maturation in Carica papaya L.. Proteome Science, 2014, 12, 37.	0.7	52
62	Dynamics of physiological and biochemical changes during somatic embryogenesis of Acca sellowiana. In Vitro Cellular and Developmental Biology - Plant, 2014, 50, 166-175.	0.9	27
63	Polyamines affect the cellular growth and structure ofÂproâ€embryogenic masses in Araucaria angustifolia embryogenic cultures through the modulation of proton pump activities and endogenous levels of polyamines. Physiologia Plantarum, 2013, 148, 121-132.	2.6	52
64	Morphological and polyamine content changes in embryogenic and non-embryogenic callus of sugarcane. Plant Cell, Tissue and Organ Culture, 2013, 114, 351-364.	1.2	59
65	Polyethylene glycol effects on somatic embryogenesis of papaya hybrid UENF/CALIMAN 01 seeds. Theoretical and Experimental Plant Physiology, 2013, 25, 116-124.	1.1	23
66	Glutathione improves early somatic embryogenesis in Araucaria angustifolia (Bert) O. Kuntze by alteration in nitric oxide emission. Plant Science, 2012, 195, 80-87.	1.7	44
67	Accumulation pattern of dehydrins during sugarcane (var. SP80.3280) somatic embryogenesis. Plant Cell Reports, 2012, 31, 2139-2149.	2.8	10
68	Structural and Functional Characterization of the Protein Kinase Mps1 in Arabidopsis thaliana. PLoS ONE, 2012, 7, e45707.	1.1	13
69	Differential proteome analysis of mature and germinated embryos of Araucaria angustifolia. Phytochemistry, 2011, 72, 302-311.	1.4	47
70	Humic Acid Effect on Catalase Activity and the Generation of Reactive Oxygen Species in Corn (Zea) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	87
71	Challenges in proteome analyses of tropical plants. Brazilian Journal of Plant Physiology, 2011, 23, 91-104.	0.5	14
72	Biochemical and morphological changes during the growth kinetics of Araucaria angustifolia suspension cultures. Brazilian Archives of Biology and Technology, 2010, 53, 497-504.	0.5	28

#	ARTICLE	IF	CITATIONS
73	Two-dimensional gel electrophoretic protein profile analysis during seed development of Ocotea catharinensis: a recalcitrant seed species. Brazilian Journal of Plant Physiology, 2010, 22, 23-33.	0.5	17
74	Nitrosyl ethylenediaminetetraacetate ruthenium(II) complex promotes cellular growth and could be used as nitric oxide donor in plants. Plant Science, 2010, 178, 448-453.	1.7	8
75	Polyamine patterns in haploid and diploid tobacco tissues and in vitro cultures. Brazilian Archives of Biology and Technology, 2010, 53, 409-417.	0.5	3
76	In vitro morphogenesis and cell suspension culture establishment in Piper solmsianum C. DC. (Piperaceae). Acta Botanica Brasilica, 2009, 23, 274-281.	0.8	17
77	Polyamines, amino acids, IAA and ABA contents during Ocotea catharinensis seed germination. Seed Science and Technology, 2009, 37, 42-51.	0.6	17
78	Dynamics of biochemical and morphophysiological changes during zygotic embryogenesis in Acca sellowiana (Berg.) Burr.. Plant Growth Regulation, 2009, 59, 103-115.	1.8	6
79	Changes in the 2-DE protein profile during zygotic embryogenesis in the Brazilian Pine (Araucaria) Tj ETQq1 1 0.784314 rgBT /Overloc	1.2	61
80	Endogenous abscisic acid and protein contents during seed development of Araucaria angustifolia. Biologia Plantarum, 2008, 52, 101-104.	1.9	37
81	Polyamine effects on growth and endogenous hormones levels in Araucaria angustifolia embryogenic cultures. Plant Cell, Tissue and Organ Culture, 2007, 89, 55-62.	1.2	85
82	Polyamine and nitric oxide levels relate with morphogenetic evolution in somatic embryogenesis of Ocotea catharinensis. Plant Cell, Tissue and Organ Culture, 2007, 90, 93-101.	1.2	46
83	Polyamine effects on the endogenous polyamine contents, nitric oxide release, growth and differentiation of embryogenic suspension cultures of Araucaria angustifolia (Bert.) O. Ktze.. Plant Science, 2006, 171, 91-98.	1.7	111
84	IAA, ABA, polyamines and free amino acids associated with zygotic embryo development of Ocotea catharinensis. Plant Growth Regulation, 2006, 49, 237-247.	1.8	53
85	Polyamines Induce Rapid Biosynthesis of Nitric Oxide (NO) in Arabidopsis thaliana Seedlings. Plant and Cell Physiology, 2006, 47, 346-354.	1.5	434
86	Title is missing!. Plant Cell, Tissue and Organ Culture, 2004, 76, 53-60.	1.2	90
87	Biochemical changes during seed development in Pinus taeda L.. Plant Growth Regulation, 2004, 44, 147-156.	1.8	47
88	Biochemical changes during seed development in Pinus taeda L.. Plant Growth Regulation, 2004, 44, 147-156.	1.8	5
89	Somatic Embryogenesis in Parana Pine (Araucaria angustifolia (Bert.) O. Kuntze). Brazilian Archives of Biology and Technology, 2002, 45, 97-106.	0.5	58
90	Somatic Embryogenesis in Araucaria angustifolia (Bert) O. Ktze. Forestry Sciences, 2000, , 457-478.	0.4	23

#	Article	IF	Citations
91	Physiological, epigenetic, and proteomic responses in Pfaffia glomerata growth in vitro under salt stress and 5-azacytidine. Protoplasma, 0, , .	1.0	2