Eny Iochevet Segal Floh

List of Publications by Year
in descending order

90 papers	2,748 citations	147786 31 h-index	206102 48 g-index
92 all docs	92 docs citations	92 times ranked	2515 citing authors

#	Article	IF	Citations
1	Polyamines Induce Rapid Biosynthesis of Nitric Oxide (NO) in Arabidopsis thaliana Seedlings. Plant and Cell Physiology, 2006, 47, 346-354.	3.1	434
2	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.	3.6	111
3	Endophytic and rhizospheric enterobacteria isolated from sugar cane have differentÂpotentials for producing plant growth-promoting substances. Plant and Soil, 2012, 353, 409-417.	3.7	91
4	Title is missing!. Plant Cell, Tissue and Organ Culture, 2004, 76, 53-60.	2.3	90
5	Polyamine effects on growth and endogenous hormones levels in Araucaria angustifolia embryogenic cultures. Plant Cell, Tissue and Organ Culture, 2007, 89, 55-62.	2.3	85
6	Plant growth regulators and amino acids released by Azospirillum sp. in chemically defined media. Letters in Applied Microbiology, 2003, 37, 174-178.	2.2	66
7	Label-Free Quantitative Proteomics of Embryogenic and Non-Embryogenic Callus during Sugarcane Somatic Embryogenesis. PLoS ONE, 2015, 10, e0127803.	2.5	65
8	Changes in the 2-DE protein profile during zygotic embryogenesis in the Brazilian Pine (Araucaria) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.4	61
9	Proteomic analysis and polyamines, ethylene and reactive oxygen species levels of Araucaria angustifolia (Brazilian pine) embryogenic cultures with different embryogenic potential. Tree Physiology, 2014, 34, 94-104.	3.1	60
10	Morphological and polyamine content changes in embryogenic and non-embryogenic callus of sugarcane. Plant Cell, Tissue and Organ Culture, 2013, 114, 351-364.	2.3	59
11	Comparative transcriptome analysis of early somatic embryo formation and seed development in Brazilian pine, Araucaria angustifolia (Bertol.) Kuntze. Plant Cell, Tissue and Organ Culture, 2015, 120, 903-915.	2.3	59
12	Polyamines, IAA and ABA during germination in two recalcitrant seeds: Araucaria angustifolia (Gymnosperm) and Ocotea odorifera (Angiosperm). Annals of Botany, 2011, 108, 337-345.	2.9	55
13	IAA, ABA, polyamines and free amino acids associated with zygotic embryo development of Ocotea catharinensis. Plant Growth Regulation, 2006, 49, 237-247.	3.4	53
14	Polyamines affect the cellular growth and structure ofÂproâ€embryogenic masses in <i>Araucaria angustifolia</i> embryogenic cultures through the modulation of proton pump activities and endogenous levels of polyamines. Physiologia Plantarum, 2013, 148, 121-132.	5.2	52
15	A gymnosperm homolog of SOMATIC EMBRYOGENESIS RECEPTOR-LIKE KINASE-1 (SERK1) is expressed during somatic embryogenesis. Plant Cell, Tissue and Organ Culture, 2012, 109, 41-50.	2.3	50
16	A novel regeneration system for a wild passion fruit species (Passiflora cincinnata Mast.) based on somatic embryogenesis from mature zygotic embryos. Plant Cell, Tissue and Organ Culture, 2009, 99, 47-54.	2.3	48
17	SERK Gene Homolog Expression, Polyamines and Amino Acids Associated with Somatic Embryogenic Competence of Ocotea catharinensis Mez. (Lauraceae). Plant Cell, Tissue and Organ Culture, 2004, 79, 53-61.	2.3	47
18	Biochemical changes during seed development in Pinus taeda L.. Plant Growth Regulation, 2004, 44, 147-156.	3.4	47

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19	Differential proteome analysis of mature and germinated embryos of Araucaria angustifolia. Phytochemistry, 2011, 72, 302-311.	2.9	47
20	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.	2.3	46
21	Elucidation of the polyamine biosynthesis pathway during Brazilian pine (Araucaria angustifolia) seed development. Tree Physiology, 2017, 37, 116-130.	3.1	45
22	Polyamine- and Amino Acid-Related Metabolism: The Roles of Arginine and Ornithine are Associated with the Embryogenic Potential. Plant and Cell Physiology, 2018, 59, 1084-1098.	3.1	45
23	Glutathione improves early somatic embryogenesis in Araucaria angustifolia (Bert) O. Kuntze by alteration in nitric oxide emission. Plant Science, 2012, 195, 80-87.	3.6	44
24	Carbohydrate-mediated responses during zygotic and early somatic embryogenesis in the endangered conifer, Araucaria angustifolia. PLoS ONE, 2017, 12, e0180051.	2.5	41
25	Quantitative proteomic analysis of Araucaria angustifolia (Bertol.) Kuntze cell lines with contrasting embryogenic potential. Journal of Proteomics, 2016, 130, 180-189.	2.4	40
26	Phenylpropanoid derivatives and biflavones at different stages of differentiation and development of Araucaria angustifolia. Phytochemistry, 2000, 55, 575-580.	2.9	39
27	Gene expression during early somatic embryogenesis in Brazilian pine (Araucaria angustifolia (Bert) O.) Tj ETQq1 1 0.784314 rgBT /Ov	2.3	38
28	Endogenous abscisic acid and protein contents during seed development of Araucaria angustifolia. Biologia Plantarum, 2008, 52, 101-104.	1.9	37
29	Downregulation of PHYTOCHROME-INTERACTING FACTOR 4 Influences Plant Development and Fruit Production. Plant Physiology, 2019, 181, 1360-1370.	4.8	37
30	Free Amino Acid, Protein and Water Content Changes Associated with Seed Development in Araucaria angustifolia. Biologia Plantarum, 2003, 46, 53-59.	1.9	35
31	Ethylene and polyamine production patterns during in vitro shoot organogenesis of two passion fruit species as affected by polyamines and their inhibitor. Plant Cell, Tissue and Organ Culture, 2009, 99, 199-208.	2.3	34
32	Changes in polyamines content associated with zygotic embryogenesis in the Brazilian pine, Araucaria angustifolia (Bert.) O. Ktze.. Revista Brasileira De Botanica, 2003, 26, 163-168.	1.3	33
33	Free amino acid composition of Annona (Annonaceae) fruit species of economic interest. Industrial Crops and Products, 2013, 45, 373-376.	5.2	33
34	Umami Ingredient: Flavor enhancer from shiitake (Lentinula edodes) byproducts. Food Research International, 2020, 137, 109540.	6.2	31
35	Ectopic expression of a fruit phytoene synthase from Citrus paradisi Macf. promotes abiotic stress tolerance in transgenic tobacco. Molecular Biology Reports, 2012, 39, 10201-10209.	2.3	27
36	Dynamics of physiological and biochemical changes during somatic embryogenesis of Acca sellowiana. In Vitro Cellular and Developmental Biology - Plant, 2014, 50, 166-175.	2.1	27

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37	Beijerinckia derxii releases plant growth regulators and amino acids in synthetic media independent of nitrogenase activity. Journal of Applied Microbiology, 2003, 95, 799-806.	3.1	26
38	Isolation and characterisation of aerobic endospore forming Bacilli from sugarcane rhizosphere for the selection of strains with agriculture potentialities. World Journal of Microbiology and Biotechnology, 2012, 28, 1593-1603.	3.6	24
39	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.	2.4	24
40	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.	2.3	23
41	Title is missing!. Plant Growth Regulation, 2003, 39, 113-118.	3.4	21
42	Ethylene and polyamine interactions in morphogenesis of Passiflora cincinnata: effects of ethylene biosynthesis and action modulators, as well as ethylene scavengers. Plant Growth Regulation, 2010, 62, 9-19.	3.4	20
43	In vitro morphogenesis and cell suspension culture establishment in Piper solmsianum C. DC. (Piperaceae). Acta Botanica Brasilica, 2009, 23, 274-281.	0.8	17
44	Polyamines, amino acids, IAA and ABA contents during Ocotea catharinensis seed germination. Seed Science and Technology, 2009, 37, 42-51.	1.4	17
45	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
46	Signaling pathway played by salicylic acid, gentisic acid, nitric oxide, polyamines and non-enzymatic antioxidants in compatible and incompatible Solanum-tomato mottle mosaic virus interactions. Plant Science, 2020, 290, 110274.	3.6	17
47	Sargassum stenophyllum (Fucales, Ochrophyta) responses to temperature short-term exposure: photosynthesis and chemical composition. Revista Brasileira De Botanica, 2020, 43, 733-745.	1.3	16
48	WUSCHEL-related genes are expressed during somatic embryogenesis of the basal angiosperm Ocotea catharinensis Mez. (Lauraceae). Trees - Structure and Function, 2012, 26, 493-501.	1.9	14
49	Challenges in proteome analyses of tropical plants. Brazilian Journal of Plant Physiology, 2011, 23, 91-104.	0.5	14
50	Neolignans and sesquiterpenes from leaves and embryogenic cultures of Ocotea Catharinensis (Lauraceae). Journal of the Brazilian Chemical Society, 2009, 20, 853-859.	0.6	13
51	Cloning and expression of embryogenesis-regulating genes in Araucaria angustifolia (Bert.) O. Kuntze (Brazilian Pine). Genetics and Molecular Biology, 2012, 35, 172-181.	1.3	13
52	Methylation patterns revealed by MSAP profiling in genetically stable somatic embryogenic cultures of Ocotea catharinensis (Lauraceae). In Vitro Cellular and Developmental Biology - Plant, 2010, 46, 368-377.	2.1	12
53	Identification and Evaluation of Reference Genes for Quantitative Analysis of Brazilian Pine (Araucaria angustifolia Bertol. Kuntze) Gene Expression. PLoS ONE, 2015, 10, e0136714.	2.5	11
54	Overexpression of the CaHB12 transcription factor in cotton (Gossypium hirsutum) improves drought tolerance. Plant Physiology and Biochemistry, 2021, 165, 80-93.	5.8	11

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55	Variation of histological patterns in tobacco callus during successive subcultures. Canadian Journal of Botany, 1985, 63, 1794-1800.	1.1	10
56	During stationary phase, Beijerinckia derxii shows nitrogenase activity concomitant with the release and accumulation of nitrogenated substances. Microbiological Research, 2003, 158, 309-315.	5.3	10
57	Suppression of ethylene levels promotes morphogenesis in pepper (Capsicum annuum L.). In Vitro Cellular and Developmental Biology - Plant, 2013, 49, 759-764.	2.1	10
58	Differentiation of Tracheary Elements in Sugarcane Suspension Cells Involves Changes in Secondary Wall Deposition and Extensive Transcriptional Reprogramming. Frontiers in Plant Science, 2020, 11, 617020.	3.6	10
59	ECOPHYSIOLOGICAL AND BIOCHEMICAL PARAMETERS FOR ASSESSING Cr+6 STRESS CONDITIONS IN Pterogyne nitens Tul.: NEW AND USUAL METHODS FOR THE MANAGEMENT AND RESTORATION OF DEGRADED AREAS. Environmental Engineering and Management Journal, 2014, 13, 3073-3081.	0.6	10
60	Tissue, cell culture and micropropagation of Mandevilla velutina, a natural source of a bradykinin antagonist. Plant Cell Reports, 1988, 7, 564-566.	5.6	9
61	Effect of Photoperiod and Chlorogenic Acid on Morphogenesis in Leaf Discs of Streptocarpus Nobilis. Biologia Plantarum, 2001, 44, 615-618.	1.9	9
62	Chemometric analysis of ESIMS and NMR data from Piper species. Journal of the Brazilian Chemical Society, 2011, 22, 2371-2382.	0.6	9
63	Diazotrophyc rhizobacteria isolated from sugarcane can release amino acids in a synthetic culture medium. Biology and Fertility of Soils, 2011, 47, 957-962.	4.3	9
64	Differential expression of polyamine biosynthetic pathways in skin lesions and in plasma reveals distinct profiles in diffuse cutaneous leishmaniasis. Scientific Reports, 2020, 10, 10543.	3.3	9
65	Selection and validation of reference genes for measuring gene expression in Piper species at different life stages using RT-qPCR analysis. Plant Physiology and Biochemistry, 2022, 171, 201-212.	5.8	9
66	Duckweeds as Promising Food Feedstocks Globally. Agronomy, 2022, 12, 796.	3.0	9
67	Title is missing!. Plant Cell, Tissue and Organ Culture, 2001, 64, 73-76.	2.3	8
68	Nitrosyl ethylenediaminetetraacetate ruthenium(II) complex promotes cellular growth and could be used as nitric oxide donor in plants. Plant Science, 2010, 178, 448-453.	3.6	8
69	Polyamine and amino acid profiles in immature Araucaria angustifolia seeds and their association with embryogenic culture establishment. Trees - Structure and Function, 2020, 34, 845-854.	1.9	8
70	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.	2.3	8
71	Tissue culture and micropropagation of Cuphea ericoides, a potential source of medium-chain fatty acids. Plant Cell, Tissue and Organ Culture, 1995, 40, 187-189.	2.3	7
72	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.	2.3	7

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73	Dynamics of biochemical and morphophysiological changes during zygotic embryogenesis in Acca sellowiana (Berg.) Burr.. Plant Growth Regulation, 2009, 59, 103-115.	3.4	6
74	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.	1.3	5
75	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.	2.3	5
76	Mitochondrial bioenergetics and enzymatic antioxidant defense differ in ParanÃ¡ pine cell lines with contrasting embryogenic potential. Free Radical Research, 2021, 55, 255-266.	3.3	5
77	Biochemical changes during seed development in Pinus taeda L.. Plant Growth Regulation, 2004, 44, 147-156.	3.4	5
78	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.	2.5	5
79	Chromosomal variability and growth rate in cell suspension cultures of Stevia rebaudiana (Bert.) Bertoni. Plant Science, 1993, 93, 169-176.	3.6	4
80	Cell-to-cell trafficking patterns in cell lines of Araucaria angustifolia (Brazilian pine) with contrasting embryogenic potential. Plant Cell, Tissue and Organ Culture, 2022, 148, 81-93.	2.3	4
81	Frutanos em calos de Smallanthus sonchifolius (Poepp.) H. Rob. Hoehnea (revista), 2009, 36, 89-97.	0.2	4
82	Proteomic Analysis of S-Nitrosation Sites During Somatic Embryogenesis in Brazilian Pine, Araucaria angustifolia (Bertol.) Kuntze. Frontiers in Plant Science, 0, 13, .	3.6	4
83	Free amino acid content in trunk, branches and branchlets of Araucaria angustifolia (Araucariaceae). Journal of Forestry Research, 2018, 29, 1489-1496.	3.6	3
84	Starch turnover is stimulated by nitric oxide in embryogenic cultures of Araucaria angustifolia. Plant Cell, Tissue and Organ Culture, 2021, 147, 583-597.	2.3	3
85	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
86	Building an embryo: An auxin gene toolkit for zygotic and somatic embryogenesis in Brazilian pine. Gene, 2022, 817, 146168.	2.2	3
87	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.	2.4	2
88	Proteomics as a Tool to Study Molecular Changes During Plant Morphogenesis In Vitro. Methods in Molecular Biology, 2018, 1815, 339-349.	0.9	1
89	SlBBX28 positively regulates plant growth and flower number in an auxin-mediated manner in tomato. Plant Molecular Biology, 0, , .	3.9	1
90	Establishiment of molecular markers for early selection of embryogenic cultures with high embryogenic potential in brazilian pine (Araucaria angustifolia(BERT) O. KTZE). BMC Proceedings, 2011, 5, .	1.6	0