

Attila Feher

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1319904/attila-feher-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

3,126
citations

21
h-index

44
g-index

44
ext. papers

3,570
ext. citations

5.2
avg. IF

5.68
L-index

#	Paper	IF	Citations
42	The effect of drought and heat stress on reproductive processes in cereals. <i>Plant, Cell and Environment</i> , 2008 , 31, 11-38	8.4	903
41	Transition of somatic plant cells to an embryogenic state. <i>Plant Cell, Tissue and Organ Culture</i> , 2003 , 74, 201-228	2.7	448
40	Somatic embryogenesis - Stress-induced remodeling of plant cell fate. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2015 , 1849, 385-402	6	260
39	The Role of auxin, pH, and stress in the activation of embryogenic cell division in leaf protoplast-derived cells of alfalfa. <i>Plant Physiology</i> , 2002 , 129, 1807-19	6.6	260
38	A novel aldose/aldehyde reductase protects transgenic plants against lipid peroxidation under chemical and drought stresses. <i>Plant Journal</i> , 2000 , 24, 437-46	6.9	186
37	Nitric oxide is required for, and promotes auxin-mediated activation of, cell division and embryogenic cell formation but does not influence cell cycle progression in alfalfa cell cultures. <i>Plant Journal</i> , 2005 , 43, 849-60	6.9	131
36	Callus, Dedifferentiation, Totipotency, Somatic Embryogenesis: What These Terms Mean in the Era of Molecular Plant Biology?. <i>Frontiers in Plant Science</i> , 2019 , 10, 536	6.2	88
35	Production of transgenic maize plants by direct DNA uptake into embryogenic protoplasts. <i>Plant Science</i> , 1993 , 90, 41-52	5.3	82
34	Cell cycle function of a <i>Medicago sativa</i> A2-type cyclin interacting with a PSTAIRE-type cyclin-dependent kinase and a retinoblastoma protein. <i>Plant Journal</i> , 2000 , 23, 73-83	6.9	80
33	Multiple cyclin-dependent kinase complexes and phosphatases control G2/M progression in alfalfa cells. <i>Plant Molecular Biology</i> , 2000 , 43, 595-605	4.6	71
32	Inhibition of serine/threonine-specific protein phosphatases causes premature activation of cdc2MsF kinase at G2/M transition and early mitotic microtubule organisation in alfalfa. <i>Plant Journal</i> , 2000 , 23, 85-96	6.9	61
31	Phytoglobins can interfere with nitric oxide functions during plant growth and pathogenic responses: a transgenic approach. <i>Plant Science</i> , 2003 , 165, 541-550	5.3	58
30	Linked activation of cell division and oxidative stress defense in alfalfa leaf protoplast-derived cells is dependent on exogenous auxin. <i>Plant Growth Regulation</i> , 2007 , 51, 109-117	3.2	50
29	Barley ROP binding kinase1 is involved in microtubule organization and in basal penetration resistance to the barley powdery mildew fungus. <i>Plant Physiology</i> , 2012 , 159, 311-20	6.6	41
28	Characterization of a family of <i>Arabidopsis</i> receptor-like cytoplasmic kinases (RLCK class VI). <i>Plant Cell Reports</i> , 2008 , 27, 739-48	5.1	40
27	Why Somatic Plant Cells Start to form Embryos?85-101		37
26	Dominant expression of a gene amplification-related herbicide resistance in medicago cell hybrids. <i>Plant Cell Reports</i> , 1988 , 7, 158-61	5.1	36

25	Histological and microarray analysis of the direct effect of water shortage alone or combined with heat on early grain development in wheat (<i>Triticum aestivum</i>). <i>Physiologia Plantarum</i> , 2010 , 140, 174-88	4.6	27
24	Plant Rho-type (Rop) GTPase-dependent activation of receptor-like cytoplasmic kinases in vitro. <i>FEBS Letters</i> , 2009 , 583, 1175-82	3.8	27
23	Mitosis-specific promoter of the alfalfa cyclin-dependent kinase gene (Medsa;CDKB2;1) is activated by wounding and ethylene in a non-cell division-dependent manner. <i>Plant Physiology</i> , 2006 , 140, 693-703	6.6	25
22	Differential activity of the mannopine synthase and the CaMV 35S promoters during development of transgenic rapeseed plants. <i>Plant Science</i> , 1994 , 95, 175-186	5.3	23
21	The Arabidopsis ROP-activated receptor-like cytoplasmic kinase RLCK VI_A3 is involved in control of basal resistance to powdery mildew and trichome branching. <i>Plant Cell Reports</i> , 2015 , 34, 457-68	5.1	16
20	Signals fly when kinases meet Rho-of-plants (ROP) small G-proteins. <i>Plant Science</i> , 2015 , 237, 93-107	5.3	15
19	The Arabidopsis glutathione transferases, AtGSTF8 and AtGSTU19 are involved in the maintenance of root redox homeostasis affecting meristem size and salt stress sensitivity. <i>Plant Science</i> , 2019 , 283, 366-374	5.3	14
18	The phosphomimetic mutation of an evolutionarily conserved serine residue affects the signaling properties of Rho of plants (ROPs). <i>Plant Journal</i> , 2011 , 66, 669-79	6.9	14
17	Meristem, cell division and S phase-dependent activity of wheat histone H4 promoter in transgenic maize plants. <i>Plant Science</i> , 1999 , 143, 35-44	5.3	14
16	Capillary chromatography/microelectrospray mass spectrometry used for the identification of putative cyclin-dependent kinase inhibitory protein in Medicago. <i>Rapid Communications in Mass Spectrometry</i> , 1998 , 12, 1564-8	2.2	13
15	Polyamines treatment during pollen germination and pollen tube elongation in tobacco modulate reactive oxygen species and nitric oxide homeostasis. <i>Journal of Plant Physiology</i> , 2020 , 244, 153085	3.6	13
14	AtCRK5 Protein Kinase Exhibits a Regulatory Role in Hypocotyl Hook Development during Skotomorphogenesis. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	12
13	Characterization of three Rop GTPase genes of alfalfa (<i>Medicago sativa</i> L.). <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2006 , 1759, 108-15		12
12	Transformation vector based on promoter and intron sequences of a replacement histone H3 gene. A tool for high, constitutive gene expression in plants. <i>Transgenic Research</i> , 2002 , 11, 69-72	3.3	12
11	The histone phosphatase inhibitory property of plant nucleosome assembly protein-related proteins (NRPs). <i>Plant Physiology and Biochemistry</i> , 2012 , 52, 162-8	5.4	11
10	Identification of genes preferentially expressed in wheat egg cells and zygotes. <i>Plant Cell Reports</i> , 2013 , 32, 339-48	5.1	8
9	CRK5 Protein Kinase Contributes to the Progression of Embryogenesis of. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
8	The Effect of Foliar Selenium (Se) Treatment on Growth, Photosynthesis, and Oxidative-Nitrosative Signalling of Leaves. <i>Antioxidants</i> , 2021 , 10,	7.1	8

7	Timely removal of exogenous cytokinin and the prevention of auxin transport from the shoot to the root affect the regeneration potential of Arabidopsis roots. <i>Plant Cell, Tissue and Organ Culture</i> , 2020 , 140, 327-339	2.7	6
6	Polyamine Metabolism Is Involved in the Direct Regeneration of Shoots from Arabidopsis Lateral Root Primordia. <i>Plants</i> , 2021 , 10,	4.5	5
5	Two Receptor-Like Kinases Required For Arabidopsis Endodermal Root Organisation Shape The Rhizosphere Microbiome		3
4	Increased adaptation of an energy willow cultivar to soil salinity by duplication of its genome size. <i>Biomass and Bioenergy</i> , 2020 , 140, 105655	5.3	3
3	The AtCRK5 Protein Kinase Is Required to Maintain the ROS NO Balance Affecting the PIN2-Mediated Root Gravitropic Response in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
2	Crosstalk between the Arabidopsis Glutathione Peroxidase-Like 5 Isoenzyme (AtGPXL5) and Ethylene. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5749	6.3	1
1	In silico identification and experimental validation of amino acid motifs required for the Rho-of-plants GTPase-mediated activation of receptor-like cytoplasmic kinases. <i>Plant Cell Reports</i> , 2018 , 37, 627-639	5.1	0