Attila Feher

List of Publications by Year in Descending Order

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	Crosstalk between the Arabidopsis Glutathione Peroxidase-Like 5 Isoenzyme (AtGPXL5) and Ethylene. *International Journal of Molecular Sciences*, **2022**, 23, 5749	6.3	1
41	The AtCRK5 Protein Kinase Is Required to Maintain the ROS NO Balance Affecting the PIN2-Mediated Root Gravitropic Response in Arabidopsis. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
40	Polyamine Metabolism Is Involved in the Direct Regeneration of Shoots from Arabidopsis Lateral Root Primordia. *Plants*, **2021**, 10,	4.5	5
39	The Effect of Foliar Selenium (Se) Treatment on Growth, Photosynthesis, and Oxidative-Nitrosative Signalling of Leaves. *Antioxidants*, **2021**, 10,	7.1	8
38	Timely removal of exogenous cytokinin and the prevention of auxin transport from the shoot to the root affect the regeneration potential of Arabidopsis roots. *Plant Cell, Tissue and Organ Culture*, **2020**, 140, 327-339	2.7	6
37	Polyamines treatment during pollen germination and pollen tube elongation in tobacco modulate reactive oxygen species and nitric oxide homeostasis. *Journal of Plant Physiology*, **2020**, 244, 153085	3.6	13
36	Increased adaptation of an energy willow cultivar to soil salinity by duplication of its genome size. *Biomass and Bioenergy*, **2020**, 140, 105655	5.3	3
35	The Arabidopsis glutathione transferases, AtGSTF8 and AtGSTU19 are involved in the maintenance of root redox homeostasis affecting meristem size and salt stress sensitivity. *Plant Science*, **2019**, 283, 366-374	5.3	14
34	Callus, Dedifferentiation, Totipotency, Somatic Embryogenesis: What These Terms Mean in the Era of Molecular Plant Biology?. *Frontiers in Plant Science*, **2019**, 10, 536	6.2	88
33	AtCRK5 Protein Kinase Exhibits a Regulatory Role in Hypocotyl Hook Development during Skotomorphogenesis. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	12
32	CRK5 Protein Kinase Contributes to the Progression of Embryogenesis of. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	8
31	In silico identification and experimental validation of amino acid motifs required for the Rho-of-plants GTPase-mediated activation of receptor-like cytoplasmic kinases. *Plant Cell Reports*, **2018**, 37, 627-639	5.1	0
30	Signals fly when kinases meet Rho-of-plants (ROP) small G-proteins. *Plant Science*, **2015**, 237, 93-107	5.3	15
29	The Arabidopsis ROP-activated receptor-like cytoplasmic kinase RLCK VI_A3 is involved in control of basal resistance to powdery mildew and trichome branching. *Plant Cell Reports*, **2015**, 34, 457-68	5.1	16
28	Somatic embryogenesis - Stress-induced remodeling of plant cell fate. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2015**, 1849, 385-402	6	260
27	Identification of genes preferentially expressed in wheat egg cells and zygotes. *Plant Cell Reports*, **2013**, 32, 339-48	5.1	8
26	The histone phosphatase inhibitory property of plant nucleosome assembly protein-related proteins (NRPs). *Plant Physiology and Biochemistry*, **2012**, 52, 162-8	5.4	11

25	Barley ROP binding kinase1 is involved in microtubule organization and in basal penetration resistance to the barley powdery mildew fungus. *Plant Physiology*, **2012**, 159, 311-20	6.6	41
24	The phosphomimetic mutation of an evolutionarily conserved serine residue affects the signaling properties of Rho of plants (ROPs). *Plant Journal*, **2011**, 66, 669-79	6.9	14
23	Histological and microarray analysis of the direct effect of water shortage alone or combined with heat on early grain development in wheat (Triticum aestivum). *Physiologia Plantarum*, **2010**, 140, 174-88	4.6	27
22	Plant Rho-type (Rop) GTPase-dependent activation of receptor-like cytoplasmic kinases in vitro. *FEBS Letters*, **2009**, 583, 1175-82	3.8	27
21	The effect of drought and heat stress on reproductive processes in cereals. *Plant, Cell and Environment*, **2008**, 31, 11-38	8.4	903
20	Characterization of a family of Arabidopsis receptor-like cytoplasmic kinases (RLCK class VI). *Plant Cell Reports*, **2008**, 27, 739-48	5.1	40
19	Linked activation of cell division and oxidative stress defense in alfalfa leaf protoplast-derived cells is dependent on exogenous auxin. *Plant Growth Regulation*, **2007**, 51, 109-117	3.2	50
18	Characterization of three Rop GTPase genes of alfalfa (Medicago sativa L.). *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **2006**, 1759, 108-15		12
17	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. *Plant Physiology*, **2006**, 140, 693-703	6.6	25
16	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. *Plant Journal*, **2005**, 43, 849-60	6.9	131
15	Transition of somatic plant cells to an embryogenic state. *Plant Cell, Tissue and Organ Culture*, **2003**, 74, 201-228	2.7	448
14	Phytoglobins can interfere with nitric oxide functions during plant growth and pathogenic responses: a transgenic approach. *Plant Science*, **2003**, 165, 541-550	5.3	58
13	Transformation vector based on promoter and intron sequences of a replacement histone H3 gene. A tool for high, constitutive gene expression in plants. *Transgenic Research*, **2002**, 11, 69-72	3.3	12
12	The Role of auxin, pH, and stress in the activation of embryogenic cell division in leaf protoplast-derived cells of alfalfa. *Plant Physiology*, **2002**, 129, 1807-19	6.6	260
11	Cell cycle function of a Medicago sativa A2-type cyclin interacting with a PSTAIRE-type cyclin-dependent kinase and a retinoblastoma protein. *Plant Journal*, **2000**, 23, 73-83	6.9	80
10	Inhibition of serine/threonine-specific protein phosphatases causes premature activation of cdc2MsF kinase at G2/M transition and early mitotic microtubule organisation in alfalfa. *Plant Journal*, **2000**, 23, 85-96	6.9	61
9	Multiple cyclin-dependent kinase complexes and phosphatases control G2/M progression in alfalfa cells. *Plant Molecular Biology*, **2000**, 43, 595-605	4.6	71
8	A novel aldose/aldehyde reductase protects transgenic plants against lipid peroxidation under chemical and drought stresses. *Plant Journal*, **2000**, 24, 437-46	6.9	186

7	Meristem, cell division and S phase-dependent activity of wheat histone H4 promoter in transgenic maize plants. *Plant Science*, **1999**, 143, 35-44	5.3	14
6	Capillary chromatography/microelectrospray mass spectrometry used for the identification of putative cyclin-dependent kinase inhibitory protein in Medicago. *Rapid Communications in Mass Spectrometry*, **1998**, 12, 1564-8	2.2	13
5	Differential activity of the mannopine synthase and the CaMV 35S promoters during development of transgenic rapeseed plants. *Plant Science*, **1994**, 95, 175-186	5.3	23
4	Production of transgenic maize plants by direct DNA uptake into embryogenic protoplasts. *Plant Science*, **1993**, 90, 41-52	5.3	82
3	Dominant expression of a gene amplification-related herbicide resistance in medicago cell hybrids. *Plant Cell Reports*, **1988**, 7, 158-61	5.1	36
2	Why Somatic Plant Cells Start to form Embryos?85-101		37
1	Two Receptor-Like Kinases Required For Arabidopsis Endodermal Root Organisation Shape The Rhizosphere Microbiome		3