Krisztina Otvos

List of Publications by Year in descending order

20 papers	939 citations	687363 13 h-index	794594 19 g-index
24 all docs	24 docs citations	24 times ranked	1586 citing authors

#	Article	IF	Citations
1	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, 849-860.	5.7	153
2	Arabidopsis PPR40 Connects Abiotic Stress Responses to Mitochondrial Electron Transport Â Â. Plant Physiology, 2008, 146, 1721-1737.	4.8	137
3	Cytokinin response factors regulate PIN-FORMED auxin transporters. Nature Communications, 2015, 6, 8717.	12.8	108
4	The involvement of reactive oxygen species (ROS) in the cell cycle activation (G₀-to-G₁transition) of plant cells. Plant Signaling and Behavior, 2008, 3, 823-826.	2.4	77
5	The CRYPTOCHROME1-Dependent Response to Excess Light Is Mediated through the Transcriptional Activators ZINC FINGER PROTEIN EXPRESSED IN INFLORESCENCE MERISTEM LIKE1 and ZML2 in Arabidopsis. Plant Cell, 2012, 24, 3009-3025.	6.6	62
6	Improvement of isolated microspore culture of pepper (Capsicum annuum L.) via co-culture with ovary tissues of pepper or wheat. Plant Cell, Tissue and Organ Culture, 2009, 97, 285-293.	2.3	60
7	Modulation of plant root growth by nitrogen sourceâ€defined regulation of polar auxin transport. EMBO Journal, 2021, 40, e106862.	7.8	60
8	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.	3.4	59
9	SYNERGISTIC ON AUXIN AND CYTOKININ 1 positively regulates growth and attenuates soil pathogen resistance. Nature Communications, 2020, 11, 2170.	12.8	34
10	Plant Rhoâ€type (Rop) GTPaseâ€dependent activation of receptorâ€like cytoplasmic kinases in vitro. FEBS Letters, 2009, 583, 1175-1182.	2.8	32
11	Use of the Foot-and-Mouth Disease Virus 2A Peptide Co-Expression System to Study Intracellular Protein Trafficking in Arabidopsis. PLoS ONE, 2012, 7, e51973.	2.5	30
12	Nitrate triggered phosphoproteome changes and a PIN2 phosphosite modulating root system architecture. EMBO Reports, 2021, 22, e51813.	4.5	22
13	The phosphomimetic mutation of an evolutionarily conserved serine residue affects the signaling properties of Rho of plants (ROPs). Plant Journal, 2011, 66, 669-679.	5.7	17
14	Spatiotemporal mechanisms of root branching. Current Opinion in Genetics and Development, 2017, 45, 82-89.	3.3	15
15	Phytohormone cytokinin guides microtubule dynamics during cell progression from proliferative to differentiated stage. EMBO Journal, 2020, 39, e104238.	7.8	15
16	Characterization of three Rop GTPase genes of alfalfa (Medicago sativa L.). Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2006, 1759, 108-115.	2.4	13
17	Immunodetection of retinoblastoma-related protein and its phosphorylated form in interphase and mitotic alfalfa cells. Journal of Experimental Botany, 2011, 62, 2155-2168.	4.8	13
18	The histone phosphatase inhibitory property of plant nucleosome assembly protein-related proteins (NRPs). Plant Physiology and Biochemistry, 2012, 52, 162-168.	5.8	13

#	Article	IF	Citations
19	Pickle Recruits Retinoblastoma Related 1 to Control Lateral Root Formation in Arabidopsis. International Journal of Molecular Sciences, 2021, 22, 3862.	4.1	12
20	Specific features of RHO GTPase-dependent signaling in plants. Cell Biology International, 2003, 27, 191-192.	3.0	0