Wolfgang Lukowitz

List of Publications by Year
in descending order

37	4,981	172457	361022
papers	citations	29 h-index	35 g-index

39	39	39	4849
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cytokinesis in the Arabidopsis Embryo Involves the Syntaxin-Related KNOLLE Gene Product. Cell, 1996, 84, 61-71.	28.9	519
2	Stomatal Development and Pattern Controlled by a MAPKK Kinase. Science, 2004, 304, 1494-1497.	12.6	516
3	The Arabidopsis KNOLLE Protein Is a Cytokinesis-specific Syntaxin. Journal of Cell Biology, 1997, 139, 1485-1493.	5.2	500
4	Positional Cloning in Arabidopsis. Why It Feels Good to Have a Genome Initiative Working for You1. Plant Physiology, 2000, 123, 795-806.	4.8	452
5	A MAPKK Kinase Gene Regulates Extra-Embryonic Cell Fate in Arabidopsis. Cell, 2004, 116, 109-119.	28.9	381
6	Paternal Control of Embryonic Patterning in Arabidopsis thaliana. Science, 2009, 323, 1485-1488.	12.6	298
7	Novel and Expanded Roles for MAPK Signaling inArabidopsisStomatal Cell Fate Revealed by Cell Typeâ€“Specific Manipulations Â. Plant Cell, 2009, 21, 3506-3517.	6.6	179
8	Different Auxin Response Machineries Control Distinct Cell Fates in the Early Plant Embryo. Developmental Cell, 2012, 22, 211-222.	7.0	176
9	The Arabidopsis HINKEL Gene Encodes a Kinesin-Related Protein Involved in Cytokinesis and Is Expressed in a Cell Cycle-Dependent Manner. Current Biology, 2002, 12, 153-158.	3.9	169
10	Embryonic Patterning inArabidopsis thaliana. Annual Review of Cell and Developmental Biology, 2007, 23, 207-236.	9.4	163
11	The Arabidopsis KNOLLE and KEULE genes interact to promote vesicle fusion during cytokinesis. Current Biology, 2000, 10, 1371-1374.	3.9	159
12	Regulation of Stomatal Immunity by Interdependent Functions of a Pathogen-Responsive MPK3/MPK6 Cascade and Abscisic Acid. Plant Cell, 2017, 29, 526-542.	6.6	146
13	EDR1 Physically Interacts with MKK4/MKK5 and Negatively Regulates a MAP Kinase Cascade to Modulate Plant Innate Immunity. PLoS Genetics, 2014, 10, e1004389.	3.5	136
14	Downregulation of GAUT12 in Populus deltoides by RNA silencing results in reduced recalcitrance, increased growth and reduced xylan and pectin in a woody biofuel feedstock. Biotechnology for Biofuels, 2015, 8, 41.	6.2	133
15	Glycosylphosphatidylinositol-Anchored Proteins Are Required for Cell Wall Synthesis and Morphogenesis in Arabidopsis. Plant Cell, 2005, 17, 1128-1140.	6.6	132
16	The PLETHORA Gene Regulatory Network Guides Growth and Cell Differentiation in Arabidopsis Roots. Plant Cell, 2016, 28, 2937-2951.	6.6	127
17	A conserved role for kinesin-5 in plant mitosis. Journal of Cell Science, 2007, 120, 2819-2827.	2.0	94
18	The RWP-RK Factor GROUNDED Promotes Embryonic Polarity by Facilitating YODA MAP Kinase Signaling. Current Biology, 2011, 21, 1268-1276.	3.9	82

#	Article	IF	Citations
19	The gravitropism defective 2 Mutants of Arabidopsis Are Deficient in a Protein Implicated in Endocytosis in Caenorhabditis elegans. Plant Physiology, 2004, 136, 3095-3103.	4.8	73
20	Maternal control of embryogenesis by MPK6 and its upstream MKK4/MKK5 in Arabidopsis. Plant Journal, 2017, 92, 1005-1019.	5.7	66
21	The GATA Factor HANABA TARANU Is Required to Position the Proembryo Boundary in the Early Arabidopsis Embryo. Developmental Cell, 2010, 19, 103-113.	7.0	64
22	Auxin and root initiation in somatic embryos of Arabidopsis. Plant Cell Reports, 2006, 26, 1-11.	5.6	58
23	Regulatory and coding regions of the segmentation gene hunchback are functionally conserved between Drosophila virilis and Drosophila melanogaster. Mechanisms of Development, 1994, 45, 105-115.	1.7	52
24	Loss of Arabidopsis GAUT12/IRX8 causes anther indehiscence and leads to reduced G lignin associated with altered matrix polysaccharide deposition. Frontiers in Plant Science, 2014, 5, 357.	3.6	50
25	Microtubule-Associated Kinase-like Protein RUNKEL Needed for Cell Plate Expansion in Arabidopsis Cytokinesis. Current Biology, 2009, 19, 518-523.	3.9	44
26	Constitutive signaling activity of a receptor-associated protein links fertilization with embryonic patterning in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5795-5804.	7.1	39
27	Apicalâ€“basal polarity: why plant cells don't standon their heads. Trends in Plant Science, 2006, 11, 12-14.	8.8	37
28	Taking the very first steps: from polarity to axial domains in the early Arabidopsis embryo. Journal of Experimental Botany, 2011, 62, 1687-1697.	4.8	37
29	Talk global, act localâ€”patterning the Arabidopsis embryo. Current Opinion in Plant Biology, 2008, 11, 28-33.	7.1	36
30	A Genetic Screen for Mutations Affecting Cell Division in the Arabidopsis thaliana Embryo Identifies Seven Loci Required for Cytokinesis. PLoS ONE, 2016, 11, e0146492.	2.5	24
31	Axis formation in Arabidopsis â€“ transcription factors tell their side of the story. Current Opinion in Plant Biology, 2012, 15, 4-9.	7.1	19
32	Going mainstream: How is the body axis of plants first initiated in the embryo?. Developmental Biology, 2016, 419, 78-84.	2.0	13
33	EMS Mutagenesis of Arabidopsis Seeds. Methods in Molecular Biology, 2020, 2122, 15-23.	0.9	5
34	Embryos, Camera, Laser, Action!. Developmental Cell, 2015, 34, 137-138.	7.0	1
35	Genetic Screens to Target Embryo and Endosperm Pathways in Arabidopsis and Maize. Methods in Molecular Biology, 2020, 2122, 3-14.	0.9	1
36	Microtubule-Associated Kinase-like Protein RUNKEL Needed for Cell Plate Expansion in Arabidopsis Cytokinesis. Current Biology, 2009, 19, 536.	3.9	0

#	Article	IF	Citations
37	A game of hide and peek. Developmental Cell, 2021, 56, 3037-3039.	7.0	0