

# Wolfgang Lukowitz

## List of Publications by Year in descending order

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37  
papers

4,981  
citations

172457

29  
h-index

361022

35  
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39  
all docs

39  
docs citations

39  
times ranked

4849  
citing authors

#	ARTICLE	IF	CITATIONS
1	A game of hide and peek. <i>Developmental Cell</i> , 2021, 56, 3037-3039.	7.0	0
2	EMS Mutagenesis of Arabidopsis Seeds. <i>Methods in Molecular Biology</i> , 2020, 2122, 15-23.	0.9	5
3	Genetic Screens to Target Embryo and Endosperm Pathways in Arabidopsis and Maize. <i>Methods in Molecular Biology</i> , 2020, 2122, 3-14.	0.9	1
4	Constitutive signaling activity of a receptor-associated protein links fertilization with embryonic patterning in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5795-5804.	7.1	39
5	Regulation of Stomatal Immunity by Interdependent Functions of a Pathogen-Responsive MPK3/MPK6 Cascade and Abscisic Acid. <i>Plant Cell</i> , 2017, 29, 526-542.	6.6	146
6	Maternal control of embryogenesis by MPK6 and its upstream MKK4/MKK5 in Arabidopsis. <i>Plant Journal</i> , 2017, 92, 1005-1019.	5.7	66
7	A Genetic Screen for Mutations Affecting Cell Division in the Arabidopsis thaliana Embryo Identifies Seven Loci Required for Cytokinesis. <i>PLoS ONE</i> , 2016, 11, e0146492.	2.5	24
8	The PLETHORA Gene Regulatory Network Guides Growth and Cell Differentiation in Arabidopsis Roots. <i>Plant Cell</i> , 2016, 28, 2937-2951.	6.6	127
9	Going mainstream: How is the body axis of plants first initiated in the embryo?. <i>Developmental Biology</i> , 2016, 419, 78-84.	2.0	13
10	Embryos, Camera, Laser, Action!. <i>Developmental Cell</i> , 2015, 34, 137-138.	7.0	1
11	Downregulation of GAUT12 in <i>Populus deltoides</i> by RNA silencing results in reduced recalcitrance, increased growth and reduced xylan and pectin in a woody biofuel feedstock. <i>Biotechnology for Biofuels</i> , 2015, 8, 41.	6.2	133
12	EDR1 Physically Interacts with MKK4/MKK5 and Negatively Regulates a MAP Kinase Cascade to Modulate Plant Innate Immunity. <i>PLoS Genetics</i> , 2014, 10, e1004389.	3.5	136
13	Loss of Arabidopsis GAUT12/IRX8 causes anther indehiscence and leads to reduced G lignin associated with altered matrix polysaccharide deposition. <i>Frontiers in Plant Science</i> , 2014, 5, 357.	3.6	50
14	Different Auxin Response Machinerics Control Distinct Cell Fates in the Early Plant Embryo. <i>Developmental Cell</i> , 2012, 22, 211-222.	7.0	176
15	Axis formation in Arabidopsis – transcription factors tell their side of the story. <i>Current Opinion in Plant Biology</i> , 2012, 15, 4-9.	7.1	19
16	Taking the very first steps: from polarity to axial domains in the early Arabidopsis embryo. <i>Journal of Experimental Botany</i> , 2011, 62, 1687-1697.	4.8	37
17	The RWP-RK Factor GROUNDED Promotes Embryonic Polarity by Facilitating YODA MAP Kinase Signaling. <i>Current Biology</i> , 2011, 21, 1268-1276.	3.9	82
18	The GATA Factor HANABA TARANU Is Required to Position the Proembryo Boundary in the Early Arabidopsis Embryo. <i>Developmental Cell</i> , 2010, 19, 103-113.	7.0	64

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19	Novel and Expanded Roles for MAPK Signaling in <i>Arabidopsis</i> Stomatal Cell Fate Revealed by Cell Type-Specific Manipulations. <i>Plant Cell</i> , 2009, 21, 3506-3517.	6.6	179
20	Microtubule-Associated Kinase-like Protein RUNKEL Needed for Cell Plate Expansion in <i>Arabidopsis</i> Cytokinesis. <i>Current Biology</i> , 2009, 19, 518-523.	3.9	44
21	Microtubule-Associated Kinase-like Protein RUNKEL Needed for Cell Plate Expansion in <i>Arabidopsis</i> Cytokinesis. <i>Current Biology</i> , 2009, 19, 536.	3.9	0
22	Paternal Control of Embryonic Patterning in <i>Arabidopsis thaliana</i> . <i>Science</i> , 2009, 323, 1485-1488.	12.6	298
23	"Talk global, act local" patterning the <i>Arabidopsis</i> embryo. <i>Current Opinion in Plant Biology</i> , 2008, 11, 28-33.	7.1	36
24	A conserved role for kinesin-5 in plant mitosis. <i>Journal of Cell Science</i> , 2007, 120, 2819-2827.	2.0	94
25	Embryonic Patterning in <i>Arabidopsis thaliana</i> . <i>Annual Review of Cell and Developmental Biology</i> , 2007, 23, 207-236.	9.4	163
26	Apical-basal polarity: why plant cells don't stand on their heads. <i>Trends in Plant Science</i> , 2006, 11, 12-14.	8.8	37
27	Auxin and root initiation in somatic embryos of <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2006, 26, 1-11.	5.6	58
28	Glycosylphosphatidylinositol-Anchored Proteins Are Required for Cell Wall Synthesis and Morphogenesis in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2005, 17, 1128-1140.	6.6	132
29	The gravitropism defective 2 Mutants of <i>Arabidopsis</i> Are Deficient in a Protein Implicated in Endocytosis in <i>Caenorhabditis elegans</i> . <i>Plant Physiology</i> , 2004, 136, 3095-3103.	4.8	73
30	Stomatal Development and Pattern Controlled by a MAPKK Kinase. <i>Science</i> , 2004, 304, 1494-1497.	12.6	516
31	A MAPKK Kinase Gene Regulates Extra-Embryonic Cell Fate in <i>Arabidopsis</i> . <i>Cell</i> , 2004, 116, 109-119.	28.9	381
32	The <i>Arabidopsis</i> HINKEL Gene Encodes a Kinesin-Related Protein Involved in Cytokinesis and Is Expressed in a Cell Cycle-Dependent Manner. <i>Current Biology</i> , 2002, 12, 153-158.	3.9	169
33	The <i>Arabidopsis</i> KNOLLE and KEULE genes interact to promote vesicle fusion during cytokinesis. <i>Current Biology</i> , 2000, 10, 1371-1374.	3.9	159
34	Positional Cloning in <i>Arabidopsis</i> . Why It Feels Good to Have a Genome Initiative Working for You. <i>Plant Physiology</i> , 2000, 123, 795-806.	4.8	452
35	The <i>Arabidopsis</i> KNOLLE Protein Is a Cytokinesis-specific Syntaxin. <i>Journal of Cell Biology</i> , 1997, 139, 1485-1493.	5.2	500
36	Cytokinesis in the <i>Arabidopsis</i> Embryo Involves the Syntaxin-Related KNOLLE Gene Product. <i>Cell</i> , 1996, 84, 61-71.	28.9	519

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37	Regulatory and coding regions of the segmentation gene hunchback are functionally conserved between <i>Drosophila virilis</i> and <i>Drosophila melanogaster</i> . <i>Mechanisms of Development</i> , 1994, 45, 105-115.	1.7	52