

Kay Schneitz

List of Publications by Year in descending order

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45
papers

2,872
citations

236925

25
h-index

254184

43
g-index

171
all docs

171
docs citations

171
times ranked

3331
citing authors

#	ARTICLE	IF	CITATIONS
1	Using Steady-State Fluorescence Anisotropy to Study Protein Clustering. <i>Methods in Molecular Biology</i> , 2022, 2457, 253-260.	0.9	4
2	The annotation and analysis of complex 3D plant organs using 3DCoordX. <i>Plant Physiology</i> , 2022, 189, 1278-1295.	4.8	4
3	Using positional information to provide context for biological image analysis with MorphoGraphX 2.0. <i>ELife</i> , 2022, 11, .	6.0	41
4	Cell wall damage attenuates root hair patterning and tissue morphogenesis mediated by the receptor kinase STRUBBELIG. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	10
5	A digital 3D reference atlas reveals cellular growth patterns shaping the Arabidopsis ovule. <i>ELife</i> , 2021, 10, .	6.0	49
6	Mass-spectrometry-based draft of the Arabidopsis proteome. <i>Nature</i> , 2020, 579, 409-414.	27.8	328
7	The Arabidopsis receptor kinase STRUBBELIG regulates the response to cellulose deficiency. <i>PLoS Genetics</i> , 2020, 16, e1008433.	3.5	33
8	Shaping the genome of plants. <i>ELife</i> , 2020, 9, .	6.0	8
9	Accurate and versatile 3D segmentation of plant tissues at cellular resolution. <i>ELife</i> , 2020, 9, .	6.0	155
10	Protocol for rapid clearing and staining of fixed Arabidopsis ovules for improved imaging by confocal laser scanning microscopy. <i>Plant Methods</i> , 2019, 15, 120.	4.3	29
11	Asymmetric Redundancy of <i>ZERZAUST</i> and <i>ZERZAUST HOMOLOG</i> in Different Accessions of <i>Arabidopsis thaliana</i> . <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2245-2252.	1.8	7
12	The Arabidopsis receptor kinase STRUBBELIG undergoes clathrin-dependent endocytosis. <i>Journal of Experimental Botany</i> , 2019, 70, 3881-3894.	4.8	20
13	The AGC protein kinase UNICORN controls planar growth by attenuating PDK1 in Arabidopsis thaliana. <i>PLoS Genetics</i> , 2019, 15, e1007927.	3.5	15
14	The role of KDEL-tailed cysteine endopeptidases of Arabidopsis (AtCEP2 and AtCEP1) in root development. <i>PLoS ONE</i> , 2018, 13, e0209407.	2.5	10
15	The Genetic Control of Ovule Development. , 2018, , .		6
16	The cell wall-localized atypical β -1,3 glucanase ZERZAUST controls tissue morphogenesis in <i>Arabidopsis thaliana</i> . <i>Development (Cambridge)</i> , 2017, 144, 2259-2269.	2.5	39
17	Pattern formation during early floral development. <i>Current Opinion in Genetics and Development</i> , 2015, 32, 16-23.	3.3	9
18	Microscopic Analysis of Arabidopsis Ovules. <i>Methods in Molecular Biology</i> , 2014, 1110, 253-261.	0.9	4

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19	The C2-domain protein QUIRKY and the receptor-like kinase STRUBBELIG localize to plasmodesmata and mediate tissue morphogenesis in <i>Arabidopsis thaliana</i> . <i>Development (Cambridge)</i> , 2014, 141, 4139-4148.	2.5	88
20	The Role of Auxin for Reproductive Organ Patterning and Development. , 2014, , 213-243.		3
21	Detection of mRNA Expression Patterns by Nonradioactive In Situ Hybridization on Histological Sections of Floral Tissue. <i>Methods in Molecular Biology</i> , 2014, 1110, 275-293.	0.9	30
22	On the genetic control of planar growth during tissue morphogenesis in plants. <i>Protoplasma</i> , 2013, 250, 651-661.	2.1	10
23	ANGUSTIFOLIA is a central component of tissue morphogenesis mediated by the atypical receptor-like kinase STRUBBELIG. <i>BMC Plant Biology</i> , 2013, 13, 16.	3.6	30
24	Genetic analysis of ectopic growth suppression during planar growth of integuments mediated by the <i>Arabidopsis</i> AGC protein kinase UNICORN. <i>BMC Plant Biology</i> , 2013, 13, 2.	3.6	16
25	Microscopic Analysis of Ovule Development in <i>Arabidopsis thaliana</i> . <i>Methods in Molecular Biology</i> , 2013, 959, 127-135.	0.9	3
26	Downregulation of the $\hat{\gamma}$ -Subunit Reduces Mitochondrial ATP Synthase Levels, Alters Respiration, and Restricts Growth and Gametophyte Development in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 2792-2811.	6.6	66
27	Regulation of planar growth by the <i>Arabidopsis</i> AGC protein kinase UNICORN. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15060-15065.	7.1	34
28	Structure-Function Analysis of STRUBBELIG, an <i>Arabidopsis</i> Atypical Receptor-Like Kinase Involved in Tissue Morphogenesis. <i>PLoS ONE</i> , 2011, 6, e19730.	2.5	45
29	Inter-cell-layer signalling during <i>Arabidopsis</i> ovule development mediated by the receptor-like kinase STRUBBELIG. <i>Biochemical Society Transactions</i> , 2010, 38, 583-587.	3.4	5
30	DETORQUEO, QUIRKY, and ZERZAUST Represent Novel Components Involved in Organ Development Mediated by the Receptor-Like Kinase STRUBBELIG in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2009, 5, e1000355.	3.5	78
31	The <i>Arabidopsis</i> receptor-like kinase STRUBBELIG mediates inter-cell-layer signaling during floral development. <i>Developmental Biology</i> , 2008, 323, 261-270.	2.0	37
32	Molecular characterisation of the STRUBBELIG-RECEPTOR FAMILY of genes encoding putative leucine-rich repeat receptor-like kinases in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2007, 7, 16.	3.6	64
33	STRUBBELIG defines a receptor kinase-mediated signaling pathway regulating organ development in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 9074-9079.	7.1	142
34	Organ Polarity in <i>Arabidopsis</i> . NOZZLE Physically Interacts with Members of the YABBY Family. <i>Plant Physiology</i> , 2004, 135, 2172-2185.	4.8	60
35	Pattern formation during early ovule development in <i>Arabidopsis thaliana</i> . <i>Developmental Biology</i> , 2004, 273, 321-334.	2.0	132
36	The <i>Arabidopsis</i> male-sterile mutant <i>dde2-2</i> is defective in the ALLENE OXIDE SYNTHASE gene encoding one of the key enzymes of the jasmonic acid biosynthesis pathway. <i>Planta</i> , 2002, 216, 187-192.	3.2	280

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37	<i>NOZZLE</i> links proximal-distal and adaxial-abaxial pattern formation during ovule development in <i>Arabidopsis thaliana</i> . <i>Development (Cambridge)</i> , 2002, 129, 4291-4300.	2.5	74
38	<i>NOZZLE</i> links proximal-distal and adaxial-abaxial pattern formation during ovule development in <i>Arabidopsis thaliana</i> . <i>Development (Cambridge)</i> , 2002, 129, 4291-300.	2.5	30
39	The <i>Arabidopsis</i> <i>HUELLENLOS</i> Gene, Which Is Essential for Normal Ovule Development, Encodes a Mitochondrial Ribosomal Protein. <i>Plant Cell</i> , 2001, 13, 2719.	6.6	0
40	The <i>Arabidopsis</i> <i>HUELLENLOS</i> Gene, Which Is Essential for Normal Ovule Development, Encodes a Mitochondrial Ribosomal Protein. <i>Plant Cell</i> , 2001, 13, 2719-2730.	6.6	53
41	The molecular and genetic control of ovule development. <i>Current Opinion in Plant Biology</i> , 1999, 2, 13-17.	7.1	65
42	Organogenesis in plants: the molecular and genetic control of ovule development. <i>Trends in Plant Science</i> , 1998, 3, 468-472.	8.8	29
43	The molecular and genetic basis of ovule and megagametophyte development. <i>Seminars in Cell and Developmental Biology</i> , 1998, 9, 227-238.	5.0	186
44	The <i>STUD</i> Gene Is Required for Male-Specific Cytokinesis after Telophase II of Meiosis in <i>Arabidopsis thaliana</i> . <i>Developmental Biology</i> , 1997, 187, 114-124.	2.0	116
45	Wild-type ovule development in <i>Arabidopsis thaliana</i> : a light microscope study of cleared whole-mount tissue. <i>Plant Journal</i> , 1995, 7, 731-749.	5.7	407