Thierry Gaude

List of Publications by Year
in descending order

39 papers	2,516 citations	236925 25 h-index	330143 37 g-index
46 all docs	46 docs citations	46 times ranked	2285 citing authors

#	Article	IF	Citations
1	The molecular signatures of compatible and incompatible pollination in Arabidopsis. BMC Genomics, 2021, 22, 268.	2.8	9
2	KATANIN and cortical microtubule organization have a pivotal role in early pollen tube guidance. Plant Signaling and Behavior, 2021, 16, 1921992.	2.4	1
3	Live-cell imaging of early events following pollen perception in self-incompatible Arabidopsis thaliana. Journal of Experimental Botany, 2020, 71, 2513-2526.	4.8	35
4	KATANIN-dependent mechanical properties of the stigmatic cell wall mediate the pollen tube path in Arabidopsis. ELife, 2020, 9, .	6.0	30
5	Combined Proteomic and Metabolomic Profiling of the Arabidopsis thaliana vps29 Mutant Reveals Pleiotropic Functions of the Retromer in Seed Development. International Journal of Molecular Sciences, 2019, 20, 362.	4.1	17
6	Peroxisome extensions deliver the Arabidopsis SDP1 lipase to oil bodies. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4158-4163.	7.1	139
7	Dominance hierarchy arising from the evolution of a complex small RNA regulatory network. Science, 2014, 346, 1200-1205.	12.6	61
8	Cellular Auxin Homeostasis under High Temperature Is Regulated through a SORTING NEXIN1â€“Dependent Endosomal Trafficking Pathway. Plant Cell, 2013, 25, 3424-3433.	6.6	89
9	Retromer association with membranes: Plants have their own rules!. Plant Signaling and Behavior, 2013, 8, e25312.	2.4	9
10	Mechanisms Governing the Endosomal Membrane Recruitment of the Core Retromer in Arabidopsis. Journal of Biological Chemistry, 2013, 288, 8815-8825.	3.4	57
11	The S-LOCUS CYSTEINE-RICH PROTEIN (SCR): A Small Peptide with A High Impact on the Evolution of Flowering Plants. Signaling and Communication in Plants, 2012, , 77-92.	0.7	1
12	The Plant SNX Family and Its Role in Endocytosis. , 2012, , 233-247.		2
13	Analyses of SORTING NEXINs Reveal Distinct Retromer-Subcomplex Functions in Development and Protein Sorting inArabidopsis thalianaÂ Â. Plant Cell, 2011, 22, 3980-3991.	6.6	90
14	Variability of the self-incompatibility reaction in Brassica oleracea L. with S 15 haplotype. Sexual Plant Reproduction, 2010, 23, 141-151.	2.2	16
15	When no means no: guide to Brassicaceae self-incompatibility. Trends in Plant Science, 2010, 15, 387-394.	8.8	50
16	Endocytosis and Endosomal Regulation of theS-Receptor Kinase during the Self-Incompatibility Response inBrassica oleraceaÂ. Plant Cell, 2009, 21, 2107-2117.	6.6	64
17	Brassica self-incompatibility. Plant Signaling and Behavior, 2009, 4, 996-998.	2.4	14
18	Evidence for a sorting endosome in Arabidopsis root cells. Plant Journal, 2008, 53, 237-247.	5.7	134

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19	Plant Cell Polarity: Sterols Enter into Action after Cytokinesis. Developmental Cell, 2008, 14, 318-320.	7.0	5
20	Sorting Out the Sorting Functions of Endosomes in Arabidopsis. Plant Signaling and Behavior, 2007, 2, 556-558.	2.4	12
21	The Retromer Protein VPS29 Links Cell Polarity and Organ Initiation in Plants. Cell, 2007, 130, 1057-1070.	28.9	214
22	Genetic transformation of Arabidopsis lyrata: specific expression of the green fluorescent protein (GFP) in pistil tissues. Plant Cell Reports, 2007, 26, 745-753.	5.6	19
23	AtSNX1 defines an endosome for auxin-carrier trafficking in Arabidopsis. Nature, 2006, 443, 106-109.	27.8	324
24	Balancing Selection in the Wild: Testing Population Genetics Theory of Self-Incompatibility in the Rare Species Brassica insularis. Genetics, 2005, 171, 279-289.	2.9	74
25	Molecular Evolution of the S Locus Controlling Mating in the Brassicaceae. Plant Biology, 2004, 6, 109-118.	3.8	27
26	Antisense suppression of thioredoxinhmRNA in Brassica napus cv.. Plant Molecular Biology, 2004, 55, 619-630.	3.9	59
27	Making inroads into plant receptor kinase signalling pathways. Trends in Plant Science, 2003, 8, 231-237.	8.8	77
28	Interaction of Calmodulin, a Sorting Nexin and Kinase-Associated Protein Phosphatase with the Brassica oleracea S Locus Receptor Kinase. Plant Physiology, 2003, 133, 919-929.	4.8	124
29	Receptor kinase signalling in plants and animals: distinct molecular systems with mechanistic similarities. Current Opinion in Cell Biology, 2002, 14, 230-236.	5.4	73
30	Self-incompatibility in flowering plants: The Brassica model. Comptes Rendus De L'AcadÃ©mie Des Sciences SÃ©rie 3, Sciences De La Vie, 2001, 324, 537-542.	0.8	6
31	The S-locus receptor kinase is inhibited by thioredoxins and activated by pollen coat proteins. Nature, 2001, 410, 220-223.	27.8	259
32	Intrahaplotype Polymorphism at the Brassica S Locus. Genetics, 2001, 159, 811-822.	2.9	34
33	Aquaporin PIP genes are not expressed in the stigma papillae in Brassica oleracea. Plant Journal, 2000, 24, 231-240.	5.7	30
34	The S15 Self-Incompatibility Haplotype in Brassica oleracea Includes Three S Gene Family Members Expressed in Stigmas. Plant Cell, 1999, 11, 971-986.	6.6	81
35	Membrane proteins involved in pollen-pistil interactions. Biochimie, 1999, 81, 675-680.	2.6	3
36	Characterization of the S locus genes, SLG and SRK, of the Brassica S3 haplotype: identification of a membrane-localized protein encoded by the S locus receptor kinase gene. Plant Journal, 1995, 7, 429-440.	5.7	131

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37	The S locus receptor kinase gene encodes a soluble glycoprotein corresponding to the SRK extracellular domain in Brassica oleracea. Plant Journal, 1995, 8, 827-834.	5.7	69
38	Expression level of the SLG gene is not correlated with the self-incompatibility phenotype in the class II S haplotypes of Brassica oleracea. Plant Molecular Biology, 1995, 27, 1003-1014.	3.9	46
39	Use of a fast protein electrophoretic purification procedure forN-terminal sequence analysis to identify S-locus related proteins in stigmas ofBrassica oleracea. Electrophoresis, 1991, 12, 646-653.	2.4	29