

# Thierry Gaude

## List of Publications by Year in descending order

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39  
papers

2,516  
citations

236925

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docs citations

46  
times ranked

2285  
citing authors

#	ARTICLE	IF	CITATIONS
1	AtSNX1 defines an endosome for auxin-carrier trafficking in Arabidopsis. <i>Nature</i> , 2006, 443, 106-109.	27.8	324
2	The S-locus receptor kinase is inhibited by thioredoxins and activated by pollen coat proteins. <i>Nature</i> , 2001, 410, 220-223.	27.8	259
3	The Retromer Protein VPS29 Links Cell Polarity and Organ Initiation in Plants. <i>Cell</i> , 2007, 130, 1057-1070.	28.9	214
4	Peroxisome extensions deliver the <i>Arabidopsis</i> SDP1 lipase to oil bodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4158-4163.	7.1	139
5	Evidence for a sorting endosome in <i>Arabidopsis</i> root cells. <i>Plant Journal</i> , 2008, 53, 237-247.	5.7	134
6	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. <i>Plant Journal</i> , 1995, 7, 429-440.	5.7	131
7	Interaction of Calmodulin, a Sorting Nexin and Kinase-Associated Protein Phosphatase with the Brassica oleracea S Locus Receptor Kinase. <i>Plant Physiology</i> , 2003, 133, 919-929.	4.8	124
8	Analyses of SORTING NEXINs Reveal Distinct Retromer-Subcomplex Functions in Development and Protein Sorting in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2011, 22, 3980-3991.	6.6	90
9	Cellular Auxin Homeostasis under High Temperature Is Regulated through a SORTING NEXIN-Dependent Endosomal Trafficking Pathway. <i>Plant Cell</i> , 2013, 25, 3424-3433.	6.6	89
10	The S15 Self-Incompatibility Haplotype in Brassica oleracea Includes Three S Gene Family Members Expressed in Stigmas. <i>Plant Cell</i> , 1999, 11, 971-986.	6.6	81
11	Making inroads into plant receptor kinase signalling pathways. <i>Trends in Plant Science</i> , 2003, 8, 231-237.	8.8	77
12	Balancing Selection in the Wild: Testing Population Genetics Theory of Self-Incompatibility in the Rare Species Brassica insularis. <i>Genetics</i> , 2005, 171, 279-289.	2.9	74
13	Receptor kinase signalling in plants and animals: distinct molecular systems with mechanistic similarities. <i>Current Opinion in Cell Biology</i> , 2002, 14, 230-236.	5.4	73
14	The S locus receptor kinase gene encodes a soluble glycoprotein corresponding to the SRK extracellular domain in Brassica oleracea. <i>Plant Journal</i> , 1995, 8, 827-834.	5.7	69
15	Endocytosis and Endosomal Regulation of the S-Receptor Kinase during the Self-Incompatibility Response in Brassica oleracea. <i>Plant Cell</i> , 2009, 21, 2107-2117.	6.6	64
16	Dominance hierarchy arising from the evolution of a complex small RNA regulatory network. <i>Science</i> , 2014, 346, 1200-1205.	12.6	61
17	Antisense suppression of thioredoxin mRNA in Brassica napus cv.. <i>Plant Molecular Biology</i> , 2004, 55, 619-630.	3.9	59
18	Mechanisms Governing the Endosomal Membrane Recruitment of the Core Retromer in Arabidopsis. <i>Journal of Biological Chemistry</i> , 2013, 288, 8815-8825.	3.4	57

#	ARTICLE	IF	CITATIONS
19	When no means no: guide to Brassicaceae self-incompatibility. Trends in Plant Science, 2010, 15, 387-394.	8.8	50
20	Expression level of the SLC 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
21	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
22	Intrahaplotype Polymorphism at the Brassica S Locus. Genetics, 2001, 159, 811-822.	2.9	34
23	Aquaporin PIP genes are not expressed in the stigma papillae in Brassica oleracea. Plant Journal, 2000, 24, 231-240.	5.7	30
24	KATANIN-dependent mechanical properties of the stigmatic cell wall mediate the pollen tube path in Arabidopsis. ELife, 2020, 9, .	6.0	30
25	Use of a fast protein electrophoretic purification procedure for N-terminal sequence analysis to identify S-locus related proteins in stigmas of Brassica oleracea. Electrophoresis, 1991, 12, 646-653.	2.4	29
26	Molecular Evolution of the S Locus Controlling Mating in the Brassicaceae. Plant Biology, 2004, 6, 109-118.	3.8	27
27	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
28	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
29	Variability of the self-incompatibility reaction in Brassica oleracea L. with S 15 haplotype. Sexual Plant Reproduction, 2010, 23, 141-151.	2.2	16
30	Brassica self-incompatibility. Plant Signaling and Behavior, 2009, 4, 996-998.	2.4	14
31	Sorting Out the Sorting Functions of Endosomes in Arabidopsis. Plant Signaling and Behavior, 2007, 2, 556-558.	2.4	12
32	Retromer association with membranes: Plants have their own rules!. Plant Signaling and Behavior, 2013, 8, e25312.	2.4	9
33	The molecular signatures of compatible and incompatible pollination in Arabidopsis. BMC Genomics, 2021, 22, 268.	2.8	9
34	Self-incompatibility in flowering plants: The Brassica model. Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie, 2001, 324, 537-542.	0.8	6
35	Plant Cell Polarity: Sterols Enter into Action after Cytokinesis. Developmental Cell, 2008, 14, 318-320.	7.0	5
36	Membrane proteins involved in pollen-pistil interactions. Biochimie, 1999, 81, 675-680.	2.6	3

#	ARTICLE	IF	CITATIONS
37	The Plant SNX Family and Its Role in Endocytosis. , 2012, , 233-247.		2
38	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
39	KATANIN and cortical microtubule organization have a pivotal role in early pollen tube guidance. Plant Signaling and Behavior, 2021, 16, 1921992.	2.4	1