Daphne R Goring

List of Publications by Year
in descending order

74	8,986	101543 36	95266 68
papers	citations	h-index	g-index

77	77	77	16080
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	ARC1 Is an E3 Ubiquitin Ligase and Promotes the Ubiquitination of Proteins during the Rejection of Self-Incompatible Brassica Pollen. Plant Cell, 2003, 15, 885-898.	6.6	329
3	Binding of an arm repeat protein to the kinase domain of the S-locus receptor kinase. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 382-387.	7.1	286
4	Cellular Pathways Regulating Responses to Compatible and Self-Incompatible Pollen in<i>Brassica</i>and<i>Arabidopsis</i>Stigmas Intersect at Exo70A1, a Putative Component of the Exocyst Complex. Plant Cell, 2009, 21, 2655-2671.	6.6	259
5	The diversity of plant U-box E3 ubiquitin ligases: from upstream activators to downstream target substrates. Journal of Experimental Botany, 2009, 60, 1109-1121.	4.8	253
6	A Breakdown of Brassica Self-Incompatibility in ARC1 Antisense Transgenic Plants. Science, 1999, 286, 1729-1731.	12.6	230
7	A Large Complement of the Predicted Arabidopsis ARM Repeat Proteins Are Members of the U-Box E3 Ubiquitin Ligase Family. Plant Physiology, 2004, 134, 59-66.	4.8	192
8	Sentinels at the wall: cell wall receptors and sensors. New Phytologist, 2007, 176, 7-21.	7.3	189
9	In situ detection of beta-galactosidase in lenses of transgenic mice with a gamma-crystallin/lacZ gene. Science, 1987, 235, 456-458.	12.6	144
10	Interactions between the<i>S</i>-Domain Receptor Kinases and AtPUB-ARM E3 Ubiquitin Ligases Suggest a Conserved Signaling Pathway in Arabidopsis Â Â. Plant Physiology, 2008, 147, 2084-2095.	4.8	136
11	Pollen-pistil interactions regulating successful fertilization in the Brassicaceae. Journal of Experimental Botany, 2010, 61, 1987-1999.	4.8	116
12	The proline-rich, extensin-like receptor kinase-1 (PERK1) gene is rapidly induced by wounding. Plant Molecular Biology, 2002, 50, 667-685.	3.9	107
13	Self/nonself perception and recognition mechanisms in plants: a comparison of selfâ€incompatibility and innate immunity. New Phytologist, 2008, 178, 503-514.	7.3	101
14	The <i>ARC1</i> E3 Ligase Gene Is Frequently Deleted in Self-Compatible Brassicaceae Species and Has a Conserved Role in <i>Arabidopsis lyrata</i> Self-Pollen Rejection. Plant Cell, 2012, 24, 4607-4620.	6.6	94
15	Pollen Acceptance or Rejection: A Tale of Two Pathways. Trends in Plant Science, 2016, 21, 1058-1067.	8.8	90
16	Secretory Activity Is Rapidly Induced in Stigmatic Papillae by Compatible Pollen, but Inhibited for Self-Incompatible Pollen in the Brassicaceae. PLoS ONE, 2013, 8, e84286.	2.5	84
17	Further analysis of the interactions between the Brassica S receptor kinase and three interacting proteins (ARC1, THL1 and THL2) in the yeast two-hybrid system. Plant Molecular Biology, 2001, 45, 365-376.	3.9	81
18	Transformation of a partial nopaline synthase gene into tobacco suppresses the expression of a resident wild-type gene.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 1770-1774.	7.1	78

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19	Characterization of the <i>Arabidopsis thaliana</i> exocyst complex gene families by phylogenetic, expression profiling, and subcellular localization studies. New Phytologist, 2010, 185, 401-419.	7.3	77
20	Two Members of the Thioredoxin-h Family Interacts with the Kinase Domain of a Brassica S Locus Receptor Kinase. Plant Cell, 1996, 8, 1641.	6.6	68
21	The ARC1 E3 Ligase Promotes Two Different Self-Pollen Avoidance Traits in<i>Arabidopsis</i>Â Â. Plant Cell, 2014, 26, 1525-1543.	6.6	64
22	A Comprehensive Expression Analysis of the Arabidopsis Proline-rich Extensin-like Receptor Kinase Gene Family using Bioinformatic and Experimental Approaches. Plant and Cell Physiology, 2004, 45, 1875-1881.	3.1	63
23	The Self-Incompatibility Phenotype in Brassica Is Altered by the Transformation of a Mutant S Locus Receptor Kinase. Plant Cell, 1998, 10, 209-218.	6.6	60
24	Antisense suppression of thioredoxinhmRNA in Brassica napus cv.. Plant Molecular Biology, 2004, 55, 619-630.	3.9	59
25	Multifunctional Arm Repeat Domains in Plants. International Review of Cytology, 2006, 253, 1-26.	6.2	58
26	Proteomic Analysis of Brassica Stigmatic Proteins Following the Self-incompatibility Reaction Reveals a Role for Microtubule Dynamics During Pollen Responses. Molecular and Cellular Proteomics, 2011, 10, M111.011338.	3.8	56
27	Receptor kinase signalling in plants. Canadian Journal of Botany, 2004, 82, 1-15.	1.1	52
28	RNA silencing of exocyst genes in the stigma impairs the acceptance of compatible pollen in Arabidopsis. Plant Physiology, 2015, 169, pp.00635.2015.	4.8	52
29	The Molecular and Cellular Regulation of Brassicaceae Self-Incompatibility and Self-Pollen Rejection. International Review of Cell and Molecular Biology, 2019, 343, 1-35.	3.2	52
30	Use of the polymerase chain reaction to isolate an S-locus glycoprotein cDNA introgressed from Brassica campestris into B. napus ssp. oleifera. Molecular Genetics and Genomics, 1992, 234, 185-192.	2.4	51
31	Temporal regulation of six crystallin transcripts during mouse lens development. Experimental Eye Research, 1992, 54, 785-795.	2.6	45
32	Altered Germination and Subcellular Localization Patterns for PUB44/SAUL1 in Response to Stress and Phytohormone Treatments. PLoS ONE, 2011, 6, e21321.	2.5	43
33	PERKâ€"KIPKâ€"KCBP signalling negatively regulates root growth in Arabidopsis thaliana. Journal of Experimental Botany, 2015, 66, 71-83.	4.8	42
34	An S Receptor Kinase Gene in Self-Compatible Brassica napus Has a 1-bp Deletion. Plant Cell, 1993, 5, 531.	6.6	41
35	Developmental regulation and cell type-specific expression of the murine Î³F-crystallin gene is mediated through a lens-specific element containing the Î³F-1 binding site. Developmental Dynamics, 1993, 196, 143-152.	1.8	40
36	PLANT SCIENCES: Self-Rejection--a New Kinase Connection. Science, 2004, 303, 1474-1475.	12.6	40

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37	The molecular biology of self-incompatibility systems in flowering plants. Plant Cell, Tissue and Organ Culture, 2001, 67, 93-114.	2.3	35
38	High humidity partially rescues the Arabidopsis thaliana exo70A1 stigmatic defect for accepting compatible pollen. Plant Reproduction, 2014, 27, 121-127.	2.2	33
39	Identification of an S-locus glycoprotein allele introgressed from B. napus ssp. rapifera to B. napus ssp. oleifera.. Plant Journal, 1992, 2, 983-989.	5.7	32
40	Exocyst, exosomes, and autophagy in the regulation of Brassicaceae pollen-stigma interactions. Journal of Experimental Botany, 2018, 69, 69-78.	4.8	31
41	Altered Expression of PERK Receptor Kinases inArabidopsisLeads to Changes in Growth and Floral Organ Formation. Plant Signaling and Behavior, 2006, 1, 251-260.	2.4	29
42	A conserved role for the ARC1 E3 ligase in Brassicaceae self-incompatibility. Frontiers in Plant Science, 2014, 5, 181.	3.6	29
43	Interrelationships between Cytoplasmic Ca2+ Peaks, Pollen Hydration and Plasma Membrane Conductances during Compatible and Incompatible Pollinations of Brassica napus Papillae. Plant and Cell Physiology, 1997, 38, 985-999.	3.1	28
44	Cellâ€"cell signaling during the Brassicaceae self-incompatibility response. Trends in Plant Science, 2022, 27, 472-487.	8.8	26
45	Features of the extracellular domain of the S-locus receptor kinase from Brassica. Molecular Genetics and Genomics, 1994, 244, 630-637.	2.4	25
46	The ARC1 E3 Ligase Promotes a Strong and Stable Self-Incompatibility Response in <i>Arabidopsis</i> Species: Response to the Nasrallah and Nasrallah Commentary. Plant Cell, 2014, 26, 3842-3846.	6.6	25
47	Transformation of Arabidopsis with a Brassica SLG/SRK region and ARC1 gene is not sufficient to transfer the self-incompatibility phenotype. Molecular Genetics and Genomics, 2000, 263, 648-654.	2.4	24
48	Protein and membrane trafficking routes in plants: conventional or unconventional?. Journal of Experimental Botany, 2018, 69, 1-5.	4.8	22
49	Identification of a role for an E6-like 1 gene in early pollenâ€"stigma interactions in Arabidopsis thaliana. Plant Reproduction, 2019, 32, 307-322.	2.2	22
50	Generation of Transgenic Self-Incompatible Arabidopsis thaliana Shows a Genus-Specific Preference for Self-Incompatibility Genes. Plants, 2019, 8, 570.	3.5	19
51	Two subgroups of receptor-like kinases promote early compatible pollen responses in the <i>Arabidopsis thaliana</i> pistil. Journal of Experimental Botany, 2021, 72, 1198-1211.	4.8	19
52	Loss of callose in the stigma papillae does not affect the Brassica self-incompatibility phenotype. Planta, 1997, 203, 327-331.	3.2	18
53	Neither compatible nor selfâ€incompatible pollinations of Brassica napus involve reorganization of the papillar cytoskeleton. New Phytologist, 1999, 141, 199-207.	7.3	16
54	Misregulation of phosphoinositides in Arabidopsis thaliana decreases pollen hydration and maternal fertility. Sexual Plant Reproduction, 2011, 24, 319-326.	2.2	15

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55	Yeast two-hybrid interactions between <i>Arabidopsis lyrata S</i> Receptor Kinase and the ARC1 E3 ligase. Plant Signaling and Behavior, 2016, 11, e1188233.	2.4	14
56	Investigations into a putative role for the novel BRASSIKIN pseudokinases in compatible pollen-stigma interactions in Arabidopsis thaliana. BMC Plant Biology, 2019, 19, 549.	3.6	12
57	Autophagy is required for self-incompatible pollen rejection in two transgenic <i>Arabidopsis thaliana</i> accessions. Plant Physiology, 2022, 188, 2073-2084.	4.8	12
58	The Search for Components of the Self-incompatibility Signalling Pathway(s) in Brassica napus. Annals of Botany, 2000, 85, 171-179.	2.9	10
59	A Toolkit for Teasing Apart the Early Stages of Pollenâ€“Stigma Interactions in Arabidopsis thaliana. Methods in Molecular Biology, 2020, 2160, 13-28.	0.9	9
60	Analysis of spontaneous mutations in a chromosomally located hsv-1 thymidine kinase (TK) gene in a human cell line. Somatic Cell and Molecular Genetics, 1987, 13, 47-56.	0.7	7
61	S-Locus Receptor Kinase Genes and Self-incompatibility in Brassica napus. Plant Gene Research, 1996, , 217-230.	0.4	7
62	A cytotoxic effect associated with 9-(1,3-dihydroxy-2-propoxymethyl)-guanine is observed during the selection for drug resistant human cells containing a single herpesvirus thymidine kinase gene. Biochemical and Biophysical Research Communications, 1985, 133, 195-201.	2.1	6
63	How plants avoid incest. Nature, 2010, 466, 926-927.	27.8	6
64	Characterization of a novel Brassica napus kinase, BNK1. Plant Science, 2001, 160, 611-620.	3.6	5
65	The Self-Incompatibility Phenotype in Brassica Is Altered by the Transformation of a Mutant S Locus Receptor Kinase. Plant Cell, 1998, 10, 209.	6.6	4
66	Autophagy in the rejection of self-pollen in the mustard family. Autophagy, 2014, 10, 2379-2380.	9.1	3
67	Reversible ubiquitylation in plant biology. Frontiers in Plant Science, 2014, 5, 707.	3.6	2
68	Dominance modifier: Expanding mate options. Nature Plants, 2017, 3, 16210.	9.3	2
69	Signaling Events in Pollen Acceptance or Rejection in the Arabidopsis Species. , 2014, , 255-271.		2
70	Pollen Gets More Complex. Science, 2010, 330, 767-768.	12.6	1
71	The role of autophagy in the <i>Arabidopsis</i> self-incompatible pollen rejection response. , 2022, 1, 183-186.		1
72	Molecular Characterization of the S Locus in Two Self-Incompatible Brassica napus Lines. Plant Cell, 1996, 8, 2369.	6.6	0

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73	The Regulation of Pollenâ€“Pistil Interactions by Receptor-Like Kinases. Signaling and Communication in Plants, 2012, , 125-143.	0.7	0
74	Following the Time-Course of Post-pollination Events by Transmission Electron Microscopy (TEM): Buildup of Exosome-Like Structures with Compatible Pollinations. Methods in Molecular Biology, 2016, 1459, 91-101.	0.9	0