

June B Nasrallah

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

4,367
citations

39
h-index

66
g-index

82
ext. papers

4,880
ext. citations

10
avg, IF

5.41
L-index

#	Paper	IF	Citations
65	The male determinant of self-incompatibility in Brassica. <i>Science</i> , 1999 , 286, 1697-700	33.3	617
64	Allele-specific receptor-ligand interactions in Brassica self-incompatibility. <i>Science</i> , 2001 , 293, 1824-6	33.3	250
63	Self-Incompatibility in the Genus Arabidopsis: Characterization of the S Locus in the Outcrossing <i>A. lyrata</i> and Its Autogamous Relative <i>A. thaliana</i> . <i>Plant Cell</i> , 2001 , 13, 627-643	11.6	230
62	Generation of self-incompatible Arabidopsis thaliana by transfer of two S locus genes from <i>A. lyrata</i> . <i>Science</i> , 2002 , 297, 247-9	33.3	170
61	Genetic evidence for the requirement of the Brassica S-locus receptor kinase gene in the self-incompatibility response. <i>Plant Journal</i> , 1994 , 5, 373-384	6.9	145
60	The evolution of selfing in Arabidopsis thaliana. <i>Science</i> , 2007 , 317, 1070-2	33.3	132
59	Comparative genome analyses of Arabidopsis spp.: inferring chromosomal rearrangement events in the evolutionary history of <i>A. thaliana</i> . <i>Genome Research</i> , 2005 , 15, 505-15	9.7	132
58	A genetically defined trans-acting locus regulates S-locus function in Brassica. <i>Plant Journal</i> , 1992 , 2, 497-506	6.9	113
57	Specificity determinants and diversification of the Brassica self-incompatibility pollen ligand. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 911-7	11.5	109
56	An aquaporin-like gene required for the Brassica self-incompatibility response. <i>Science</i> , 1997 , 276, 1564-6	33.3	106
55	Genome-wide identification of genes expressed in Arabidopsis pistils specifically along the path of pollen tube growth. <i>Plant Physiology</i> , 2005 , 138, 977-89	6.6	103
54	Recognition and rejection of self in plant reproduction. <i>Science</i> , 2002 , 296, 305-8	33.3	97
53	Comparative mapping of the Brassica S locus region and its homeolog in Arabidopsis. Implications for the evolution of mating systems in the Brassicaceae. <i>Plant Cell</i> , 1998 , 10, 801-12	11.6	96
52	Determining the physical limits of the Brassica S locus by recombinational analysis. <i>Plant Cell</i> , 2000 , 12, 23-33	11.6	95
51	A cryptic modifier causing transient self-incompatibility in Arabidopsis thaliana. <i>Current Biology</i> , 2007 , 17, 734-40	6.3	92
50	S locus genes and the evolution of self-fertility in Arabidopsis thaliana. <i>Plant Cell</i> , 2007 , 19, 94-106	11.6	85
49	Cell-cell signaling in the self-incompatibility response. <i>Current Opinion in Plant Biology</i> , 2000 , 3, 368-73	9.9	85

48	Physical linkage of the SLG and SRK genes at the self-incompatibility locus of Brassica oleracea. <i>Molecular Genetics and Genomics</i> , 1993 , 236, 369-73		84
47	Self-incompatibility in the Brassicaceae: receptor-ligand signaling and cell-to-cell communication. <i>Plant Cell</i> , 2002 , 14 Suppl, S227-38	11.6	78
46	Structural modules for receptor dimerization in the S-locus receptor kinase extracellular domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 12211-6	11.5	76
45	Transgene-induced silencing of S-locus genes and related genes in Brassica. <i>Plant Journal</i> , 1997 , 11, 809-823	6.3	74
44	An Arabidopsis thaliana Gene with Sequence Similarity to the S-Locus Receptor Kinase of Brassica oleracea: Sequence and Expression. <i>Plant Physiology</i> , 1992 , 99, 284-90	6.6	72
43	Independent S-locus mutations caused self-fertility in Arabidopsis thaliana. <i>PLoS Genetics</i> , 2009 , 5, e1000426	6.4	69
42	Immunodetection of protein glycoforms encoded by two independent genes of the self-incompatibility multigene family of brassica. <i>Plant Physiology</i> , 1990 , 93, 739-47	6.6	68
41	Detecting site-specific physicochemical selective pressures: applications to the Class I HLA of the human major histocompatibility complex and the SRK of the plant sporophytic self-incompatibility system. <i>Journal of Molecular Evolution</i> , 2005 , 60, 315-26	3.1	67
40	Post-transcriptional maturation of the S receptor kinase of Brassica correlates with co-expression of the S-locus glycoprotein in the stigmas of two Brassica strains and in transgenic tobacco plants. <i>Plant Physiology</i> , 2000 , 124, 297-311	6.6	64
39	A new class of S sequences defined by a pollen recessive self-incompatibility allele of Brassica oleracea. <i>Molecular Genetics and Genomics</i> , 1990 , 222, 241-8		63
38	Epigenetic mechanisms for breakdown of self-incompatibility in interspecific hybrids. <i>Genetics</i> , 2007 , 175, 1965-73	4	62
37	Recognition and rejection of self in plant self-incompatibility: comparisons to animal histocompatibility. <i>Trends in Immunology</i> , 2005 , 26, 412-8	14.4	61
36	Arabidopsis species hybrids in the study of species differences and evolution of amphiploidy in plants. <i>Plant Physiology</i> , 2000 , 124, 1605-14	6.6	61
35	Complex networks of self-incompatibility signaling in the Brassicaceae. <i>Current Opinion in Plant Biology</i> , 2010 , 13, 520-6	9.9	55
34	Self-incompatibility systems: barriers to self-fertilization in flowering plants. <i>International Journal of Developmental Biology</i> , 2008 , 52, 627-36	1.9	53
33	Self-incompatibility in Brassicaceae crops: lessons for interspecific incompatibility. <i>Breeding Science</i> , 2014 , 64, 23-37	2	50
32	Monoallelic Expression and Dominance Interactions in Anthers of Self-Incompatible Arabidopsis lyrata □ <i>Plant Physiology</i> , 2002 , 128, 17-20	6.6	50
31	Functional test of Brassica self-incompatibility modifiers in Arabidopsis thaliana. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 18173-8	11.5	45

30	The brassica MIP-MOD gene encodes a functional water channel that is expressed in the stigma epidermis. <i>Plant Molecular Biology</i> , 2001 , 45, 51-62	4.6	44
29	A dual role for the S-locus receptor kinase in self-incompatibility and pistil development revealed by an Arabidopsis <i>rdr6</i> mutation. <i>Plant Cell</i> , 2009 , 21, 2642-54	11.6	42
28	Self-incompatibility. Prospects for a novel putative peptide-signaling molecule. <i>Plant Physiology</i> , 2000 , 124, 935-40	6.6	40
27	Expression of distinct self-incompatibility specificities in Arabidopsis thaliana. <i>Genetics</i> , 2009 , 182, 1313-21	7.1	39
26	In vivo detection of residues required for ligand-selective activation of the S-locus receptor in Arabidopsis. <i>Current Biology</i> , 2009 , 19, 786-91	6.3	35
25	Recognizing self in the self-incompatibility response. <i>Plant Physiology</i> , 2001 , 125, 105-8	6.6	34
24	A transgenic self-incompatible Arabidopsis thaliana model for evolutionary and mechanistic studies of crucifer self-incompatibility. <i>Journal of Experimental Botany</i> , 2010 , 61, 1897-906	7	32
23	Structural basis for specific self-incompatibility response in Brassica. <i>Cell Research</i> , 2016 , 26, 1320-1329	24.7	31
22	Structure and expression of AtS1, an Arabidopsis thaliana gene homologous to the S-locus related genes of Brassica. <i>Molecular Genetics and Genomics</i> , 1992 , 231, 442-8		31
21	Non-cell-autonomous regulation of crucifer self-incompatibility by Auxin Response Factor ARF3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 19468-73	11.5	26
20	Molecular cloning and mRNA localization of tomato pollen profilin. <i>Plant Molecular Biology</i> , 1998 , 36, 699-707	4.6	26
19	S-locus receptor kinase signalling. <i>Biochemical Society Transactions</i> , 2014 , 42, 313-9	5.1	23
18	Site-specific N-glycosylation of the S-locus receptor kinase and its role in the self-incompatibility response of the brassicaceae. <i>Plant Cell</i> , 2014 , 26, 4749-62	11.6	22
17	Robust self-incompatibility in the absence of a functional ARC1 gene in Arabidopsis thaliana. <i>Plant Cell</i> , 2014 , 26, 3838-41	11.6	20
16	Plant mating systems: self-incompatibility and evolutionary transitions to self-fertility in the mustard family. <i>Current Opinion in Genetics and Development</i> , 2017 , 47, 54-60	4.9	18
15	Molecular characterization and evolution of self-incompatibility genes in Arabidopsis thaliana: the case of the Sc haplotype. <i>Genetics</i> , 2013 , 193, 985-94	4	16
14	Monoallelic expression and dominance interactions in anthers of self-incompatible Arabidopsis lyrata. <i>Plant Physiology</i> , 2002 , 128, 17-20	6.6	16
13	Self-incompatibility in the Brassicaceae: Regulation and mechanism of self-recognition. <i>Current Topics in Developmental Biology</i> , 2019 , 131, 435-452	5.3	14

12	In planta assessment of the role of thioredoxin h proteins in the regulation of S-locus receptor kinase signaling in transgenic Arabidopsis. <i>Plant Physiology</i> , 2013 , 163, 1387-95	6.6	10
11	Ligand-Mediated cis-Inhibition of Receptor Signaling in the Self-Incompatibility Response of the Brassicaceae. <i>Plant Physiology</i> , 2015 , 169, 1141-54	6.6	7
10	Exploring the role of a stigma-expressed plant U-box gene in the pollination responses of transgenic self-incompatible Arabidopsis thaliana. <i>Plant Reproduction</i> , 2014 , 27, 59-68	3.9	7
9	In vivo imaging of the S-locus receptor kinase, the female specificity determinant of self-incompatibility, in transgenic self-incompatible Arabidopsis thaliana. <i>Annals of Botany</i> , 2015 , 115, 789-805	4.1	6
8	Activation of Self-Incompatibility Signaling in Transgenic Is Independent of AP2-Based Clathrin-Mediated Endocytosis. <i>G3: Genes, Genomes, Genetics</i> , 2018 , 8, 2231-2239	3.2	4
7	Evolution of interspecies unilateral incompatibility in the relatives of Arabidopsis thaliana. <i>Molecular Ecology</i> , 2018 , 27, 2742-2753	5.7	4
6	Regulation of the S-locus receptor kinase and self-incompatibility in Arabidopsis thaliana. <i>G3: Genes, Genomes, Genetics</i> , 2013 , 3, 315-22	3.2	3
5	Self-Incompatibility in the Genus Arabidopsis: Characterization of the S Locus in the Outcrossing A. lyrata and Its Autogamous Relative A. thaliana. <i>Plant Cell</i> , 2001 , 13, 627	11.6	3
4	SCR 2013 , 58-66		2
3	Self-Incompatibility in the Brassicaceae 2011 , 389-411		2
2	The S-Locus Cysteine-Rich Peptide SCR/SP11 2006 , 41-47		1
1	The Brassica S gene family: Molecular characterization of the SLR2 gene. <i>Sexual Plant Reproduction</i> , 1996 , 9, 107-116		