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List of Publications by Year in descending order

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38 papers	5,435 citations	218677 26 h-index	330143 37 g-index
41 all docs	41 docs citations	41 times ranked	3285 citing authors

#	Article	IF	Citations
1	Plant recognition of symbiotic bacteria requires two LysM receptor-like kinases. Nature, 2003, 425, 585-592.	27.8	1,092
2	A receptor kinase gene of the LysM type is involved in legumeperception of rhizobial signals. Nature, 2003, 425, 637-640.	27.8	896
3	A Gain-of-Function Mutation in a Cytokinin Receptor Triggers Spontaneous Root Nodule Organogenesis. Science, 2007, 315, 104-107.	12.6	502
4	From The Cover: A nucleoporin is required for induction of Ca2+ spiking in legume nodule development and essential for rhizobial and fungal symbiosis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 359-364.	7.1	361
5	LysM domains mediate lipochitinâ€“oligosaccharide recognition and Nfr genes extend the symbiotic host range. EMBO Journal, 2007, 26, 3923-3935.	7.8	346
6	Root nodule symbiosis in Lotus japonicus drives the establishment of distinctive rhizosphere, root, and nodule bacterial communities. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7996-E8005.	7.1	258
7	Autophosphorylation is essential for the inâ€ƒvivo function of the Lotus japonicus Nod factor receptorâ€ƒ1 and receptorâ€mediated signalling in cooperation with Nod factor receptorâ€ƒ5. Plant Journal, 2011, 65, 404-417.	5.7	165
8	Rearrangement of Actin Cytoskeleton Mediates Invasion ofLotus japonicusRoots byMesorhizobium lotiÂ Â. Plant Cell, 2009, 21, 267-284.	6.6	149
9	Differential regulation of the Epr3 receptor coordinates membrane-restricted rhizobial colonization of root nodule primordia. Nature Communications, 2017, 8, 14534.	12.8	149
10	Receptor-mediated chitin perception in legume roots is functionally separable from Nod factor perception. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8118-E8127.	7.1	143
11	A combination of chitooligosaccharide and lipochitooligosaccharide recognition promotes arbuscular mycorrhizal associations in Medicago truncatula. Nature Communications, 2019, 10, 5047.	12.8	129
12	Evolution and Regulation of the Lotus japonicus LysM Receptor Gene Family. Molecular Plant-Microbe Interactions, 2010, 23, 510-521.	2.6	117
13	The Pea Sym37 Receptor Kinase Gene Controls Infection-Thread Initiation and Nodule Development. Molecular Plant-Microbe Interactions, 2008, 21, 1600-1608.	2.6	102
14	A Legume Genetic Framework Controls Infection of Nodules by Symbiotic and Endophytic Bacteria. PLoS Genetics, 2015, 11, e1005280.	3.5	97
15	Genetics of Symbiosis in Lotus japonicus: Recombinant Inbred Lines, Comparative Genetic Maps, and Map Position of 35 Symbiotic Loci. Molecular Plant-Microbe Interactions, 2006, 19, 80-91.	2.6	94
16	Host preference and invasiveness of commensal bacteria in the Lotus and Arabidopsis root microbiota. Nature Microbiology, 2021, 6, 1150-1162.	13.3	89
17	Ligand-recognizing motifs in plant LysM receptors are major determinants of specificity. Science, 2020, 369, 663-670.	12.6	87
18	Legume LysM receptors mediate symbiotic and pathogenic signalling. Current Opinion in Plant Biology, 2017, 39, 152-158.	7.1	64

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19	Nodulation Gene Mutants of Mesorhizobium loti R7Aâ€"nodZ and nolL Mutants Have Host-Specific Phenotypes on Lotus spp.. Molecular Plant-Microbe Interactions, 2009, 22, 1546-1554.	2.6	62
20	Improved Characterization of Nod Factors and Genetically Based Variation in LysM Receptor Domains Identify Amino Acids Expendable for Nod Factor Recognition in Lotus spp.. Molecular Plant-Microbe Interactions, 2010, 23, 58-66.	2.6	62
21	LORE1, an active low-copy-number TY3-gypsy retrotransposon family in the model legume Lotus japonicus. Plant Journal, 2005, 44, 372-381.	5.7	56
22	Epidermal LysM receptor ensures robust symbiotic signalling in Lotus japonicus. ELife, 2018, 7, .	6.0	51
23	Regulation of Nod factor biosynthesis by alternative NodD proteins at distinct stages of symbiosis provides additional compatibility scrutiny. Environmental Microbiology, 2018, 20, 97-110.	3.8	50
24	Lotus japonicus Symbiosis Genes Impact Microbial Interactions between Symbionts and Multikingdom Commensal Communities. MBio, 2019, 10, .	4.1	41
25	Microbial associations enabling nitrogen acquisition in plants. Current Opinion in Microbiology, 2019, 49, 83-89.	5.1	34
26	A plant chitinase controls cortical infection thread progression and nitrogen-fixing symbiosis. ELife, 2018, 7, .	6.0	32
27	A Lotus japonicus cytoplasmic kinase connects Nod factor perception by the NFR5 LysM receptor to nodulation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14339-14348.	7.1	28
28	Characterizing standard genetic parts and establishing common principles for engineering legume and cereal roots. Plant Biotechnology Journal, 2019, 17, 2234-2245.	8.3	28
29	LYS12 LysM receptor deceleratesPhytophthora palmivoradisease progression inLotus japonicus. Plant Journal, 2018, 93, 297-310.	5.7	26
30	Nâ€glycan maturation mutants in Lotus japonicus for basic and applied glycoprotein research. Plant Journal, 2017, 91, 394-407.	5.7	25
31	Kinetic proofreading of lipochitooligosaccharides determines signal activation of symbiotic plant receptors. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	23
32	Dissection of Ramularia Leaf Spot Disease by Integrated Analysis of Barley and Ramularia collo-cygni Transcriptome Responses. Molecular Plant-Microbe Interactions, 2019, 32, 176-193.	2.6	21
33	Understanding Nod factor signalling paves the way for targeted engineering in legumes and non-legumes. Current Opinion in Plant Biology, 2021, 62, 102026.	7.1	15
34	Expression of major photosynthetic and saltâ€resistance genes in invasive reed lineages grown under elevated <scp>CO</scp>₂ and temperature. Ecology and Evolution, 2014, 4, 4161-4172.	1.9	10
35	A Lotus japonicus E3 ligase interacts with the Nod Factor Receptor 5 and positively regulates nodulation. BMC Plant Biology, 2018, 18, 217.	3.6	9
36	Agrobacterium rhizogenes pRi TL-DNA integration system: a gene vector for Lotus japonicus transformation. , 2005, , 285-287.		8

#	Article	IF	Citations
37	The Lotus japonicus NPF3.1 Is a Nodule-Induced Gene That Plays a Positive Role in Nodule Functioning. Frontiers in Plant Science, 2021, 12, 688187.	3.6	5
38	Deciphering Molecular Host-Pathogen Interactions During Ramularia Collo-Cygni Infection on Barley. Frontiers in Plant Science, 2021, 12, 747661.	3.6	4