Jens Stougaard

List of Publications by Year
in descending order

164 papers	17,537 citations	14655 66 h-index	14759 127 g-index
178 all docs	178 docs citations	178 times ranked	9036 citing authors

#	Article	IF	Citations
1	Lotus japonicus. Current Biology, 2022, 32, R149-R150.	3.9	1
2	<i>Lotus japonicus Nuclear Factor YA1</i>, a nodule emergence stageâ€specific regulator of auxin signalling. New Phytologist, 2021, 229, 1535-1552.	7.3	39
3	Natural variation identifies a <i>Pxy</i> gene controlling vascular organisation and formation of nodules and lateral roots in <i>Lotus japonicus</i>. New Phytologist, 2021, 230, 2459-2473.	7.3	7
4	VC1 catalyses a key step in the biosynthesis of vicine in faba bean. Nature Plants, 2021, 7, 923-931.	9.3	34
5	Three classes of hemoglobins are required for optimal vegetative and reproductive growth of <i>Lotus japonicus</i>: genetic and biochemical characterization of LjGlb2-1. Journal of Experimental Botany, 2021, 72, 7778-7791.	4.8	4
6	The Lotus japonicus AFB6 Gene Is Involved in the Auxin Dependent Root Developmental Program. International Journal of Molecular Sciences, 2021, 22, 8495.	4.1	2
7	Distinct signaling routes mediate intercellular and intracellular rhizobial infection in<i>Lotus japonicus</i>. Plant Physiology, 2021, 185, 1131-1147.	4.8	26
8	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
9	Nitrate restricts nodule organogenesis through inhibition of cytokinin biosynthesis in Lotus japonicus. Nature Communications, 2021, 12, 6544.	12.8	28
10	Altered Plant and Nodule Development and Protein S-Nitrosylation in Lotus japonicus Mutants Deficient in S-Nitrosoglutathione Reductases. Plant and Cell Physiology, 2020, 61, 105-117.	3.1	25
11	Evaluation of yield, yield stability, and yieldâ€“protein relationship in 17 commercial faba bean cultivars. , 2020, 2, e39.		22
12	Report of false positives when using zymography to assess peptidoglycan hydrolytic activity of an endopeptidase with multiple LysM domains. Biochimie, 2020, 177, 25-29.	2.6	4
13	Insights into the evolution of symbiosis gene copy number and distribution from a chromosome-scale<i>Lotus japonicus</i>Gifu genome sequence. DNA Research, 2020, 27, .	3.4	35
14	Structural signatures in EPR3 define a unique class of plant carbohydrate receptors. Nature Communications, 2020, 11, 3797.	12.8	31
15	Ligand-recognizing motifs in plant LysM receptors are major determinants of specificity. Science, 2020, 369, 663-670.	12.6	87
16	Extreme genetic signatures of local adaptation during Lotus japonicus colonization of Japan. Nature Communications, 2020, 11, 253.	12.8	30
17	A Toolkit for High Resolution Imaging of Cell Division and Phytohormone Signaling in Legume Roots and Root Nodules. Frontiers in Plant Science, 2019, 10, 1000.	3.6	17
18	Eliminating vicine and convicine, the main anti-nutritional factors restricting faba bean usage. Trends in Food Science and Technology, 2019, 91, 549-556.	15.1	84

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19	A combination of chitooligosaccharide and lipochitooligosaccharide recognition promotes arbuscular mycorrhizal associations in Medicago truncatula. Nature Communications, 2019, 10, 5047.	12.8	129
20	Atypical Receptor Kinase RINRK1 Required for Rhizobial Infection But Not Nodule Development in <i>Lotus japonicus</i>. Plant Physiology, 2019, 181, 804-816.	4.8	28
21	A <i>Lotus japonicus</i> 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
22	Characterizing standard genetic parts and establishing common principles for engineering legume and cereal roots. Plant Biotechnology Journal, 2019, 17, 2234-2245.	8.3	28
23	Sinorhizobium fredii HH103 nolR and nodD2 mutants gain capacity for infection thread invasion of Lotus japonicus Gifu and Lotus burttii. Environmental Microbiology, 2019, 21, 1718-1739.	3.8	24
24	Epidermal auxin biosynthesis facilitates rhizobial infection in <i>Lotus japonicus</i>. Plant Journal, 2018, 95, 101-111.	5.7	52
25	Dynamics of Ethylene Production in Response to Compatible Nod Factor. Plant Physiology, 2018, 176, 1764-1772.	4.8	48
26	LYS12 LysM receptor deceleratesPhytophthora palmivoradisease progression inLotus japonicus. Plant Journal, 2018, 93, 297-310.	5.7	26
27	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
28	Intestinal microbiome adjusts the innate immune setpoint during colonization through negative regulation of MyD88. Nature Communications, 2018, 9, 4099.	12.8	73
29	Systemic control of legume susceptibility to rhizobial infection by a mobile microRNA. Science, 2018, 362, 233-236.	12.6	205
30	Epidermal LysM receptor ensures robust symbiotic signalling in Lotus japonicus. ELife, 2018, 7, .	6.0	51
31	A genetic screen for plant mutants with altered nodulation phenotypes in response to rhizobial glycan mutants. New Phytologist, 2018, 220, 526-538.	7.3	14
32	Distinct Lotus japonicus Transcriptomic Responses to a Spectrum of Bacteria Ranging From Symbiotic to Pathogenic. Frontiers in Plant Science, 2018, 9, 1218.	3.6	43
33	The Ethylene Responsive Factor Required for Nodulation 1 (ERN1) Transcription Factor Is Required for Infection-Thread Formation in <i>Lotus japonicus</i>. Molecular Plant-Microbe Interactions, 2017, 30, 194-204.	2.6	72
34	Differential regulation of the Epr3 receptor coordinates membrane-restricted rhizobial colonization of root nodule primordia. Nature Communications, 2017, 8, 14534.	12.8	149
35	SNOWY COTYLEDON 2 Promotes Chloroplast Development and Has a Role in Leaf Variegation inÂBoth Lotus japonicus and Arabidopsis thaliana. Molecular Plant, 2017, 10, 721-734.	8.3	37
36	<i>N</i>â€glycan maturation mutants in <i>Lotus japonicus</i> for basic and applied glycoprotein research. Plant Journal, 2017, 91, 394-407.	5.7	25

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37	User Guide for the LORE1 Insertion Mutant Resource. Methods in Molecular Biology, 2017, 1610, 13-23.	0.9	2
38	Preparation of glycoconjugates from unprotected carbohydrates for protein-binding studies. Nature Protocols, 2017, 12, 2411-2422.	12.0	12
39	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
40	Cytokinin Biosynthesis Promotes Cortical Cell Responses during Nodule Development. Plant Physiology, 2017, 175, 361-375.	4.8	98
41	Legume LysM receptors mediate symbiotic and pathogenic signalling. Current Opinion in Plant Biology, 2017, 39, 152-158.	7.1	64
42	The <i><scp>LORE</scp>1</i> insertion mutant resource. Plant Journal, 2016, 88, 306-317.	5.7	123
43	High-resolution genetic maps ofLotus japonicusandL. burttiibased on re-sequencing of recombinant inbred lines. DNA Research, 2016, 23, 487-494.	3.4	8
44	Different Pathways Act Downstream of the CEP Peptide Receptor CRA2 to Regulate Lateral Root and Nodule Development. Plant Physiology, 2016, 171, 2536-2548.	4.8	100
45	Sinorhizobium fredii HH103 Invades Lotus burttii by Crack Entry in a Nod Factorâ€"and Surface Polysaccharideâ€"Dependent Manner. Molecular Plant-Microbe Interactions, 2016, 29, 925-937.	2.6	41
46	Lotus Base: An integrated information portal for the model legume Lotus japonicus. Scientific Reports, 2016, 6, 39447.	3.3	124
47	Structures of Exopolysaccharides Involved in Receptor-mediated Perception of Mesorhizobium loti by Lotus japonicus. Journal of Biological Chemistry, 2016, 291, 20946-20961.	3.4	32
48	Hemoglobin LjGlb1-1 is involved in nodulation and regulates the level of nitric oxide in the<i>Lotus japonicusâ€"Mesorhizobium loti</i>symbiosis. Journal of Experimental Botany, 2016, 67, 5275-5283.	4.8	41
49	Inoculation insensitive promoters for cell type enriched gene expression in legume roots and nodules. Plant Methods, 2016, 12, 4.	4.3	9
50	CYTOKININ OXIDASE/DEHYDROGENASE3 Maintains Cytokinin Homeostasis during Root and Nodule Development in <i>Lotus japonicus</i>. Plant Physiology, 2016, 170, 1060-1074.	4.8	112
51	Standards for plant synthetic biology: a common syntax for exchange of <scp>DNA</scp> parts. New Phytologist, 2015, 208, 13-19.	7.3	263
52	Chromosomal regions associated with the <i>in vitro</i> culture response of wheat (<i><scp>T</scp>riticum aestivum </i><scp>L</scp>.) microspores. Plant Breeding, 2015, 134, 255-263.	1.9	13
53	micro RNA 172 (miR172) signals epidermal infection and is expressed in cells primed for bacterial invasion in <i>Lotus japonicus</i> roots and nodules. New Phytologist, 2015, 208, 241-256.	7.3	45
54	The deubiquitinating enzyme <scp>AMSH</scp>1 is required for rhizobial infection and nodule organogenesis in <i>Lotus japonicus</i>. Plant Journal, 2015, 83, 719-731.	5.7	19

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55	Naturally occurring diversity helps to reveal genes of adaptive importance in legumes. Frontiers in Plant Science, 2015, 6, 269.	3.6	37
56	Keeping track of the growing number of biological functions of chitin and its interaction partners in biomedical research. Glycobiology, 2015, 25, 469-482.	2.5	58
57	An intermolecular binding mechanism involving multiple LysM domains mediates carbohydrate recognition by an endopeptidase. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 592-605.	2.5	34
58	Genetic Diversity and Population Structure Analysis of European Hexaploid Bread Wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.5	133
59	Cooperative binding of LysM domains determines the carbohydrate affinity of a bacterial endopeptidase protein. FEBS Journal, 2014, 281, 1196-1208.	4.7	45
60	Proteome reference maps of the <i>Lotus japonicus</i> nodule and root. Proteomics, 2014, 14, 230-240.	2.2	21
61	Lotus japonicus SUNERGOS 1 encodes a predicted subunit A of a DNA topoisomerase VI that is required for nodule differentiation and accommodation of rhizobial infection. Plant Journal, 2014, 78, 811-821.	5.7	28
62	Spatial and temporal expression patterns of chitinase genes in developing zebrafish embryos. Gene Expression Patterns, 2014, 14, 69-77.	0.8	19
63	Chemically Synthesized 58â€mer LysM Domain Binds Lipochitin Oligosaccharide. ChemBioChem, 2014, 15, 2097-2105.	2.6	13
64	Lipochitin Oligosaccharides Immobilized through Oximes in Glycan Microarrays Bind LysM Proteins. ChemBioChem, 2014, 15, 425-434.	2.6	10
65	Background and History of the Lotus japonicus Model Legume System. Compendium of Plant Genomes, 2014, , 3-8.	0.5	2
66	Conditional Requirement for Exopolysaccharide in the <i>Mesorhizobiumâ€"Lotus</i> Symbiosis. Molecular Plant-Microbe Interactions, 2013, 26, 319-329.	2.6	117
67	Combined N-Glycome and N-Glycoproteome Analysis of the <i>Lotus japonicus</i> Seed Globulin Fraction Shows Conservation of Protein Structure and Glycosylation in Legumes. Journal of Proteome Research, 2013, 12, 3383-3392.	3.7	27
68	Cloning, expression, purification, crystallization and preliminary crystallographic analysis of the putative NlpC/P60 endopeptidase, TTHA0266, fromThermus thermophilusHB8. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 1291-1294.	0.7	2
69	The K+-Dependent Asparaginase, NSE1, is Crucial for Plant Growth and Seed Production in Lotus japonicus. Plant and Cell Physiology, 2013, 54, 107-118.	3.1	37
70	Activation of an Endogenous Retrotransposon Associated with Epigenetic Changes in <i>Lotus japonicus</i>: A Tool for Functional Genomics in Legumes. Plant Genome, 2013, 6, plantgenome2013.04.0009.	2.8	6
71	High-Throughput and Targeted Genotyping of Lotus japonicus LORE1 Insertion Mutants. Methods in Molecular Biology, 2013, 1069, 119-146.	0.9	12
72	<i>shortran</i>: a pipeline for small RNA-seq data analysis. Bioinformatics, 2012, 28, 2698-2700.	4.1	27

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73	The Integral Membrane Protein SEN1 is Required for Symbiotic Nitrogen Fixation in Lotus japonicus Nodules. Plant and Cell Physiology, 2012, 53, 225-236.	3.1	95
74	Interplay of flg22-induced defence responses and nodulation in Lotus japonicus. Journal of Experimental Botany, 2012, 63, 393-401.	4.8	130
75	A Set of Lotus japonicus Gifu x Lotus burttii Recombinant Inbred Lines Facilitates Map-based Cloning and QTL Mapping. DNA Research, 2012, 19, 317-323.	3.4	40
76	Negative regulation of CCaMK is essential for symbiotic infection. Plant Journal, 2012, 72, 572-584.	5.7	43
77	Legume receptors perceive the rhizobial lipochitin oligosaccharide signal molecules by direct binding. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13859-13864.	7.1	301
78	<i>Lotus japonicus ARPC1</i> Is Required for Rhizobial Infection Â. Plant Physiology, 2012, 160, 917-928.	4.8	78
79	Receptor Kinases Mediating Early Symbiotic Signalling. Signaling and Communication in Plants, 2012, , 93-107.	0.7	0
80	Two MicroRNAs Linked to Nodule Infection and Nitrogen-Fixing Ability in the Legume <i>Lotus japonicus</i> Â Â. Plant Physiology, 2012, 160, 2137-2154.	4.8	116
81	Mesoamerican origin of the common bean (<i>Phaseolus vulgaris</i> L.) is revealed by sequence data. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E788-96.	7.1	327
82	Crystal structure of the TLDc domain of oxidation resistance protein 2 from zebrafish. Proteins: Structure, Function and Bioinformatics, 2012, 80, 1694-1698.	2.6	31
83	Genomeâ€wide <i>LORE1</i> retrotransposon mutagenesis and highâ€throughput insertion detection in <i>Lotus japonicus</i>. Plant Journal, 2012, 69, 731-741.	5.7	149
84	Infection of Lotus japonicus Roots by Mesorhizobium loti. Signaling and Communication in Plants, 2012, , 31-50.	0.7	4
85	Root Nodulation: A Paradigm for How Plant-Microbe Symbiosis Influences Host Developmental Pathways. Cell Host and Microbe, 2011, 10, 348-358.	11.0	259
86	Cytokinin Induction of Root Nodule Primordia in <i>Lotus japonicus</i> Is Regulated by a Mechanism Operating in the Root Cortex. Molecular Plant-Microbe Interactions, 2011, 24, 1385-1395.	2.6	147
87	Autophosphorylation is essential for the <i>inâ€ƒvivo</i> function of the <i>Lotus japonicus</i> Nod factor receptorâ€ƒ1 and receptorâ€mediated signalling in cooperation with Nod factor receptorâ€ƒ5. Plant Journal, 2011, 65, 404-417.	5.7	165
88	The <i>Clavata2</i> genes of pea and <i>Lotus japonicus</i> affect autoregulation of nodulation. Plant Journal, 2011, 65, 861-871.	5.7	110
89	Micro-PIXE investigation of bean seeds to assist micronutrient biofortification. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 2297-2302.	1.4	12
90	Five phosphonate operon gene products as components of a multi-subunit complex of the carbon-phosphorus lyase pathway. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11393-11398.	7.1	60

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91	Improved Characterization of Nod Factors and Genetically Based Variation in LysM Receptor Domains Identify Amino Acids Expendable for Nod Factor Recognition in <i>Lotus</i> spp.. Molecular Plant-Microbe Interactions, 2010, 23, 58-66.	2.6	62
92	Evolution and Regulation of the <i>Lotus japonicus LysM Receptor</i> Gene Family. Molecular Plant-Microbe Interactions, 2010, 23, 510-521.	2.6	117
93	Iron and ferritin accumulate in separate cellular locations in Phaseolus seeds. BMC Plant Biology, 2010, 10, 26.	3.6	67
94	Derepression of the Plant Chromovirus LORE1 Induces Germline Transposition in Regenerated Plants. PLoS Genetics, 2010, 6, e1000868.	3.5	48
95	Proteome Analysis of Pod and Seed Development in the Model Legume <i>Lotus japonicus</i>. Journal of Proteome Research, 2010, 9, 5715-5726.	3.7	34
96	Common and not so common symbiotic entry. Trends in Plant Science, 2010, 15, 540-545.	8.8	51
97	The molecular network governing nodule organogenesis and infection in the model legume Lotus japonicus. Nature Communications, 2010, 1, 10.	12.8	426
98	Dissection of Symbiosis and Organ Development by Integrated Transcriptome Analysis of Lotus japonicus Mutant and Wild-Type Plants. PLoS ONE, 2009, 4, e6556.	2.5	134
99	The Proteome of Seed Development in the Model Legume <i>Lotus japonicus</i> Â Â Â. Plant Physiology, 2009, 149, 1325-1340.	4.8	76
100	An analysis of synteny of Arachis with Lotus and Medicago sheds new light on the structure, stability and evolution of legume genomes.. BMC Genomics, 2009, 10, 45.	2.8	125
101	CERBERUS, a novel Uâ€box protein containing WDâ€40 repeats, is required for formation of the infection thread and nodule development in the legumeâ€"<i>Rhizobium</i> symbiosis. Plant Journal, 2009, 60, 168-180.	5.7	114
102	Rearrangement of Actin Cytoskeleton Mediates Invasion of<i>Lotus japonicus</i>Roots by<i>Mesorhizobium loti</i>Â Â. Plant Cell, 2009, 21, 267-284.	6.6	149
103	Nodulation Gene Mutants of <i>Mesorhizobium loti</i> R7Aâ€"<i>nodZ</i> and <i>nolL</i> Mutants Have Host-Specific Phenotypes on <i>Lotus</i> spp.. Molecular Plant-Microbe Interactions, 2009, 22, 1546-1554.	2.6	62
104	Transposition of a 600 thousand-year-old LTR retrotransposon in the model legume LotusÂjaponicus. Plant Molecular Biology, 2008, 68, 653-663.	3.9	23
105	Lotus genome: pod of gold for legume research. Trends in Plant Science, 2008, 13, 515-517.	8.8	16
106	The Pea <i>Sym37</i> Receptor Kinase Gene Controls Infection-Thread Initiation and Nodule Development. Molecular Plant-Microbe Interactions, 2008, 21, 1600-1608.	2.6	102
107	An Unusual Intrinsically Disordered Protein from the Model Legume Lotus japonicus Stabilizes Proteins in Vitro. Journal of Biological Chemistry, 2008, 283, 31142-31152.	3.4	37
108	Legume Anchor Markers Link Syntenic Regions Between <i>Phaseolus vulgaris</i>, <i>Lotus japonicus</i>, <i>Medicago truncatula</i> and Arachis. Genetics, 2008, 179, 2299-2312.	2.9	85

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109	A Gain-of-Function Mutation in a Cytokinin Receptor Triggers Spontaneous Root Nodule Organogenesis. Science, 2007, 315, 104-107.	12.6	502
110	LysM domains mediate lipochitinâ€“oligosaccharide recognition and Nfr genes extend the symbiotic host range. EMBO Journal, 2007, 26, 3923-3935.	7.8	346
111	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
112	Spontaneous Root-Nodule Formation in the Model Legume Lotus japonicus: A Novel Class of Mutants Nodulates in the Absence of Rhizobia. Molecular Plant-Microbe Interactions, 2006, 19, 373-382.	2.6	94
113	Genetic Suppressors of the Lotus japonicus har1-1 Hypernodulation Phenotype. Molecular Plant-Microbe Interactions, 2006, 19, 1082-1091.	2.6	45
114	Deregulation of a Ca2+/calmodulin-dependent kinase leads to spontaneous nodule development. Nature, 2006, 441, 1153-1156.	27.8	400
115	A general pipeline for the development of anchor markers for comparative genomics in plants. BMC Genomics, 2006, 7, 207.	2.8	47
116	GeMprospector--online design of cross-species genetic marker candidates in legumes and grasses. Nucleic Acids Research, 2006, 34, W670-W675.	14.5	27
117	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
118	Analysis of Promoter Activity of the Early Nodulin Enod40 in Lotus japonicus. Molecular Plant-Microbe Interactions, 2005, 18, 414-427.	2.6	32
119	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
120	Evolution of NIN-Like Proteins in Arabidopsis, Rice, and Lotus japonicus. Journal of Molecular Evolution, 2005, 60, 229-237.	1.8	209
121	Seven Lotus japonicus Genes Required for Transcriptional Reprogramming of the Root during Fungal and Bacterial Symbiosis. Plant Cell, 2005, 17, 2217-2229.	6.6	293
122	Lotus burttii Takes a Position of the Third Corner in the Lotus Molecular Genetics Triangle. DNA Research, 2005, 12, 69-77.	3.4	38
123	PriFi: using a multiple alignment of related sequences to find primers for amplification of homologs. Nucleic Acids Research, 2005, 33, W516-W520.	14.5	90
124	The Sulfate Transporter SST1 Is Crucial for Symbiotic Nitrogen Fixation in Lotus japonicus Root Nodules. Plant Cell, 2005, 17, 1625-1636.	6.6	227
125	Lotus japonicus: legume research in the fast lane. Trends in Plant Science, 2005, 10, 222-228.	8.8	123
126	Lotus japonicusâ€™s a model system. , 2005, , 3-24.		14

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127	Ds gene-tagging. , 2005, , 211-215.		1
128	Mapping and map-based cloning. , 2005, , 217-232.		4
129	Transformation-regeneration procedure for Lotus japonicus. , 2005, , 279-284.		6
130	Agrobacterium rhizogenes pRi TL-DNA integration system: a gene vector for Lotus japonicus transformation. , 2005, , 285-287.		8
131	Distinct roles of Lotus japonicus SYMRK and SYM15 in root colonization and arbuscule formation. New Phytologist, 2004, 163, 381-392.	7.3	102
132	Auxin distribution inLotus japonicusduring root nodule development. Plant Molecular Biology, 2003, 52, 1169-1180.	3.9	130
133	Proliferating Floral Organs (Pfo), a Lotus japonicus gene required for specifying floral meristem determinacy and organ identity, encodes an F-box protein. Plant Journal, 2003, 33, 607-619.	5.7	43
134	Plant recognition of symbiotic bacteria requires two LysM receptor-like kinases. Nature, 2003, 425, 585-592.	27.8	1,092
135	A receptor kinase gene of the LysM type is involved in legumeperception of rhizobial signals. Nature, 2003, 425, 637-640.	27.8	896
136	The Sym35 Gene Required for Root Nodule Development in Pea Is an Ortholog of Nin from Lotus japonicus Â. Plant Physiology, 2003, 131, 1009-1017.	4.8	168
137	Dual requirement of the LjSym4 gene for mycorrhizal development in epidermal and cortical cells of Lotus japonicus roots. New Phytologist, 2002, 154, 741-749.	7.3	78
138	A plant receptor-like kinase required for both bacterial and fungal symbiosis. Nature, 2002, 417, 959-962.	27.8	874
139	Shoot control of root development and nodulation is mediated by a receptor-like kinase. Nature, 2002, 420, 422-426.	27.8	529
140	Chromosomal Map of the Model Legume <i>Lotus japonicus</i>. Genetics, 2002, 161, 1661-1672.	2.9	195
141	A Genetic Linkage Map of the Model Legume<i>Lotus japonicus</i>and Strategies for Fast Mapping of New Loci. Genetics, 2002, 161, 1673-1683.	2.9	74
142	Genetics and genomics of root symbiosis. Current Opinion in Plant Biology, 2001, 4, 328-335.	7.1	166
143	The Lotus japonicus LjSym4 Gene Is Required for the Successful Symbiotic Infection of Root Epidermal Cells. Molecular Plant-Microbe Interactions, 2000, 13, 1109-1120.	2.6	135
144	Short root mutant of Lotus japonicus with a dramatically altered symbiotic phenotype. Plant Journal, 2000, 23, 97-114.	5.7	268

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145	Regulators and Regulation of Legume Root Nodule Development. Plant Physiology, 2000, 124, 531-540.	4.8	207
146	Use of GFP to Study Factors Involved in the Lotus japonicus Symbiosis. , 2000, , 219-222.		1
147	A plant regulator controlling development of symbiotic root nodules. Nature, 1999, 402, 191-195.	27.8	853
148	Fusions between green fluorescent protein and beta-glucuronidase as sensitive and vital bifunctional reporters in plants. Plant Molecular Biology, 1998, 37, 715-727.	3.9	33
149	Title is missing!. Plant Molecular Biology, 1998, 38, 917-917.	3.9	0
150	Fusions between green fluorescent protein and beta-glucuronidase as sensitive and vital bifunctional reporters in plants. Plant Molecular Biology, 1998, 38, 861-873.	3.9	31
151	Mycorrhiza Mutants of Lotus japonicus Define Genetically Independent Steps During Symbiotic Infection. Molecular Plant-Microbe Interactions, 1998, 11, 933-936.	2.6	119
152	Gene targeting approaches using positive-negative selection and large flanking regions. Plant Molecular Biology, 1997, 35, 523-530.	3.9	65
153	Recent Advances in the Molecular Genetics of The Model Legume Lotus japonicus. , 1997, , 255-258.		0
154	The maize transposable element Ac is mobile in the legume Lotus japonicus. Plant Molecular Biology, 1995, 27, 981-993.	3.9	67
155	Agrobacterium rhizogenes as a Vector for Transforming Higher Plants: Application in Lotus corniculatus Transformation. , 1995, 49, 49-62.		24
156	Transgenic Plants: Agrobacterium-Mediated Transformation of the Diploid Legume Lotus japonicus. , 1994, , 119-127.		17
157	Substrate-dependent negative selection in plants using a bacterial cytosine deaminase gene. Plant Journal, 1993, 3, 755-761.	5.7	68
158	Conserved regulation of the soybean early nodulin <i>ENOD2</i> gene promoter in determinate and indeterminate transgenic root nodules. Plant Journal, 1993, 3, 483-492.	5.7	43
159	Substrate-dependent negative selection in plants using a bacterial cytosine deaminase gene. Plant Journal, 1993, 3, 755-761.	5.7	7
160	Lotus japonicus, an autogamous, diploid legume species for classical and molecular genetics. Plant Journal, 1992, 2, 487-496.	5.7	588
161	Hairy roots ? a short cut to transgenic root nodules. Plant Cell Reports, 1989, 8, 12-15.	5.6	129
162	Transformation and regeneration of the legume Lotus corniculatus: A system for molecular studies of symbiotic nitrogen fixation. Molecular Genetics and Genomics, 1987, 207, 245-250.	2.4	125

#	Article	IF	Citations
163	The Agrobacterium rhizogenes pRi TL-DNA segment as a gene vector system for transformation of plants. Molecular Genetics and Genomics, 1987, 207, 251-255.	2.4	104
164	Molecular Mechanisms of Intercellular Rhizobial Infection: Novel Findings of an Ancient Process. Frontiers in Plant Science, 0, 13, .	3.6	17