

Legume nodulation: The host controls the party

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Callose-Regulated Symplastic Communication Coordinates Symbiotic Root Nodule Development. <i>Current Biology</i> , 2018, 28, 3562-3577.e6.	1.8	41
2	Phosphate Deficiency Negatively Affects Early Steps of the Symbiosis between Common Bean and Rhizobia. <i>Genes</i> , 2018, 9, 498.	1.0	25
3	Local and Systemic Effect of Cytokinins on Soybean Nodulation and Regulation of Their Isopentenyl Transferase (IPT) Biosynthesis Genes Following Rhizobia Inoculation. <i>Frontiers in Plant Science</i> , 2018, 9, 1150.	1.7	41
4	Expression of the <i>Arabidopsis thaliana</i> immune receptor <i>EFR</i> in <i>Medicago truncatula</i> reduces infection by a root pathogenic bacterium, but not nitrogen-fixing rhizobial symbiosis. <i>Plant Biotechnology Journal</i> , 2019, 17, 569-579.	4.1	42
5	Rhizobial tRNA-derived small RNAs are signal molecules regulating plant nodulation. <i>Science</i> , 2019, 365, 919-922.	6.0	223
6	Editorial: Metabolic Adjustments and Gene Expression Reprogramming for Symbiotic Nitrogen Fixation in Legume Nodules. <i>Frontiers in Plant Science</i> , 2019, 10, 898.	1.7	6
7	Root traits benefitting crop production in environments with limited water and nutrient availability. <i>Annals of Botany</i> , 2019, 124, 883-890.	1.4	30
8	Allelic Variants for Candidate Nitrogen Fixation Genes Revealed by Sequencing in Red Clover (<i>Trifolium pratense</i> L.). <i>International Journal of Molecular Sciences</i> , 2019, 20, 5470.	1.8	8
9	Mitigation of Nitrous Oxide Emissions during Nitrification and Denitrification Processes in Agricultural Soils Using Enhanced Efficiency Fertilizers. , 0, , .		2
10	Autoregulation of Legume Nodulation by Sophisticated Transcriptional Regulatory Networks. <i>Molecular Plant</i> , 2019, 12, 1179-1181.	3.9	12
11	Argonaute Proteins: Why Are They So Important for the Legume-Rhizobia Symbiosis?. <i>Frontiers in Plant Science</i> , 2019, 10, 1177.	1.7	2
12	Regulation of Symbiotic Nitrogen Fixation in Legume Root Nodules. <i>Plants</i> , 2019, 8, 333.	1.6	57
13	Identification of Long Non-Coding RNAs and the Regulatory Network Responsive to Arbuscular Mycorrhizal Fungi Colonization in Maize Roots. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4491.	1.8	22
14	Symbiotic incompatibility between soybean and <i>Bradyrhizobium</i> arises from one amino acid determinant in soybean Rj2 protein. <i>PLoS ONE</i> , 2019, 14, e0222469.	1.1	10
15	Differential tetraspanin genes expression and subcellular localization during mutualistic interactions in <i>Phaseolus vulgaris</i> . <i>PLoS ONE</i> , 2019, 14, e0219765.	1.1	13
16	How Do Strigolactones Ameliorate Nutrient Deficiencies in Plants?. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a034686.	2.3	19
17	GmYUC2a mediates auxin biosynthesis during root development and nodulation in soybean. <i>Journal of Experimental Botany</i> , 2019, 70, 3165-3176.	2.4	49
18	Hypernodulating soybean mutant line nod4 lacking "Autoregulation of Nodulation"™ (AON) has limited root-to-shoot water transport capacity. <i>Annals of Botany</i> , 2019, 124, 979-991.	1.4	6

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19	Redox Systemic Signaling and Induced Tolerance Responses During Soybean-Bradyrhizobium japonicum Interaction: Involvement of Nod Factor Receptor and Autoregulation of Nodulation. <i>Frontiers in Plant Science</i> , 2019, 10, 141.	1.7	25
20	Identifying Temporally Regulated Root Nodulation Biomarkers Using Time Series Gene Co-Expression Network Analysis. <i>Frontiers in Plant Science</i> , 2019, 10, 1409.	1.7	7
21	Glycerol-3-phosphate mediates rhizobia-induced systemic signaling in soybean. <i>Nature Communications</i> , 2019, 10, 5303.	5.8	31
22	Formulation of a Highly Effective Inoculant for Common Bean Based on an Autochthonous Elite Strain of <i>Rhizobium leguminosarum</i> bv. <i>phaseoli</i> , and Genomic-Based Insights Into Its Agronomic Performance. <i>Frontiers in Microbiology</i> , 2019, 10, 2724.	1.5	36
23	Legumes- The art and science of environmentally sustainable agriculture. <i>Plant, Cell and Environment</i> , 2019, 42, 1-5.	2.8	28
24	Distribution of antibiotic resistance genes in soils and crops. A field study in legume plants (<i>Vicia faba</i>) Tj ETQq1 1 0.784314 ggBT /Over	3.7	67
25	A Resurrected Scenario: Single Gain and Massive Loss of Nitrogen-Fixing Nodulation. <i>Trends in Plant Science</i> , 2019, 24, 49-57.	4.3	80
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28	Celebrating 20 Years of Genetic Discoveries in Legume Nodulation and Symbiotic Nitrogen Fixation. <i>Plant Cell</i> , 2020, 32, 15-41.	3.1	416
29	Induced systemic resistance-like responses elicited by rhizobia. <i>Plant and Soil</i> , 2020, 448, 1-14.	1.8	24
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32	No Home without Hormones: How Plant Hormones Control Legume Nodule Organogenesis. <i>Plant Communications</i> , 2020, 1, 100104.	3.6	58
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35	Which Agronomic Practices Increase the Yield and Quality of Common Bean (<i>Phaseolus vulgaris</i> L.)? A Systematic Review Protocol. <i>Agronomy</i> , 2020, 10, 1008.	1.3	4
36	Evaluation of beneficial and inhibitory effects of nitrate on nodulation and nitrogen fixation in common bean (<i>Phaseolus vulgaris</i>), 2020, 2, e45.		15

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37	Genome-Wide Identification of the CrRLK1L Subfamily and Comparative Analysis of Its Role in the Legume-Rhizobia Symbiosis. <i>Genes</i> , 2020, 11, 793.	1.0	16
38	A Powerful LAMP Weapon against the Threat of the Quarantine Plant Pathogen <i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> . <i>Microorganisms</i> , 2020, 8, 1705.	1.6	11
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41	Infection of <i>Medicago truncatula</i> by the Root-Knot Nematode <i>Meloidogyne javanica</i> Does Not Require Early Nodulation Genes. <i>Frontiers in Plant Science</i> , 2020, 11, 1050.	1.7	8
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44	The Evolution of Mutualistic Dependence. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2020, 51, 409-432.	3.8	78
45	Exploiting Biological Nitrogen Fixation: A Route Towards a Sustainable Agriculture. <i>Plants</i> , 2020, 9, 1011.	1.6	151
46	Whole-Genome Sequencing of <i>Bradyrhizobium diazoefficiens</i> 113-2 and Comparative Genomic Analysis Provide Molecular Insights Into Species Specificity and Host Specificity. <i>Frontiers in Microbiology</i> , 2020, 11, 576800.	1.5	14
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57	<i>Acacia longifolia</i> : A Host of Many Guests Even after Fire. <i>Diversity</i> , 2020, 12, 250.	0.7	5
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75	Role of long noncoding RNAs during stress in cereal crops. , 2021, , 107-131.		1
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111	Determination of the Optimum Rate of N Fertilizers with Addition of Goat Manure for Production of Cowpea (<i>Vigna unguiculata</i> [L.] Walp). <i>Journal of Tropical Crop Science</i> , 2019, 6, 121-128.	0.1	0
113	Arbuscular mycorrhizal associations and the major regulators. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 296.	0.9	6
114	Assessment of Genetic Diversity and Symbiotic Efficiency of Selected Rhizobia Strains Nodulating Lentil (<i>Lens culinaris</i> Medik.). <i>Plants</i> , 2021, 10, 15.	1.6	12
115	Optimizing Rhizobium-Legume Symbiosis in Smallholder Agroecosystems. <i>Sustainable Agriculture Reviews</i> , 2020, , 159-177.	0.6	1

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116	Early Molecular Dialogue Between Legumes and Rhizobia: Why Are They So Important?. Results and Problems in Cell Differentiation, 2020, 69, 409-419.	0.2	0
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127	Small signaling peptides mediate plant adaptations to abiotic environmental stress. Planta, 2022, 255, 72.	1.6	14
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186	Root osmotic sensing from local perception to systemic responses. <i>Stress Biology</i> , 2022, 2, .	1.5	8
187	Complete Genome Sequence of <i>Mesorhizobium ciceri</i> Strain R30, a Rhizobium Used as a Commercial Inoculant for Chickpea in Argentina. <i>Microbiology Resource Announcements</i> , 2022, 11, .	0.3	2
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