Euan K James

List of Publications by Year
in descending order

165 papers	14,162 citations	16451 64 h-index	22166 113 g-index
172 all docs	172 docs citations	172 times ranked	9150 citing authors

#	Article	IF	Citations
1	The plant microbiome. Genome Biology, 2013, 14, 209.	8.8	1,028
2	The molecular network governing nodule organogenesis and infection in the model legume Lotus japonicus. Nature Communications, 2010, 1, 10.	12.8	426
3	Legume-Nodulating Betaproteobacteria: Diversity, Host Range, and Future Prospects. Molecular Plant-Microbe Interactions, 2011, 24, 1276-1288.	2.6	378
4	Nitrogen fixation in endophytic and associative symbiosis. Field Crops Research, 2000, 65, 197-209.	5.1	374
5	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
6	Infection and Colonization of Rice Seedlings by the Plant Growth-Promoting Bacterium Herbaspirillum seropedicae Z67. Molecular Plant-Microbe Interactions, 2002, 15, 894-906.	2.6	351
7	LysM domains mediate lipochitinâ€“oligosaccharide recognition and Nfr genes extend the symbiotic host range. EMBO Journal, 2007, 26, 3923-3935.	7.8	346
8	Common Features of Environmental and Potentially Beneficial Plant-Associated Burkholderia. Microbial Ecology, 2012, 63, 249-266.	2.8	321
9	Infection and Colonization of Sugar Cane and Other Graminaceous Plants by Endophytic Diazotrophs. Critical Reviews in Plant Sciences, 1998, 17, 77-119.	5.7	309
10	Endophytic Colonization of Rice by a Diazotrophic Strain of Serratia marcescens. Journal of Bacteriology, 2001, 183, 2634-2645.	2.2	304
11	Infection of sugar cane by the nitrogen-fixing bacterium<i>Acetobacter diazotrophicus</i>. Journal of Experimental Botany, 1994, 45, 757-766.	4.8	302
12	Biogeography of nodulated legumes and their nitrogenâ€fixing symbionts. New Phytologist, 2017, 215, 40-56.	7.3	280
13	Molecular mechanisms of kinetochore capture by spindle microtubules. Nature, 2005, 434, 987-994.	27.8	260
14	Whole Genome Analyses Suggests that Burkholderia sensu lato Contains Two Additional Novel Genera (Mycetohabitans gen. nov., and Trinickia gen. nov.): Implications for the Evolution of Diazotrophy and Nodulation in the Burkholderiaceae. Genes, 2018, 9, 389.	2.4	252
15	<i>Burkholderia</i>species are ancient symbionts of legumes. Molecular Ecology, 2010, 19, 44-52.	3.9	245
16	The Sulfate Transporter SST1 Is Crucial for Symbiotic Nitrogen Fixation in Lotus japonicus Root Nodules. Plant Cell, 2005, 17, 1625-1636.	6.6	227
17	Infection and Colonization of Sugar Cane and Other Graminaceous Plants by Endophytic Diazotrophs. Critical Reviews in Plant Sciences, 1998, 17, 77-119.	5.7	226
18	Burkholderia phymatum is a highly effective nitrogenâ€fixing symbiont of Mimosa spp. and fixes nitrogen ex planta. New Phytologist, 2007, 173, 168-180.	7.3	210

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19	Nutrient Sharing between Symbionts. Plant Physiology, 2007, 144, 604-614.	4.8	192
20	Legume Evolution: Where Do Nodules and Mycorrhizas Fit In?. Plant Physiology, 2007, 144, 575-581.	4.8	192
21	Proof that Burkholderia Strains Form Effective Symbioses with Legumes: a Study of Novel Mimosa -Nodulating Strains from South America. Applied and Environmental Microbiology, 2005, 71, 7461-7471.	3.1	172
22	Nodulation and nitrogen fixation by <i>Mimosa</i> spp. in the Cerrado and Caatinga biomes of Brazil. New Phytologist, 2010, 186, 934-946.	7.3	170
23	Burkholderia mimosarum sp. nov., isolated from root nodules of Mimosa spp. from Taiwan and South America. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 1847-1851.	1.7	169
24	<i>Burkholderia</i> spp. are the most competitive symbionts of <i>Mimosa</i>, particularly under Nâ€limited conditions. Environmental Microbiology, 2009, 11, 762-778.	3.8	157
25	Nodulation of Cyclopia spp. (Leguminosae, Papilionoideae) by Burkholderia tuberum. Annals of Botany, 2007, 100, 1403-1411.	2.9	154
26	Herbaspirillum colonization increases growth and nitrogen accumulation in aluminiumâ€tolerant rice varieties. New Phytologist, 2002, 154, 131-145.	7.3	153
27	Burkholderia nodosa sp. nov., isolated from root nodules of the woody Brazilian legumes Mimosa bimucronata and Mimosa scabrella. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 1055-1059.	1.7	152
28	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
29	Differential regulation of the Epr3 receptor coordinates membrane-restricted rhizobial colonization of root nodule primordia. Nature Communications, 2017, 8, 14534.	12.8	149
30	Infection of mottled stripe disease-susceptible and resistant sugar cane varieties by the endophytic diazotroph Herbaspirillum. New Phytologist, 1997, 135, 723-737.	7.3	146
31	Herbaspirillum, an endophytic diazotroph colonizing vascular tissue 3Sorghum bicolor L. Moench. Journal of Experimental Botany, 1997, 48, 785-798.	4.8	141
32	Î²â€Rhizobia from Mimosa pigra , a newly discovered invasive plant in Taiwan. New Phytologist, 2005, 168, 661-675.	7.3	140
33	Nodulation of Mimosa spp. by the Î²-Proteobacterium Ralstonia taiwanensis. Molecular Plant-Microbe Interactions, 2003, 16, 1051-1061.	2.6	131
34	Symbiotic diversity, specificity and distribution of rhizobia in native legumes of the Core Cape Subregion (South Africa). FEMS Microbiology Ecology, 2015, 91, 1-17.	2.7	131
35	Metal biosorption capability of Cupriavidus taiwanensis and its effects on heavy metal removal by nodulated Mimosa pudica. Journal of Hazardous Materials, 2008, 151, 364-371.	12.4	126
36	Horizontal Transfer of Symbiosis Genes within and Between Rhizobial Genera: Occurrence and Importance. Genes, 2018, 9, 321.	2.4	124

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37	Further observations on the interaction between sugar cane and Gluconacetobacter diazotrophicus under laboratory and greenhouse conditions1. Journal of Experimental Botany, 2001, 52, 747-760.	4.8	123
38	Switch from intracellular to intercellular invasion during water stress-tolerant legume nodulation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6303-6308.	7.1	121
39	Nodulation of <i>Sesbania</i> species by <i>Rhizobium</i> (<i>Agrobacterium</i>) strain IRBG74 and other rhizobia. Environmental Microbiology, 2009, 11, 2510-2525.	3.8	120
40	Localization of Superoxide Dismutases and Hydrogen Peroxide in Legume Root Nodules. Molecular Plant-Microbe Interactions, 2004, 17, 1294-1305.	2.6	115
41	Burkholderia Species Are the Most Common and Preferred Nodulating Symbionts of the Piptadenia Group (Tribe Mimoseae). PLoS ONE, 2013, 8, e63478.	2.5	108
42	Intercellular location of glycoprotein in soybean nodules: effect of altered rhizosphere oxygen concentration. Plant, Cell and Environment, 1991, 14, 467-476.	5.7	107
43	Burkholderia sabiae sp. nov., isolated from root nodules of Mimosa caesalpiniifolia. International Journal of Systematic and Evolutionary Microbiology, 2008, 58, 2174-2179.	1.7	107
44	Ethylene and carbon dioxide production by developing strawberries show a correlative pattern that is indicative of ripening climacteric fruit. Physiologia Plantarum, 2006, 127, 247-259.	5.2	105
45	An invasive Mimosa in India does not adopt the symbionts of its native relatives. Annals of Botany, 2013, 112, 179-196.	2.9	100
46	A Legume Genetic Framework Controls Infection of Nodules by Symbiotic and Endophytic Bacteria. PLoS Genetics, 2015, 11, e1005280.	3.5	97
47	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
48	Burkholderia diazotrophica sp. nov., isolated from root nodules of Mimosa spp.. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 435-441.	1.7	94
49	Natural abundance of 15N and 13C in nodulated legumes and other plants in the cerrado and neighbouring regions of Brazil. Oecologia, 1996, 105, 440-446.	2.0	85
50	The Structure of Nitrogen Fixing Root Nodules on the Aquatic Mimosoid Legume Neptunia plena. Annals of Botany, 1992, 69, 173-180.	2.9	83
51	<i>Lotus japonicus ARPC1</i> Is Required for Rhizobial Infection Â. Plant Physiology, 2012, 160, 917-928.	4.8	78
52	Burkholderia and Cupriavidus spp. are the preferred symbionts of Mimosa spp. in Southern China. FEMS Microbiology Ecology, 2012, 80, 417-426.	2.7	78
53	Burkholderia symbiotica sp. nov., isolated from root nodules of Mimosa spp. native to north-east Brazil. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 2272-2278.	1.7	76
54	From North to South: A latitudinal look at legume nodulation processes. South African Journal of Botany, 2013, 89, 31-41.	2.5	75

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55	The evolutionary significance of the legume genus Chamaecrista , as determined by nodule structure. New Phytologist, 1992, 122, 487-492.	7.3	74
56	Functional Characterization and Expression of a Cytosolic Iron-Superoxide Dismutase from Cowpea Root Nodules,. Plant Physiology, 2003, 133, 773-782.	4.8	74
57	Endemic <i><scp>M</scp>imosa</i> species from <scp>M</scp>exico prefer alphaproteobacterial rhizobial symbionts. New Phytologist, 2016, 209, 319-333.	7.3	72
58	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
59	Complete Genome sequence of Burkholderia phymatum STM815T, a broad host range and efficient nitrogen-fixing symbiont of Mimosa species. Standards in Genomic Sciences, 2014, 9, 763-774.	1.5	71
60	Biogeographical Patterns of Legume-Nodulating Burkholderia spp.: from African Fynbos to Continental Scales. Applied and Environmental Microbiology, 2016, 82, 5099-5115.	3.1	71
61	Soil characteristics determine the rhizobia in association with different species of Mimosa in central Brazil. Plant and Soil, 2018, 423, 411-428.	3.7	71
62	Development of N2-fixing nodules on the wetland legumeLotus uliginosusexposed to conditions of flooding. New Phytologist, 1999, 142, 219-231.	7.3	69
63	BacA Is Essential for Bacteroid Development in Nodules of Galegoid, but not Phaseoloid, Legumes. Journal of Bacteriology, 2010, 192, 2920-2928.	2.2	67
64	Oxygen Diffusion in Lupin Nodules. Journal of Experimental Botany, 1993, 44, 1461-1467.	4.8	66
65	Nitrogen fixation in legumes and actinorhizal plants in natural ecosystems: values obtained using15N natural abundance. Plant Ecology and Diversity, 2011, 4, 131-140.	2.4	66
66	Burkholderia sp. Induces Functional Nodules on the South African Invasive Legume Dipogon lignosus (Phaseoleae) in New Zealand Soils. Microbial Ecology, 2014, 68, 542-555.	2.8	63
67	Novel Cupriavidus Strains Isolated from Root Nodules of Native Uruguayan Mimosa Species. Applied and Environmental Microbiology, 2016, 82, 3150-3164.	3.1	63
68	Molecular characterization of nitrogen fixing microsymbionts from root nodules of Vachellia (Acacia) jacquemontii, a native legume from the Thar Desert of India. Plant and Soil, 2017, 410, 21-40.	3.7	63
69	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
70	Effect of water stress on nitrogen fixation and nodule structure of common bean. Pesquisa Agropecuaria Brasileira, 2003, 38, 339-347.	0.9	61
71	A Comparative Nitrogen Balance and Productivity Analysis of Legume and Non-legume Supported Cropping Systems: The Potential Role of Biological Nitrogen Fixation. Frontiers in Plant Science, 2016, 7, 1700.	3.6	60
72	Flooding-tolerant legume symbioses from the Brazilian Pantanal. New Phytologist, 2001, 150, 723-738.	7.3	59

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73	Nodulation of legumes from the Thar desert of India and molecular characterization of their rhizobia. Plant and Soil, 2012, 357, 227-243.	3.7	57
74	Oxygen Diffusion in Lupin Nodules. Journal of Experimental Botany, 1993, 44, 1469-1474.	4.8	56
75	The glutathione peroxidase gene family of <i>Lotus japonicus</i>: characterization of genomic clones, expression analyses and immunolocalization in legumes. New Phytologist, 2009, 181, 103-114.	7.3	56
76	Absence of Symbiotic Leghemoglobins Alters Bacteroid and Plant Cell Differentiation During Development of <i>Lotus japonicus</i> Root Nodules. Molecular Plant-Microbe Interactions, 2009, 22, 800-808.	2.6	55
77	The geographical patterns of symbiont diversity in the invasive legume <i><scp>M</scp>imosa pudica</i> can be explained by the competitiveness of its symbionts and by the host genotype. Environmental Microbiology, 2014, 16, 2099-2111.	3.8	55
78	Rhizobium altiplani sp. nov., isolated from effective nodules on Mimosa pudica growing in untypically alkaline soil in central Brazil. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 4118-4124.	1.7	52
79	Characterization of the papilionoidâ€“ Burkholderia interaction in the Fynbos biome: The diversity and distribution of beta-rhizobia nodulating Podalyria calyptrata (Fabaceae, Podalyrieae). Systematic and Applied Microbiology, 2016, 39, 41-48.	2.8	51
80	Defining the Rhizobium leguminosarum Species Complex. Genes, 2021, 12, 111.	2.4	48
81	Burkholderia dipogonis sp. nov., isolated from root nodules of Dipogon lignosus in New Zealand and Western Australia. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 4716-4723.	1.7	48
82	Nitrogenâ€fixing stem nodules of the Legume, Discolobium pulchellum Benth.. New Phytologist, 1994, 128, 283-295.	7.3	46
83	Characterization of Genomic Clones and Expression Analysis of the Three Types of Superoxide Dismutases During Nodule Development in Lotus japonicus. Molecular Plant-Microbe Interactions, 2007, 20, 262-275.	2.6	46
84	Brazilian species of Calliandra Benth. (tribe Ingeae) are nodulated by diverse strains of Paraburkholderia. Systematic and Applied Microbiology, 2018, 41, 241-250.	2.8	46
85	Selection of Bradyrhizobium or Ensifer symbionts by the native Indian caesalpinioid legume Chamaecrista pumila depends on soil pH and other edaphic and climatic factors. FEMS Microbiology Ecology, 2018, 94, .	2.7	46
86	Stem and root nodules on the tropical wetland legume Aeschynomene fluminensis. New Phytologist, 1995, 130, 531-544.	7.3	45
87	A rhamnose-deficient lipopolysaccharide mutant of<i>Rhizobium</i>sp. IRBG74 is defective in root colonization and beneficial interactions with its flooding-tolerant hosts<i>Sesbania cannabina</i>and wetland rice. Journal of Experimental Botany, 2016, 67, 5869-5884.	4.8	45
88	Plant hemoglobins may be maintained in functional form by reduced flavins in the nuclei, and confer differential tolerance to nitroâ€oxidative stress. Plant Journal, 2013, 76, 875-887.	5.7	44
89	Function of glutathione peroxidases in legume root nodules. Journal of Experimental Botany, 2015, 66, 2979-2990.	4.8	44
90	Conditional sanctioning in a legumeâ€“ <i>Rhizobium</i> mutualism. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	44

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91	The Sinorhizobium meliloti LpxXL and AcpXL Proteins Play Important Roles in Bacteroid Development within Alfalfa. Journal of Bacteriology, 2009, 191, 4681-4686.	2.2	43
92	The oilâ€contaminated soil diazotroph <i><scp>A</scp>zoarcus olearius</i><scp>DQS</scp>â€4^T is genetically and phenotypically similar to the model grass endophyte <i><scp>A</scp>zoarcus</i> sp. <scp>BH</scp>72. Environmental Microbiology Reports, 2017, 9, 223-238.	2.4	42
93	Potato tuber pectin structure is influenced by pectin methyl esterase activity and impacts on cooked potato texture. Journal of Experimental Botany, 2011, 62, 371-381.	4.8	39
94	Nodulation in Dimorphandra wilsonii Rizz. (Caesalpinioideae), a Threatened Species Native to the Brazilian Cerrado. PLoS ONE, 2012, 7, e49520.	2.5	38
95	Azoarcus olearius sp. nov., a nitrogen-fixing bacterium isolated from oil-contaminated soil. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 3755-3761.	1.7	38
96	Time-course of changes involved in the operation of the oxygen diffusion barrier in white lupin nodules. Journal of Experimental Botany, 1995, 46, 565-575.	4.8	36
97	Phylogenetic assignment and mechanism of action of a crop growth promoting Rhizobium radiobacter strain used as a biofertiliser on graminaceous crops in Russia. Antonie Van Leeuwenhoek, 2007, 91, 105-113.	1.7	36
98	Comparisons of biological nitrogen fixation in association with white clover (Trifolium repens L.) under four fertiliser nitrogen inputs as measured using two 15N techniques. Plant and Soil, 2014, 385, 287-302.	3.7	36
99	Formulation of a Highly Effective Inoculant for Common Bean Based on an Autochthonous Elite Strain of Rhizobium leguminosarum bv. phaseoli, and Genomic-Based Insights Into Its Agronomic Performance. Frontiers in Microbiology, 2019, 10, 2724.	3.5	36
100	Diverse genotypes of Bradyrhizobium nodulate herbaceous Chamaecrista (Moench) (Fabaceae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	2.8	34
101	Regulon Studies and <i>In Planta</i> Role of the BraI/R Quorum-Sensing System in the Plant-Beneficial Burkholderia Cluster. Applied and Environmental Microbiology, 2013, 79, 4421-4432.	3.1	32
102	A plant chitinase controls cortical infection thread progression and nitrogen-fixing symbiosis. ELife, 2018, 7, .	6.0	32
103	Photosystem II and oxygen regulation in Sesbania rostrata stem nodules. Plant, Cell and Environment, 1996, 19, 895-910.	5.7	30
104	Labrys neptuniae sp. nov., isolated from root nodules of the aquatic legume Neptunia oleracea. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 577-581.	1.7	30
105	Immunolocalization of antioxidant enzymes in highâ€pressure frozen root and stem nodules of <i>Sesbania rostrata</i>. New Phytologist, 2009, 183, 395-407.	7.3	28
106	Phytoglobins in the nuclei, cytoplasm and chloroplasts modulate nitric oxide signaling and interact with abscisic acid. Plant Journal, 2019, 100, 38-54.	5.7	28
107	Interaction between rhizobia and potato tissues10. Journal of Experimental Botany, 1994, 45, 1475-1482.	4.8	26
108	LYS12 LysM receptor deceleratesPhytophthora palmivoradisease progression inLotus japonicus. Plant Journal, 2018, 93, 297-310.	5.7	26

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109	Distinct signaling routes mediate intercellular and intracellular rhizobial infection in<i>Lotus japonicus</i>. Plant Physiology, 2021, 185, 1131-1147.	4.8	26
110	The Effect of Irradiance on the Recovery of Soybean Nodules from Sodium Chloride-Induced Senescence. Journal of Experimental Botany, 1993, 44, 997-1005.	4.8	25
111	Molecular Cloning, Functional Characterization, and Subcellular Localization of Soybean Nodule Dihydrolipoamide Reductase,. Plant Physiology, 2002, 128, 300-313.	4.8	25
112	Adsorption and anchoring of Azospirillumstrains to roots of wheat seedlings. Plant and Soil, 2002, 246, 151-166.	3.7	25
113	Legumeâ€“rhizobial symbiosis: an anorexic model?. New Phytologist, 2008, 179, 3-5.	7.3	25
114	Molecular characterization of novel Bradyrhizobium strains nodulating Eriosema chinense and Flemingia vestita , important unexplored native legumes of the sub-Himalayan region (Meghalaya) of India. Systematic and Applied Microbiology, 2017, 40, 334-344.	2.8	25
115	Partial Complementation of Sinorhizobium meliloti bacA Mutant Phenotypes by the Mycobacterium tuberculosis BacA Protein. Journal of Bacteriology, 2013, 195, 389-398.	2.2	24
116	Multi locus sequence analysis and symbiotic characterization of novel Ensifer strains nodulating Tephrosia spp. in the Indian Thar Desert. Systematic and Applied Microbiology, 2016, 39, 534-545.	2.8	24
117	The role of biological nitrogen fixation by non-legumes in the sustainable production of food and biofuels. Plant and Soil, 2012, 356, 1-3.	3.7	23
118	Rhizobia with 16S rRNA and nifH Similar to Mesorhizobium huakuii but Novel recA, glnII, nodA and nodC Genes Are Symbionts of New Zealand Carmichaelinae. PLoS ONE, 2012, 7, e47677.	2.5	23
119	An ELISA Procedure for Quantification of Relative Amounts of Intercellular Glycoprotein in Legume Nodules. Annals of Botany, 1993, 71, 85-90.	2.9	22
120	Nitrogen Fixation in Rice. , 2002, , 421-445.		22
121	Thiol synthetases of legumes: immunogold localization and differential gene regulation by phytohormones. Journal of Experimental Botany, 2012, 63, 3923-3934.	4.8	22
122	Interdependency of efficient nodulation and arbuscular mycorrhization in<i>Piptadenia gonoacantha,</i>a Brazilian legume tree. Plant, Cell and Environment, 2018, 41, 2008-2020.	5.7	21
123	The Sinorhizobium meliloti MsbA2 protein is essential for the legume symbiosis. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Ov	1.8	20
124	Paraburkholderia youngii sp. nov. and â€˜Paraburkholderia atlanticaâ€™ â€“ Brazilian and Mexican Mimosa-associated rhizobia that were previously known as Paraburkholderia tuberum sv. mimosae. Systematic and Applied Microbiology, 2021, 44, 126152.	2.8	20
125	Photosynthetic oxygen evolution within Sesbania rostrata stem nodules. Plant Journal, 2002, 13, 29-38.	5.7	19
126	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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127	The widely distributed legume tree Vachellia (Acacia) nilotica subsp. indica is nodulated by genetically diverse Ensifer strains in India. Symbiosis, 2020, 80, 15-31.	2.3	16
128	Comparative Genomics Provides Insights into the Taxonomy of Azoarcus and Reveals Separate Origins of Nif Genes in the Proposed Azoarcus and Aromatoleum Genera. Genes, 2021, 12, 71.	2.4	16
129	Expression and Localization of a <i>Rhizobium</i>-Derived Cambialistic Superoxide Dismutase in Pea (<i>Pisum sativum</i>) Nodules Subjected to Oxidative Stress. Molecular Plant-Microbe Interactions, 2011, 24, 1247-1257.	2.6	14
130	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
131	Trinickia dabaoshanensis sp. nov., a new name for a lost species. Archives of Microbiology, 2019, 201, 1313-1316.	2.2	14
132	Genomic diversity of chickpea-nodulating rhizobia in Ningxia (north central China) and gene flow within symbiotic Mesorhizobium muleiense populations. Systematic and Applied Microbiology, 2020, 43, 126089.	2.8	14
133	Effect of oxygen availability on nitrogen fixation by two Lotus species under flooded conditions. Journal of Experimental Botany, 1998, 49, 599-609.	4.8	14
134	Detopping causes production of intercellular space occlusions in both the cortex and infected region of soybean nodules. Plant, Cell and Environment, 2000, 23, 377-386.	5.7	12
135	Genomic Diversity of Pigeon Pea (Cajanus cajan L. Millsp.) Endosymbionts in India and Selection of Potential Strains for Use as Agricultural Inoculants. Frontiers in Plant Science, 2021, 12, 680981.	3.6	12
136	Phylogenetic diversity and plant growth-promoting activities of rhizobia nodulating fenugreek (Trigonella foenum-graecum Linn.) cultivated in different agroclimatic regions of India. FEMS Microbiology Ecology, 2022, , .	2.7	12
137	The Biology of Legumes and Their Agronomic, Economic, and Social Impact. , 2020, , 3-25.		11
138	Mesorhizobium carmichaelinearum sp. nov., isolated from Carmichaelineae spp. root nodules. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 146-152.	1.7	11
139	Fields with no recent legume cultivation have sufficient nitrogen-fixing rhizobia for crops of faba bean (Vicia faba L.). Plant and Soil, 2022, 472, 345-368.	3.7	11
140	Biosynthesis of branched-chain amino acids is essential for effective symbioses between betarhizobia and Mimosa pudica. Microbiology (United Kingdom), 2012, 158, 1758-1766.	1.8	10
141	Nitrogen fixation by legumes in flooded regions. Oecologia Brasiliensis, 1998, 04, 195-233.	0.5	10
142	Nodulation and ecological significance of indigenous legumes in Scotland and Sweden. Symbiosis, 2012, 57, 133-148.	2.3	9
143	Beneficial microorganisms in agriculture: the future of plant growth-promoting rhizobacteria. Plant and Soil, 2020, 451, 1-3.	3.7	9
144	The development and structure of root nodules on bambara groundnut [Voandzeia (Vigna)subterranea]. World Journal of Microbiology and Biotechnology, 1998, 14, 177-184.	3.6	8

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145	An Alkane Sulfonate Monooxygenase Is Required for Symbiotic Nitrogen Fixation by <i>Bradyrhizobium diazoefficiens</i> (syn. Bradyrhizobium japonicum) USDA110 ^T. Applied and Environmental Microbiology, 2019, 85, .	3.1	8
146	Reliable quantification of N2 fixation by non-legumes remains problematic. Nutrient Cycling in Agroecosystems, 2020, 118, 223-225.	2.2	8
147	Temporal Relationships between Nitrogenase and Intercellular Glycoprotein in Developing White Lupin Nodules. Annals of Botany, 1997, 79, 493-503.	2.9	8
148	Towards a characterisation of the wild legume bitter vetch (<i>Lathyrus linifolius</i> L. (Reichard)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Plant Biology, 2019, 21, 523-532.	3.8	7
149	Effect of phosphoglycerate mutase and fructose 1,6-bisphosphatase deficiency on symbiotic Burkholderia phymatum. Microbiology (United Kingdom), 2012, 158, 1127-1136.	1.8	6
150	Improving crop mineral nutrition. Plant and Soil, 2014, 384, 1-5.	3.7	6
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