J Peter W Young

List of Publications by Citations

166 papers	13,738 citations	60 h-index	115 g-index
178 ext. papers	15,782 ext. citations	6.1 avg, IF	6.22 L-index

#	Paper	IF	Citations
166	Ploughing up the wood-wide web?. *Nature*, **1998**, 394, 431	50.4	732
165	The role of ecological theory in microbial ecology. *Nature Reviews Microbiology*, **2007**, 5, 384-92	22.2	643
164	Genome of an arbuscular mycorrhizal fungus provides insight into the oldest plant symbiosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 20117-22	11.5	499
163	Improved PCR primers for the detection and identification of arbuscular mycorrhizal fungi. *FEMS Microbiology Ecology*, **2008**, 65, 339-49	4.3	463
162	The genome of Rhizobium leguminosarum has recognizable core and accessory components. *Genome Biology*, **2006**, 7, R34	18.3	421
161	Molecular diversity of arbuscular mycorrhizal fungi colonising arable crops. *FEMS Microbiology Ecology*, **2001**, 36, 203-209	4.3	398
160	Selectivity and functional diversity in arbuscular mycorrhizas of co-occurring fungi and plants from a temperate deciduous woodland. *Journal of Ecology*, **2002**, 90, 371-384	6	362
159	Co-existing grass species have distinctive arbuscular mycorrhizal communities. *Molecular Ecology*, **2003**, 12, 3085-95	5.7	353
158	Arbuscular mycorrhizal community composition associated with two plant species in a grassland ecosystem. *Molecular Ecology*, **2002**, 11, 1555-64	5.7	350
157	Diversity of fungal symbionts in arbuscular mycorrhizas from a natural community. *New Phytologist*, **1995**, 130, 259-265	9.8	336
156	Extensive fungal diversity in plant roots. *Science*, **2002**, 295, 2051	33.3	319
155	Molecular diversity of arbuscular mycorrhizal fungi and patterns of host association over time and space in a tropical forest. *Molecular Ecology*, **2002**, 11, 2669-78	5.7	296
154	Plant communities affect arbuscular mycorrhizal fungal diversity and community composition in grassland microcosms. *New Phytologist*, **2004**, 161, 503-515	9.8	287
153	Legume-nodulating betaproteobacteria: diversity, host range, and future prospects. *Molecular Plant-Microbe Interactions*, **2011**, 24, 1276-88	3.6	269
152	The transcriptome of the arbuscular mycorrhizal fungus Glomus intraradices (DAOM 197198) reveals functional tradeoffs in an obligate symbiont. *New Phytologist*, **2012**, 193, 755-769	9.8	262
151	Introducing the bacterial 'chromid': not a chromosome, not a plasmid. *Trends in Microbiology*, **2010**, 18, 141-8	12.4	249
150	Diversity and phylogeny of rhizobia. *New Phytologist*, **1996**, 133, 87-94	9.8	244

149	Three phylogenetic groups of nodA and nifH genes in Sinorhizobium and Mesorhizobium isolates from leguminous trees growing in Africa and Latin America. *Applied and Environmental Microbiology* , **1998**, 64, 419-26	4.8	240
148	Nonlegumes, legumes, and root nodules harbor different arbuscular mycorrhizal fungal communities. *Applied and Environmental Microbiology*, **2004**, 70, 6240-6	4.8	215
147	Burkholderia species are ancient symbionts of legumes. *Molecular Ecology*, **2010**, 19, 44-52	5.7	185
146	The glutamine synthetases of rhizobia: phylogenetics and evolutionary implications. *Molecular Biology and Evolution*, **2000**, 17, 309-19	8.3	180
145	Active root-inhabiting microbes identified by rapid incorporation of plant-derived carbon into RNA. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 16970-5	11.5	177
144	Symbiosis within Symbiosis: Evolving Nitrogen-Fixing Legume Symbionts. *Trends in Microbiology*, **2016**, 24, 63-75	12.4	173
143	Molecular diversity of arbuscular mycorrhizal fungi colonising Hyacinthoides non-scripta (bluebell) in a seminatural woodland. *Molecular Ecology*, **1999**, 8, 659-666	5.7	172
142	Diversity of the ribosomal internal transcribed spacers within and among isolates of Glomus mosseae and related mycorrhizal fungi. *New Phytologist*, **1996**, 133, 103-111	9.8	150
141	Differentiation of Pseudomonas solanacearum, Pseudomonas syzygii, Pseudomonas pickettii and the Blood Disease Bacterium by partial 16S rRNA sequencing: construction of oligonucleotide primers for sensitive detection by polymerase chain reaction. *Journal of General Microbiology*, **1993**, 139, 1587-94		148
140	Diversity and specificity of Rhizobium leguminosarum biovar viciae on wild and cultivated legumes. *Molecular Ecology*, **2004**, 13, 2435-44	5.7	141
139	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, 7461-71	4.8	139
138	Nodulation and nitrogen fixation by Mimosa spp. in the Cerrado and Caatinga biomes of Brazil. *New Phytologist*, **2010**, 186, 934-946	9.8	133
137	Nodulation of Cyclopia spp. (Leguminosae, Papilionoideae) by Burkholderia tuberum. *Annals of Botany*, **2007**, 100, 1403-11	4.1	131
136	Specificity and resilience in the arbuscular mycorrhizal fungi of a natural woodland community. *Journal of Ecology*, **2007**, 95, 623-630	6	124
135	Impact of soil warming and shading on colonization and community structure of arbuscular mycorrhizal fungi in roots of a native grassland community. *Global Change Biology*, **2004**, 10, 52-64	11.4	113
134	Burkholderia spp. are the most competitive symbionts of Mimosa, particularly under N-limited conditions. *Environmental Microbiology*, **2009**, 11, 762-78	5.2	107
133	The evolution of specificity in the legume-rhizobium symbiosis. *Trends in Ecology and Evolution*, **1989**, 4, 341-9	10.9	101
132	Temporal variation in the arbuscular mycorrhizal communities colonising seedlings in a tropical forest. *FEMS Microbiology Ecology*, **2002**, 42, 131-6	4.3	99

131	Biodiversity of rhizobia isolated from a wide range of forest legumes in Brazil. *Molecular Ecology*, **1998**, 7, 889-95	5.7	98
130	Higher diversity of Rhizobium leguminosarum biovar viciae populations in arable soils than in grass soils. *Applied and Environmental Microbiology*, **2000**, 66, 2445-50	4.8	97
129	Burkholderia sabiae sp. nov., isolated from root nodules of Mimosa caesalpiniifolia. *International Journal of Systematic and Evolutionary Microbiology*, **2008**, 58, 2174-9	2.2	94
128	Minimal standards for the description of new genera and species of rhizobia and agrobacteria. *International Journal of Systematic and Evolutionary Microbiology*, **2019**, 69, 1852-1863	2.2	94
127	Bacterial genospecies that are not ecologically coherent: population genomics of Rhizobium leguminosarum. *Open Biology*, **2015**, 5, 140133	7	93
126	Ribosomal small subunit sequence variation within spores of an arbuscular mycorrhizal fungus, Scutellospora sp. *Molecular Ecology*, **1999**, 8, 915-21	5.7	93
125	Establishment, persistence and effectiveness of arbuscular mycorrhizal fungal inoculants in the field revealed using molecular genetic tracing and measurement of yield components. *New Phytologist*, **2012**, 194, 810-822	9.8	87
124	The mitochondrial genome sequence of the arbuscular mycorrhizal fungus Glomus intraradices isolate 494 and implications for the phylogenetic placement of Glomus. *New Phytologist*, **2009**, 183, 200-211	9.8	82
123	Nodulation of Sesbania species by Rhizobium (Agrobacterium) strain IRBG74 and other rhizobia. *Environmental Microbiology*, **2009**, 11, 2510-25	5.2	81
122	Substrate induction and glucose repression of maltose utilization by Streptomyces coelicolor A3(2) is controlled by malR, a member of the lacI-galR family of regulatory genes. *Molecular Microbiology*, **1997**, 23, 537-49	4.1	76
121	Burkholderia diazotrophica sp. nov., isolated from root nodules of Mimosa spp. *International Journal of Systematic and Evolutionary Microbiology*, **2013**, 63, 435-441	2.2	75
120	Sib competition can favour sex in two ways. *Journal of Theoretical Biology*, **1981**, 88, 755-6	2.3	75
119	Relationship between assemblages of mycorrhizal fungi and bacteria on grass roots. *Environmental Microbiology*, **2008**, 10, 534-41	5.2	73
118	Mesorhizobium septentrionale sp. nov. and Mesorhizobium temperatum sp. nov., isolated from Astragalus adsurgens growing in the northern regions of China. *International Journal of Systematic and Evolutionary Microbiology*, **2004**, 54, 2003-2012	2.2	71
117	Genetic and symbiotic characterization of rhizobia isolated from tree and herbaceous legumes grown in soils from ecologically diverse sites in Kenya. *Soil Biology and Biochemistry*, **2002**, 34, 801-811	7.5	71
116	Horizontal Transfer of Symbiosis Genes within and Between Rhizobial Genera: Occurrence and Importance. *Genes*, **2018**, 9,	4.2	70
115	An invasive Mimosa in India does not adopt the symbionts of its native relatives. *Annals of Botany*, **2013**, 112, 179-96	4.1	70
114	Effects of long-term fertilization on AM fungal community structure and Glomalin-related soil protein in the Loess Plateau of China. *Plant and Soil*, **2011**, 342, 233-247	4.2	70

113	Phylogeny of the Glomerales and Diversisporales (fungi: Glomeromycota) from actin and elongation factor 1-alpha sequences. *FEMS Microbiology Letters*, **2003**, 229, 127-32	2.9	68
112	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	2.2	67
111	Real-time PCR and microscopy: are the two methods measuring the same unit of arbuscular mycorrhizal fungal abundance?. *Fungal Genetics and Biology*, **2008**, 45, 581-96	3.9	67
110	Chickpea rhizobia symbiosis genes are highly conserved across multiple Mesorhizobium species. *FEMS Microbiology Ecology*, **2008**, 66, 391-400	4.3	63
109	Population mixing of Rhizobium leguminosarum bv. viciae nodulating Vicia faba: the role of recombination and lateral gene transfer. *FEMS Microbiology Ecology*, **2010**, 73, 563-76	4.3	62
108	Interactions betweenPseudomonas fluorescensbiocontrol agents andGlomus mosseae, an arbuscular mycorrhizal fungus, within the rhizosphere. *FEMS Microbiology Letters*, **1998**, 166, 297-303	2.9	62
107	Quantification of an arbuscular mycorrhizal fungus, Glomus mosseae, within plant roots by competitive polymerase chain reaction. *Mycological Research*, **1997**, 101, 1440-1444		57
106	A common genomic framework for a diverse assembly of plasmids in the symbiotic nitrogen fixing bacteria. *PLoS ONE*, **2008**, 3, e2567	3.7	57
105	Rhizobium Population Genetics: Enzyme Polymorphism in Rhizobium leguminosarum from Plants and Soil in a Pea Crop. *Applied and Environmental Microbiology*, **1987**, 53, 397-402	4.8	56
104	Identification of roots from grass swards using PCR-RFLP and FFLP of the plastid trnL (UAA) intron. *BMC Ecology*, **2003**, 3, 8	2.7	55
103	Endemic Mimosa species from Mexico prefer alphaproteobacterial rhizobial symbionts. *New Phytologist*, **2016**, 209, 319-33	9.8	55
102	A diverse population of introns in the nuclear ribosomal genes of ericoid mycorrhizal fungi includes elements with sequence similarity to endonuclease-coding genes. *Molecular Biology and Evolution*, **2000**, 17, 44-59	8.3	54
101	Invasive Robinia pseudoacacia in China is nodulated by Mesorhizobium and Sinorhizobium species that share similar nodulation genes with native American symbionts. *FEMS Microbiology Ecology*, **2009**, 68, 320-8	4.3	53
100	Rhizobium anhuiense sp. nov., isolated from effective nodules of Vicia faba and Pisum sativum. *International Journal of Systematic and Evolutionary Microbiology*, **2015**, 65, 2960-2967	2.2	52
99	Azorhizobium doebereinerae sp. Nov. Microsymbiont of Sesbania virgata (Caz.) Pers. *Systematic and Applied Microbiology*, **2006**, 29, 197-206	4.2	51
98	High diversity of chickpea Mesorhizobium species isolated in a Portuguese agricultural region. *FEMS Microbiology Ecology*, **2004**, 48, 101-7	4.3	50
97	The common nodulation genes of Astragalus sinicus rhizobia are conserved despite chromosomal diversity. *Applied and Environmental Microbiology*, **2000**, 66, 2988-95	4.8	50
96	Multilocus sequence analysis reveals multiple symbiovars within Mesorhizobium species. *Systematic and Applied Microbiology*, **2012**, 35, 359-67	4.2	48

95	Modafinil in the treatment of idiopathic hypersomnia without long sleep time--a randomized, double-blind, placebo-controlled study. *Journal of Sleep Research*, **2015**, 24, 74-81	5.8	47
94	Morphogenesis of the compound leaf in three genotypes of the pea, Pisum sativum. *Canadian Journal of Botany*, **1986**, 64, 1268-1276		47
93	Mesorhizobium alhagi sp. nov., isolated from wild Alhagi sparsifolia in north-western China. *International Journal of Systematic and Evolutionary Microbiology*, **2010**, 60, 958-962	2.2	45
92	Diversity of Sinorhizobium meliloti from the Central Asian Alfalfa Gene Center. *Applied and Environmental Microbiology*, **2002**, 68, 4694-7	4.8	44
91	T-RFLP analysis of bacterial communities in the midguts of Apis mellifera and Apis cerana honey bees in Thailand. *FEMS Microbiology Ecology*, **2012**, 79, 273-81	4.3	43
90	Distribution of repC plasmid-replication sequences among plasmids and isolates of Rhizobium leguminosarum bv. viciae from field populations. *Microbiology (United Kingdom)*, **1998**, 144, 771-780	2.9	42
89	Bradyrhizobium guangdongense sp. nov. and Bradyrhizobium guangxiense sp. nov., isolated from effective nodules of peanut. *International Journal of Systematic and Evolutionary Microbiology*, **2015**, 65, 4655-4661	2.2	42
88	Average nucleotide identity of genome sequences supports the description of Rhizobium lentis sp. nov., Rhizobium bangladeshense sp. nov. and Rhizobium binae sp. nov. from lentil (Lens culinaris) nodules. *International Journal of Systematic and Evolutionary Microbiology*, **2015**, 65, 3037-3045	2.2	41
87	Biochemical characterization of "LAP," a polymorphic aminopeptidase from the blue mussel, Mytilus edulis. *Biochemical Genetics*, **1979**, 17, 305-23	2.4	40
86	Increased sequencing depth does not increase captured diversity of arbuscular mycorrhizal fungi. *Mycorrhiza*, **2017**, 27, 761-773	3.9	39
85	Effect of rice cultivation systems on indigenous arbuscular mycorrhizal fungal community structure. *Microbes and Environments*, **2013**, 28, 316-24	2.6	39
84	Burkholderia sp. induces functional nodules on the South African invasive legume Dipogon lignosus (Phaseoleae) in New Zealand soils. *Microbial Ecology*, **2014**, 68, 542-55	4.4	38
83	Population genomics of Sinorhizobium medicae based on low-coverage sequencing of sympatric isolates. *ISME Journal*, **2011**, 5, 1722-34	11.9	37
82	Direct amplification of nodD from community DNA reveals the genetic diversity of Rhizobium leguminosarum in soil. *Environmental Microbiology*, **2001**, 3, 363-70	5.2	37
81	Complete Genome sequence of Burkholderia phymatum STM815(T), a broad host range and efficient nitrogen-fixing symbiont of Mimosa species. *Standards in Genomic Sciences*, **2014**, 9, 763-74		36
80	What does a bacterial genome sequence represent? Mis-assignment of MAFF 303099 to the genospecies Mesorhizobium loti. *Microbiology (United Kingdom)*, **2002**, 148, 3330-3331	2.9	36
79	Symbiotic and genetic diversity of Rhizobium galegae isolates collected from the Galega orientalis gene center in the Caucasus. *Applied and Environmental Microbiology*, **2003**, 69, 1067-74	4.8	35
78	The replicator region of the Rhizobium leguminosarum cryptic plasmid pRL8JI. *FEMS Microbiology Letters*, **1995**, 133, 53-8	2.9	35

77	Slipins: ancient origin, duplication and diversification of the stomatin protein family. *BMC Evolutionary Biology*, **2008**, 8, 44	3	33
76	dnaJ is a useful phylogenetic marker for alphaproteobacteria. *International Journal of Systematic and Evolutionary Microbiology*, **2008**, 58, 2839-49	2.2	33
75	A genetic discontinuity in root-nodulating bacteria of cultivated pea in the Indian trans-Himalayas. *Molecular Ecology*, **2012**, 21, 145-59	5.7	32
74	Mesorhizobium camelthorni sp. nov., isolated from Alhagi sparsifolia. *International Journal of Systematic and Evolutionary Microbiology*, **2011**, 61, 574-579	2.2	31
73	Defining functional diversity for lignocellulose degradation in a microbial community using multi-omics studies. *Biotechnology for Biofuels*, **2018**, 11, 166	7.8	29
72	Genetic and genomic glimpses of the elusive arbuscular mycorrhizal fungi. *Current Opinion in Plant Biology*, **2012**, 15, 454-61	9.9	29
71	A distinct class of peas (Pisum sativum L.) from Afghanistan that show strain specificity for symbiotic Rhizobium. *Heredity*, **1982**, 48, 203-210	3.6	29
70	Phylogeny of bethylid wasps (Hymenoptera: Bethylidae) inferred from 28S and 16S rRNA genes. *Insect Systematics and Evolution*, **2010**, 41, 55-73	0.6	28
69	A search for peas (Pisum sativum L.) showing strain specificity for symbiotic Rhizobium leguminosarum. *Heredity*, **1982**, 48, 197-201	3.6	28
68	Sequence diversity of the plasmid replication gene repC in the Rhizobiaceae. *Plasmid*, **2000**, 44, 209-19	3.3	27
67	A typing scheme for the honeybee pathogen Melissococcus plutonius allows detection of disease transmission events and a study of the distribution of variants. *Environmental Microbiology Reports*, **2013**, 5, 525-9	3.7	26
66	Characterisation of rhizobia from African acacias and other tropical woody legumes using Biolog and partial 16S rRNA sequencing. *FEMS Microbiology Letters*, **1999**, 170, 111-117	2.9	26
65	Coordinated regulation of core and accessory genes in the multipartite genome of Sinorhizobium fredii. *PLoS Genetics*, **2018**, 14, e1007428	6	25
64	Genotypic characterisation of rhizobia nodulating Vicia faba from the soils of Jordan: a comparison with UK isolates. *Soil Biology and Biochemistry*, **2003**, 35, 709-714	7.5	25
63	How many fungi does it take to change a plant community?. *Trends in Plant Science*, **1999**, 4, 81-82	13.1	25
62	Evolutionary dynamics of insertion sequences in relation to the evolutionary histories of the chromosome and symbiotic plasmid genes of Rhizobium etli populations. *Applied and Environmental Microbiology*, **2010**, 76, 6504-13	4.8	24
61	Sexual swarms in Daphnia magna, a cyclic parthenogen. *Freshwater Biology*, **1978**, 8, 279-281	3.1	24
60	Host-specific competitiveness to form nodules in Rhizobium leguminosarum symbiovar viciae. *New Phytologist*, **2020**, 226, 555-568	9.8	24

59	Genome diversity in arbuscular mycorrhizal fungi. *Current Opinion in Plant Biology*, **2015**, 26, 113-9	9.9	23
58	Revealing the insoluble metasecretome of lignocellulose-degrading microbial communities. *Scientific Reports*, **2017**, 7, 2356	4.9	23
57	DNA-based Identification of Goose Species from Two Archaeological Sites in Lincolnshire. *Journal of Archaeological Science*, **2000**, 27, 91-100	2.9	23
56	Bacteria Are Smartphones and Mobile Genes Are Apps. *Trends in Microbiology*, **2016**, 24, 931-932	12.4	23
55	Rhizobium leguminosarum is the symbiont of lentils in the Middle East and Europe but not in Bangladesh. *FEMS Microbiology Ecology*, **2014**, 87, 64-77	4.3	22
54	Genome sequencing of two Neorhizobium galegae strains reveals a noeT gene responsible for the unusual acetylation of the nodulation factors. *BMC Genomics*, **2014**, 15, 500	4.5	22
53	Diversity and persistence of arbuscular mycorrhizas in a low-Arctic meadow habitat. *New Phytologist*, **2007**, 176, 691-698	9.8	22
52	A molecular guide to the taxonomy of arbuscular mycorrhizal fungi. *New Phytologist*, **2012**, 193, 823-826	9.8	20
51	Acquisition of an Agrobacterium Ri plasmid and pathogenicity by other alpha-Proteobacteria in cucumber and tomato crops affected by root mat. *Applied and Environmental Microbiology*, **2004**, 70, 2779-85	4.8	20
50	Molecular diversity of Frankia in root nodules of Alnus incana grown with inoculum from polluted urban soils. *FEMS Microbiology Ecology*, **2004**, 50, 255-63	4.3	20
49	Rhizobium etli is the dominant common bean nodulating rhizobia in cultivated soils from different locations in Jordan. *Applied Soil Ecology*, **2004**, 26, 193-200	5	20
48	Rhizobium population genetics: Effect of clover variety and inoculum dilution on the genetic diversity sampled from natural populations. *Plant and Soil*, **1987**, 103, 147-150	4.2	20
47	International Committee on Systematics of Prokaryotes Subcommittee for the Taxonomy of Rhizobium and Agrobacterium Minutes of the meeting, Budapest, 25 August 2016. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 2485-2494	2.2	20
46	Defining the Species Complex. *Genes*, **2021**, 12,	4.2	19
45	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	3.7	17
44	Rhizobium population genetics: Host preference and strain competition effects on the range of Rhizobium leguminosarum biovar Trifolii genotypes isolated from natural populations. *Soil Biology and Biochemistry*, **1989**, 21, 981-986	7.5	16
43	Symbiosis genes show a unique pattern of introgression and selection within a species complex. *Microbial Genomics*, **2020**, 6,	4.4	15
42	A new clade of Mesorhizobium nodulating Alhagi sparsifolia. *Systematic and Applied Microbiology*, **2009**, 32, 8-16	4.2	14

41	The genetic diversity of intraterrestrial aliens. *New Phytologist*, **2008**, 178, 465-8	9.8	14
40	Recurrent outbreaks of root mat in cucumber and tomato are associated with a monomorphic, cucumopine, Ri-plasmid harboured by various Alphaproteobacteria. *FEMS Microbiology Letters*, **2006**, 258, 136-43	2.9	14
39	Arbuscular mycorrhizal communities associated with maples (Acer spp.) in a common garden are influenced by season and host plant. *Botany*, **2014**, 92, 321-326	1.3	13
38	Modification of Pea Leaf Morphology by 2,3,5-Triiodobenzoic Acid. *Botanical Gazette*, **1991**, 152, 133-138		13
37	Identification and analysis of rhizobial plasmid origins of transfer. *FEMS Microbiology Ecology*, **2002**, 42, 227-34	4.3	11
36	L-System Analysis of Compound Leaf Development in Pisum sativum L. *Annals of Botany*, **1992**, 70, 189-196	4.1	11
35	Characterization of arbuscular mycorrhizal fungus communities of Aquilaria crassna and Tectona grandis roots and soils in Thailand plantations. *PLoS ONE*, **2014**, 9, e112591	3.7	11
34	Ecology and Evolution of Rhizobia **2019**,		11
33	The NfeD protein family and its conserved gene neighbours throughout prokaryotes: functional implications for stomatin-like proteins. *Journal of Molecular Evolution*, **2009**, 69, 657-67	3.1	10
32	Kissing cousins: mycorrhizal fungi get together. *New Phytologist*, **2009**, 181, 751-753	9.8	10
31	The determination of pea leaves, leaflets, and tendrils. *American Journal of Botany*, **1994**, 81, 352-360	2.7	10
30	Linkage of sym-2, the symbiotic specificity locus of Pisum sativum. *Journal of Heredity*, **1985**, 76, 207-208	2.4	9
29	International Committee on Systematics of Prokaryotes Subcommittee on the taxonomy of rhizobia and agrobacteria Minutes of the closed meeting, Granada, 4 September 2017. *International Journal of Systematic and Evolutionary Microbiology*, **2018**, 68, 3363-3368	2.2	9
28	User-friendly bioinformatics pipeline gDAT (graphical downstream analysis tool) for analysing rDNA sequences. *Molecular Ecology Resources*, **2021**, 21, 1380-1392	8.4	8
27	Induction of root-mat symptoms on cucumber plants by Rhizobium, but not by Ochrobactrum or Sinorhizobium, harbouring a cucumopine Ri plasmid. *Plant Pathology*, **2005**, 54, 799-805	2.8	7
26	Does growth rate determine leaf form in Pisum sativum?. *Canadian Journal of Botany*, **1989**, 67, 2590-2595		7
25	The determination of pea leaves, leaflets, and tendrils **1994**, 81, 352		7
24	Maximizing the Adjacent Possible in Automata Chemistries. *Artificial Life*, **2016**, 22, 49-75	1.4	6

23	The molecular palaeoecology of geese: identification of archaeological goose remains using ancient DNA analysis. *International Journal of Osteoarchaeology*, **1998**, 8, 280-287	1.1	5
22	International Committee on Systematics of Prokaryotes Subcommittee on the Taxonomy of Rhizobia and Agrobacteria Minutes of the meeting by video conference, 11 July 2018. *International Journal of Systematic and Evolutionary Microbiology*, **2019**, 69, 1835-1840	2.2	5
21	International Committee on Systematics of Prokaryotes Subcommittee on the Taxonomy of Rhizobia and Agrobacteria Minutes of the closed meeting by videoconference, 17 July 2019. *International Journal of Systematic and Evolutionary Microbiology*, **2020**, 70, 3563-3571	2.2	4
20	The genomic architecture of introgression among sibling species of bacteria		4
19	PLAZZMID: An Evolutionary Agent-Based Architecture Inspired by Bacteria and Bees **2007**, 1151-1160		3
18	History of Rhizobial Taxonomy **2019**, 23-39		3
17	MAUI-seq: Metabarcoding using amplicons with unique molecular identifiers to improve error correction		2
16	Molecular Microprograms. *Lecture Notes in Computer Science*, **2011**, 297-304	0.9	2
15	Symbiosis Genes: Organisation and Diversity **2019**, 123-144		2
14	Interactions between Pseudomonas fluorescens biocontrol agents and Glomus mosseae, an arbuscular mycorrhizal fungus, within the rhizosphere		2
13	Amplicons and isolates: Rhizobium diversity in fields under conventional and organic management		2
12	International Committee on Systematics of Prokaryotes Subcommittee on the Taxonomy of Rhizobia and Agrobacteria Minutes of the closed meeting by videoconference, 6 July 2020. *International Journal of Systematic and Evolutionary Microbiology*, **2021**, 71,	2.2	2
11	MAUI-seq: Metabarcoding using amplicons with unique molecular identifiers to improve error correction. *Molecular Ecology Resources*, **2021**, 21, 703-720	8.4	2
10	Genetic variation is associated with differences in facilitative and competitive interactions in the Rhizobium leguminosarum species complex. *Environmental Microbiology*, **2021**,	5.2	2
9	Gene regulation in a particle metabolome **2009**,		1
8	Why are rhizobial symbiosis genes mobile?. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2022**, 377, 20200471	5.8	1
7	Introducing a Novel, Broad Host Range Temperate Phage Family Infecting and Beyond. *Frontiers in Microbiology*, **2021**, 12, 765271	5.7	1
6	Genomics and Evolution of Rhizobia **2019**, 103-119		1

5	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	4.2	1
4	Genetic Variation in Host-Specific Competitiveness of the Symbiont Symbiovar. *Frontiers in Plant Science*, **2021**, 12, 719987	6.2	0
3	Molecular biology of the Rhizobiaceae. *New Phytologist*, **2001**, 149, 17-17	9.8	
2	Novel Mimosa-Nodulating Strains of Burkholderia from South America. *Current Plant Science and Biotechnology in Agriculture*, **2005**, 391-393		
1	Evolution of Symbiosis Genes: Vertical and Horizontal Gene Transfer **2019**, 145-152		