Matthew A Parker

List of Publications by Year
in descending order

44 papers	1,887 citations	236612 25 h-index	264894 42 g-index
44 all docs	44 docs citations	44 times ranked	1323 citing authors

#	Article	IF	Citations
1	Microvirga lupini sp. nov., Microvirga lotononidis sp. nov. and Microvirga zambiensis sp. nov. are alphaproteobacterial root-nodule bacteria that specifically nodulate and fix nitrogen with geographically and taxonomically separate legume hosts. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 2579-2588.	0.8	174
2	Coexistence of Burkholderia , Cupriavidus , and Rhizobium sp. Nodule Bacteria on two Mimosa spp. in Costa Rica. Applied and Environmental Microbiology, 2006, 72, 1198-1206.	1.4	147
3	Mutualism as a constraint on invasion success for legumes and rhizobia. Diversity and Distributions, 2001, 7, 125-136.	1.9	124
4	Growth of an invasive legume is symbiont limited in newly occupied habitats. Diversity and Distributions, 2006, 12, 563-571.	1.9	109
5	Mutualism in Metapopulations of Legumes and Rhizobia. American Naturalist, 1999, 153, S48-S60.	1.0	107
6	Prevalence of Burkholderia sp. nodule symbionts on four mimosoid legumes from Barro Colorado Island, Panama. Systematic and Applied Microbiology, 2005, 28, 57-65.	1.2	91
7	Nodule Symbiosis of Invasive Mimosa pigra in Australia and in Ancestral Habitats: A Comparative Analysis. Biological Invasions, 2007, 9, 127-138.	1.2	78
8	DIVERGENCE IN SYMBIOTIC COMPATIBILITY IN A LEGUMEâ€•BRADYRHIZOBIUM MUTUALISM. Evolution; International Journal of Organic Evolution, 1996, 50, 1470-1477.	1.1	76
9	The Spread of Bradyrhizobium Lineages Across Host Legume Clades: from Abarema to Zygia. Microbial Ecology, 2015, 69, 630-640.	1.4	75
10	Monophyly of nodA and nifH Genes across Texan and Costa Rican Populations of Cupriavidus Nodule Symbionts. Applied and Environmental Microbiology, 2007, 73, 4686-4690.	1.4	71
11	Conflicting phylogeographic patterns in rRNA and nifD indicate regionally restricted gene transfer in Bradyrhizobium a aThe GenBank accession numbers for the nifD sequences determined in this work are AF484254â€“AF484287.. Microbiology (United Kingdom), 2002, 148, 2557-2565.	0.7	69
12	NONRANDOM GENOTYPIC ASSOCIATIONS IN A LEGUMEâ€” BRADYRHIZOBIUM MUTUALISM. Evolution; International Journal of Organic Evolution, 1996, 50, 146-154.	1.1	60
13	Legumes select symbiosis island sequence variants in Bradyrhizobium. Molecular Ecology, 2012, 21, 1769-1778.	2.0	60
14	Relationships of Bradyrhizobia from the Legumes Apios americana and Desmodium glutinosum. Applied and Environmental Microbiology, 1999, 65, 4914-4920.	1.4	43
15	rRNA and nifD phylogeny of Bradyrhizobium from sites across the Pacific Basin. FEMS Microbiology Letters, 2003, 219, 159-165.	0.7	42
16	Diversity and relationships of bradyrhizobia from legumes native to eastern North America. Canadian Journal of Microbiology, 2006, 52, 1148-1157.	0.8	42
17	Novel Alphaproteobacterial Root Nodule Symbiont Associated with Lupinus texensis. Applied and Environmental Microbiology, 2007, 73, 5687-5691.	1.4	37
18	Divergent Bradyrhizobium symbionts on Tachigali versicolor from Barro Colorado Island, Panama. Systematic and Applied Microbiology, 2000, 23, 585-590.	1.2	36

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19	American origin of Cupriavidus bacteria associated with invasive Mimosa legumes in the Philippines. FEMS Microbiology Ecology, 2012, 80, 747-750.	1.3	36
20	rRNA and dnaK relationships of Bradyrhizobium sp. Nodule Bacteria from four Papilionoid legume trees in Costa Rica. Systematic and Applied Microbiology, 2004, 27, 334-342.	1.2	35
21	Disparate origins ofBradyrhizobiumsymbionts for invasive populations ofCytisus scoparius(Leguminosae) in North America. FEMS Microbiology Ecology, 2014, 89, 89-98.	1.3	34
22	Bradyrhizobia from Wild Phaseolus , Desmodium , and Macroptilium Species in Northern Mexico. Applied and Environmental Microbiology, 2002, 68, 2044-2048.	1.4	32
23	Mosaic origins of Bradyrhizobium legume symbionts on the Caribbean island of Guadeloupe. Molecular Phylogenetics and Evolution, 2014, 77, 110-115.	1.2	30
24	Phylogenetic clustering of Bradyrhizobium symbionts on legumes indigenous to North America. Microbiology (United Kingdom), 2012, 158, 2050-2059.	0.7	29
25	Divergence in Symbiotic Compatibility in a Legume-Bradyrhizobium Mutualism. Evolution; International Journal of Organic Evolution, 1996, 50, 1470.	1.1	27
26	Comparative phylogeography of Amphicarpaea legumes and their rootâ€nodule symbionts in Japan and North America. Journal of Biogeography, 2004, 31, 425-434.	1.4	25
27	Nonrandom Genotypic Associations in a Legume-Bradyrhizobium Mutualism. Evolution; International Journal of Organic Evolution, 1996, 50, 146.	1.1	23
28	Case of Localized Recombination in 23S rRNA Genes from Divergent Bradyrhizobium Lineages Associated with Neotropical Legumes. Applied and Environmental Microbiology, 2001, 67, 2076-2082.	1.4	23
29	Contrasting nifD and Ribosomal Gene Relationships Among Mesorhizobium from Lotus oroboides in Northern Mexico. Systematic and Applied Microbiology, 2002, 25, 68-73.	1.2	19
30	Symbiotic Relationships of Legumes and Nodule Bacteria on Barro Colorado Island, Panama: A Review. Microbial Ecology, 2008, 55, 662-672.	1.4	19
31	ORIGINAL ARTICLE: Origins of Bradyrhizobium nodule symbionts from two legume trees in the Philippines. Journal of Biogeography, 2008, 35, 1030-1039.	1.4	18
32	Rhizobitoxine production and symbiotic compatibility of Bradyrhizobium from Asian and North American lineages of Amphicarpaea. Canadian Journal of Microbiology, 2001, 47, 889-894.	0.8	17
33	Effects of disease resistance genes on Rhizobium symbiosis in an annual legume. Oecologia, 1990, 85, 137-141.	0.9	13
34	Cryptic species withinAmphicarpaea bracteata(Leguminosae): evidence from isozymes, morphology, and pathogen specificity. Canadian Journal of Botany, 1996, 74, 1640-1650.	1.2	13
35	Nodulation restrictive genotypes of Glycine and Amphicarpaea: a comparative analysis. Plant and Soil, 1997, 189, 181-188.	1.8	12
36	A single sym plasmid type predominates across diverse chromosomal lineages of Cupriavidus nodule symbionts. Systematic and Applied Microbiology, 2015, 38, 417-423.	1.2	11

#	Article	IF	Citations
37	Title is missing!. Plant and Soil, 2003, 254, 263-268.	1.8	9
38	Diversifying selection by Desmodiinae legume species onBradyrhizobiumsymbionts. FEMS Microbiology Ecology, 2015, 91, fiv075.	1.3	6
39	High-quality permanent draft genome sequence of Bradyrhizobium sp. Tv2a.2, a microsymbiont of Tachigali versicolor discovered in Barro Colorado Island of Panama. Standards in Genomic Sciences, 2015, 10, 27.	1.5	5
40	Relationships of Bradyrhizobium strains nodulating three Algerian Genista species. Systematic and Applied Microbiology, 2020, 43, 126074.	1.2	4
41	High-quality permanent draft genome sequence of Bradyrhizobium sp. Ai1a-2; a microsymbiont of Andira inermis discovered in Costa Rica. Standards in Genomic Sciences, 2015, 10, 33.	1.5	2
42	High-quality permanent draft genome sequence of the Mimosa asperata - nodulating Cupriavidus sp. strain AMP6. Standards in Genomic Sciences, 2015, 10, 80.	1.5	2
43	High-quality permanent draft genome sequence of Bradyrhizobium sp. Th.b2, a microsymbiont of Amphicarpaea bracteata collected in Johnson City, New York. Standards in Genomic Sciences, 2015, 10, 24.	1.5	2
44	Invasional meltdown via horizontal gene transfer of a European symbiosis island variant in North American nodule symbionts of Cytisus scoparius. Biological Invasions, 0, , 1.	1.2	0