

# Tomasz Stepkowski

## List of Publications by Year in descending order

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28  
papers

1,494  
citations

430874

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501196

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docs citations

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times ranked

1142  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phylogenetic analyses of symbiotic nodulation genes support vertical and lateral gene co-transfer within the Bradyrhizobium genus. <i>Molecular Phylogenetics and Evolution</i> , 2004, 30, 720-732.	2.7	189
2	European Origin of Bradyrhizobium Populations Infecting Lupins and Serradella in Soils of Western Australia and South Africa. <i>Applied and Environmental Microbiology</i> , 2005, 71, 7041-7052.	3.1	170
3	Minimal standards for the description of new genera and species of rhizobia and agrobacteria. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 1852-1863.	1.7	170
4	Horizontal Transfer of Symbiosis Genes within and Between Rhizobial Genera: Occurrence and Importance. <i>Genes</i> , 2018, 9, 321.	2.4	124
5	Diversification of Lupine Bradyrhizobium Strains: Evidence from Nodulation Gene Trees. <i>Applied and Environmental Microbiology</i> , 2007, 73, 3254-3264.	3.1	120
6	Cowpea and peanut in southern Africa are nodulated by diverse Bradyrhizobium strains harboring nodulation genes that belong to the large pantropical clade common in Africa. <i>Molecular Phylogenetics and Evolution</i> , 2008, 48, 1131-1144.	2.7	111
7	The Variable Part of the dnaK Gene as an Alternative Marker for Phylogenetic Studies of Rhizobia and Related Alpha Proteobacteria. <i>Systematic and Applied Microbiology</i> , 2003, 26, 483-494.	2.8	99
8	Phylogeny and Phylogeography of Rhizobial Symbionts Nodulating Legumes of the Tribe Genisteeae. <i>Genes</i> , 2018, 9, 163.	2.4	62
9	Genome-informed Bradyrhizobium taxonomy: where to from here?. <i>Systematic and Applied Microbiology</i> , 2019, 42, 427-439.	2.8	62
10	Bradyrhizobium canariense and Bradyrhizobium japonicum are the two dominant rhizobium species in root nodules of lupin and serradella plants growing in Europe. <i>Systematic and Applied Microbiology</i> , 2011, 34, 368-375.	2.8	54
11	Distinct Bradyrhizobium communities nodulate legumes native to temperate and tropical monsoon Australia. <i>Molecular Phylogenetics and Evolution</i> , 2012, 63, 265-277.	2.7	49
12	Phylogeny of nodulation genes and symbiotic properties of Genista tinctoria bradyrhizobia. <i>Archives of Microbiology</i> , 2006, 186, 87-97.	2.2	38
13	Crotalariaeae and Genisteeae of the South African Great Escarpment are nodulated by novel Bradyrhizobium species with unique and diverse symbiotic loci. <i>Molecular Phylogenetics and Evolution</i> , 2016, 100, 206-218.	2.7	33
14	Low sequence similarity and gene content of symbiotic clusters of Bradyrhizobium sp. WM9 (Lupinus) indicate early divergence of "lupin" lineage in the genus Bradyrhizobium. <i>Antonie Van Leeuwenhoek</i> , 2003, 84, 115-124.	1.7	27
15	Bayesian phylogenetic analysis reveals two-domain topology of S-adenosylhomocysteine hydrolase protein sequences. <i>Molecular Phylogenetics and Evolution</i> , 2005, 34, 15-28.	2.7	27
16	Both Alpha- and Beta-Rhizobia Occupy the Root Nodules of Vachellia karroo in South Africa. <i>Frontiers in Microbiology</i> , 2019, 10, 1195.	3.5	25
17	High-resolution structure of NodZ fucosyltransferase involved in the biosynthesis of the nodulation factor.. <i>Acta Biochimica Polonica</i> , 2007, 54, 537-549.	0.5	25
18	Determination of plasmid-encoded functions in Rhizobium leguminosarum biovar trifolii using proteome analysis of plasmid-cured derivatives. <i>Electrophoresis</i> , 1998, 19, 1972-1979.	2.4	21

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19	Lotus corniculatus-rhizobia symbiosis under Ni, Co and Cr stress on ultramafic soil. <i>Plant and Soil</i> , 2020, 451, 459-484.	3.7	20
20	Crystal Structures of NodS N-Methyltransferase from <i>Bradyrhizobium japonicum</i> in Ligand-Free Form and as SAH Complex. <i>Journal of Molecular Biology</i> , 2010, 404, 874-889.	4.2	13
21	Symbiosis of <i>Astragalus cicer</i> with its microsymbionts: partial nodC gene sequence, host plant specificity, and root nodule structure. <i>Antonie Van Leeuwenhoek</i> , 2000, 78, 63-71.	1.7	10
22	High-resolution structure of NodZ fucosyltransferase involved in the biosynthesis of the nodulation factor. <i>Acta Biochimica Polonica</i> , 2007, 54, 537-49.	0.5	10
23	Culture-independent assessment of the diazotrophic <i>Bradyrhizobium</i> communities in the Pampa and Atlantic Forest Biomes localities in southern Brazil. <i>Systematic and Applied Microbiology</i> , 2021, 44, 126228.	2.8	9
24	<i>Bradyrhizobium altum</i> sp. nov., <i>Bradyrhizobium oropedii</i> sp. nov. and <i>Bradyrhizobium acaciae</i> sp. nov. from South Africa show locally restricted and pantropical nodA phylogeographic patterns. <i>Molecular Phylogenetics and Evolution</i> , 2022, 167, 107338.	2.7	9
25	<i>Anthyllis vulneraria</i> and <i>Lotus corniculatus</i> on calamine heaps form nodules with <i>Bradyrhizobium liaoningense</i> -related strains harboring novel in Europe symbiotic nifD haplotypes. <i>Applied Soil Ecology</i> , 2020, 151, 103539.	4.3	8
26	Diversity and phylogenetic affinities of <i>Bradyrhizobium</i> isolates from Pampa and Atlantic Forest Biomes. <i>Systematic and Applied Microbiology</i> , 2021, 44, 126203.	2.8	5
27	Cloning, expression, purification, crystallization and preliminary X-ray analysis of NodS N-methyltransferase from <i>Bradyrhizobium japonicum</i> WM9. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 1149-1152.	0.7	2
28	Cloning, purification, crystallization and preliminary crystallographic studies of <i>Bradyrhizobium</i> fucosyltransferase NodZ. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 344-346.	2.5	1