

# Sofie E De Meyer

## List of Publications by Year in descending order

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50  
papers

3,945  
citations

279798

23  
h-index

189892

50  
g-index

51  
all docs

51  
docs citations

51  
times ranked

3395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proposed minimal standards for the use of genome data for the taxonomy of prokaryotes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 461-466.	1.7	2,359
2	<i>Microvirga lupini</i> sp. nov., <i>Microvirga lotononidis</i> sp. nov. and <i>Microvirga zambiensis</i> sp. nov. are alphaproteobacterial root-nodule bacteria that specifically nodulate and fix nitrogen with geographically and taxonomically separate legume hosts. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 2579-2588.	1.7	174
3	Horizontal Transfer of Symbiosis Genes within and Between Rhizobial Genera: Occurrence and Importance. <i>Genes</i> , 2018, 9, 321.	2.4	124
4	A large diversity of non-rhizobial endophytes found in legume root nodules in Flanders (Belgium). <i>Soil Biology and Biochemistry</i> , 2015, 83, 1-11.	8.8	111
5	Novel <i>Burkholderia</i> bacteria isolated from <i>Lebeckia ambigua</i> "A perennial suffrutescent legume of the fynbos. <i>Soil Biology and Biochemistry</i> , 2013, 60, 55-64.	8.8	97
6	Genetic diversity of rhizobia associated with indigenous legumes in different regions of Flanders (Belgium). <i>Soil Biology and Biochemistry</i> , 2011, 43, 2384-2396.	8.8	76
7	Multilocus sequence analysis of <i>Bosea</i> species and description of <i>Bosea lupini</i> sp. nov., <i>Bosea lathyri</i> sp. nov. and <i>Bosea robiniae</i> sp. nov., isolated from legumes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 2505-2510.	1.7	75
8	<i>Burkholderia sprentiae</i> sp. nov., isolated from <i>Lebeckia ambigua</i> root nodules. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 3950-3957.	1.7	75
9	<i>Burkholderia dilworthii</i> sp. nov., isolated from <i>Lebeckia ambigua</i> root nodules. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 1090-1095.	1.7	63
10	<i>Burkholderia rhynchosiae</i> sp. nov., isolated from <i>Rhynchosia ferulifolia</i> root nodules. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 3944-3949.	1.7	62
11	Symbiotic <i>Burkholderia</i> Species Show Diverse Arrangements of <i>nif</i> / <i>fix</i> and <i>nod</i> Genes and Lack Typical High-Affinity Cytochrome <i>cbb3</i> Oxidase Genes. <i>Molecular Plant-Microbe Interactions</i> , 2016, 29, 609-619.	2.6	62
12	<i>Mesorhizobium calcicola</i> sp. nov., <i>Mesorhizobium waitakense</i> sp. nov., <i>Mesorhizobium sophorae</i> sp. nov., <i>Mesorhizobium newzealandense</i> sp. nov. and <i>Mesorhizobium kowhaii</i> sp. nov. isolated from <i>Sophora</i> root nodules. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 786-795.	1.7	49
13	<i>Burkholderia dipogonis</i> sp. nov., isolated from root nodules of <i>Dipogon lignosus</i> in New Zealand and Western Australia. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 4716-4723.	1.7	48
14	<i>Rhizobium nepotum</i> sp. nov. isolated from tumors on different plant species. <i>Systematic and Applied Microbiology</i> , 2012, 35, 215-220.	2.8	47
15	<i>Bradyrhizobium manausense</i> sp. nov., isolated from effective nodules of <i>Vigna unguiculata</i> grown in Brazilian Amazonian rainforest soils. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 2358-2363.	1.7	47
16	Ribosomal protein biomarkers provide root nodule bacterial identification by MALDI-TOF MS. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 5547-5562.	3.6	47
17	<i>Bradyrhizobium neotropiale</i> sp. nov., isolated from effective nodules of <i>Centrolobium paraense</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3950-3957.	1.7	46
18	<i>Bradyrhizobium ingae</i> sp. nov., isolated from effective nodules of <i>Inga laurina</i> grown in Cerrado soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3395-3401.	1.7	38

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19	Tardiphaga robiniae gen. nov., sp. nov., a new genus in the family Bradyrhizobiaceae isolated from Robinia pseudoacacia in Flanders (Belgium). Systematic and Applied Microbiology, 2012, 35, 205-214.	2.8	37
20	Bradyrhizobium centrolobii and Bradyrhizobium macuxiense sp. nov. isolated from Centrolobium paraense grown in soil of Amazonia, Brazil. Archives of Microbiology, 2017, 199, 657-664.	2.2	35
21	Mesorhizobium waimense sp. nov. isolated from Sophora longicarinata root nodules and Mesorhizobium cantuariense sp. nov. isolated from Sophora microphylla root nodules. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 3419-3426.	1.7	35
22	Genetic diversity and symbiotic effectiveness of Phaseolus vulgaris-nodulating rhizobia in Kenya. Systematic and Applied Microbiology, 2018, 41, 291-299.	2.8	34
23	Symbiotic and non-symbiotic Paraburkholderia isolated from South African Lebeckia ambigua root nodules and the description of Paraburkholderia fynbosensis sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 2607-2614.	1.7	28
24	Diverse novel mesorhizobia nodulate New Zealand native Sophora species. Systematic and Applied Microbiology, 2015, 38, 91-98.	2.8	23
25	Paraburkholderia youngii sp. nov. and "Paraburkholderia atlantica"™ " 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
26	Genetic diversity and nitrogen fixation of mesorhizobia symbionts of New Zealand endemic <i>Sophora</i> species. New Zealand Journal of Botany, 2017, 55, 466-478.	1.1	11
27	Mesorhizobium carmichaelinearum sp. nov., isolated from Carmichaelineae spp. root nodules. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 146-152.	1.7	11
28	Genetic diversity of rhizobia associated with alfalfa in Serbian soils. Biology and Fertility of Soils, 2012, 48, 531-545.	4.3	10
29	Genome sequence of the clover-nodulating Rhizobium leguminosarum bv. trifolii strain TA1. Standards in Genomic Sciences, 2013, 9, 243-253.	1.5	10
30	Soil acidity and nutrient deficiency cause poor legume nodulation in the permanent pasture and mixed farming zones of south-eastern Australia. Crop and Pasture Science, 2019, 70, 1128.	1.5	10
31	Genome sequence of the Lebeckia ambigua-nodulating "Burkholderia sprentiae" strain WSM5005T. Standards in Genomic Sciences, 2013, 9, 385-394.	1.5	9
32	High-quality permanent draft genome sequence of Rhizobium sullae strain WSM1592; a Hedysarum coronarium microsymbiont from Sassari, Italy. Standards in Genomic Sciences, 2015, 10, 44.	1.5	9
33	Diversity of endemic rhizobia on Christmas Island: Implications for agriculture following phosphate mining. Systematic and Applied Microbiology, 2018, 41, 641-649.	2.8	8
34	Genome sequence of the Listia angolensis microsymbiont Microvirga lotononidis strain WSM3557T. Standards in Genomic Sciences, 2013, 9, 540-550.	1.5	7
35	High-quality permanent draft genome sequence of the Parapiptadenia rigida-nodulating Cupriavidus sp. strain UYPR2.512. Standards in Genomic Sciences, 2015, 10, 13.	1.5	6
36	High-quality permanent draft genome sequence of the Lebeckia ambigua-nodulating Burkholderia sp. strain WSM4176. Standards in Genomic Sciences, 2015, 10, 79.	1.5	5

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37	Delineation of <i>Paraburkholderia tuberum</i> sensu stricto and description of <i>Paraburkholderia podalyriae</i> sp. nov. nodulating the South African legume <i>Podalyria calyptata</i> . <i>Systematic and Applied Microbiology</i> , 2022, 45, 1263-16.	2.8	5
38	Genome sequence of the clover-nodulating <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> strain SRDI565.. <i>Standards in Genomic Sciences</i> , 2013, 9, 220-231.	1.5	4
39	Genome sequence of the South American clover-nodulating <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> strain WSM597. <i>Standards in Genomic Sciences</i> , 2013, 9, 264-272.	1.5	4
40	Genome sequence of the clover-nodulating <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> strain SRDI943.. <i>Standards in Genomic Sciences</i> , 2013, 9, 232-242.	1.5	3
41	Genome sequence of the <i>Trifolium rueppellianum</i> -nodulating <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> strain WSM2012.. <i>Standards in Genomic Sciences</i> , 2013, 9, 283-293.	1.5	3
42	Genome sequence of the lupin-nodulating <i>Bradyrhizobium</i> sp. strain WSM1417. <i>Standards in Genomic Sciences</i> , 2013, 9, 273-282.	1.5	3
43	High-quality permanent draft genome sequence of <i>Rhizobium leguminosarum</i> bv. <i>viciae</i> strain GB30; an effective microsymbiont of <i>Pisum sativum</i> growing in Poland. <i>Standards in Genomic Sciences</i> , 2015, 10, 36.	1.5	3
44	Soybean seed chemical composition as influenced by <i>Bradyrhizobium</i> inoculation in soils with elevated nickel concentrations. <i>Applied Soil Ecology</i> , 2020, 153, 103576.	4.3	3
45	High-quality permanent draft genome sequence of the <i>Parapiptadenia rigida</i> -nodulating <i>Burkholderia</i> sp. strain UYPR1.413. <i>Standards in Genomic Sciences</i> , 2015, 10, 31.	1.5	2
46	High-quality permanent draft genome sequence of the <i>Mimosa asperata</i> - nodulating <i>Cupriavidus</i> sp. strain AMP6. <i>Standards in Genomic Sciences</i> , 2015, 10, 80.	1.5	2
47	High-quality permanent draft genome sequence of the <i>Lebeckia</i> - nodulating <i>Burkholderia dilworthii</i> strain WSM3556T. <i>Standards in Genomic Sciences</i> , 2015, 10, 64.	1.5	1
48	High-quality permanent draft genome sequence of <i>Bradyrhizobium</i> sp. strain WSM1743 - an effective microsymbiont of an <i>Indigofera</i> sp. growing in Australia. <i>Standards in Genomic Sciences</i> , 2015, 10, 87.	1.5	1
49	Complete Genome Sequence of <i>Mesorhizobium sophorae</i> ICMP 19535 <sup>T</sup> , a Highly Specific, Nitrogen-Fixing Symbiont of New Zealand Endemic <i>Sophora</i> spp. <i>Genome Announcements</i> , 2017, 5, .	0.8	1
50	Genome sequence of the <i>Ornithopus/Lupinus</i> -nodulating <i>Bradyrhizobium</i> sp. strain WSM471. <i>Standards in Genomic Sciences</i> , 2013, 9, 254-263.	1.5	0