

Anne Willems

List of Publications by Year in descending order

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126
papers

6,594
citations

53794

45
h-index

74163

75
g-index

128
all docs

128
docs citations

128
times ranked

5680
citing authors

#	ARTICLE	IF	CITATIONS
1	Advantages of multilocus sequence analysis for taxonomic studies: a case study using 10 housekeeping genes in the genus <i>Ensifer</i> (including former <i>Sinorhizobium</i>). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 200-214.	1.7	391
2	<i>Bradyrhizobium canariense</i> sp. nov., an acid-tolerant endosymbiont that nodulates endemic genistoid legumes (Papilionoideae: Genisteae) from the Canary Islands, along with <i>Bradyrhizobium japonicum</i> bv. <i>genistearum</i> , <i>Bradyrhizobium</i> genospecies alpha and <i>Bradyrhizobium</i> genospecies beta. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 569-575.	1.7	261
3	What we can learn from sushi: a review on seaweed-bacterial associations. <i>FEMS Microbiology Ecology</i> , 2013, 83, 1-16.	2.7	234
4	Multilocus sequence analysis of <i>Ensifer</i> and related taxa. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 489-503.	1.7	232
5	Revised phylogeny of Rhizobiaceae: Proposal of the delineation of <i>Pararhizobium</i> gen. nov., and 13 new species combinations. <i>Systematic and Applied Microbiology</i> , 2015, 38, 84-90.	2.8	228
6	<i>Methylobacterium nodulans</i> sp. nov., for a group of aerobic, facultatively methylotrophic, legume root-nodule-forming and nitrogen-fixing bacteria. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 2269-2273.	1.7	209
7	<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
8	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
9	The taxonomy of rhizobia: an overview. <i>Plant and Soil</i> , 2006, 287, 3-14.	3.7	158
10	<i>Phyllobacterium trifolii</i> sp. nov., nodulating <i>Trifolium</i> and <i>Lupinus</i> in Spanish soils. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1985-1989.	1.7	143
11	Evidence for widespread endemism among Antarctic micro-organisms. <i>Polar Science</i> , 2010, 4, 103-113.	1.2	135
12	The biodiversity of beneficial microbe-host mutualism: the case of rhizobia. <i>Research in Microbiology</i> , 2010, 161, 453-463.	2.1	118
13	<i>Bradyrhizobium betae</i> sp. nov., isolated from roots of <i>Beta vulgaris</i> affected by tumour-like deformations. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 1271-1275.	1.7	115
14	Diversity and Temporal Dynamics of the Epiphytic Bacterial Communities Associated with the Canopy-Forming Seaweed <i>Cystoseira compressa</i> (Esper) Gerloff and Nizamuddin. <i>Frontiers in Microbiology</i> , 2016, 7, 476.	3.5	112
15	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
16	Description of new <i>Ensifer</i> strains from nodules and proposal to transfer <i>Ensifer adhaerens</i> Casida 1982 to <i>Sinorhizobium</i> as <i>Sinorhizobium adhaerens</i> comb. nov. Request for an Opinion. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 1207-1217.	1.7	110
17	Who Is in There? Exploration of Endophytic Bacteria within the Siphonous Green Seaweed <i>Bryopsis</i> (<i>Bryopsidales</i> , <i>Chlorophyta</i>). <i>PLoS ONE</i> , 2011, 6, e26458.	2.5	98
18	Polymerase chain reaction denaturing gradient gel electrophoresis analysis of the N ₂ -fixing bacterial diversity in soil under <i>Acacia tortilis</i> ssp. <i>raddiana</i> and <i>Balanites aegyptiaca</i> in the dryland part of Senegal. <i>Environmental Microbiology</i> , 2004, 6, 400-415.	3.8	86

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19	Bacterial community composition in relation to bedrock type and macrobiota in soils from the SÅr Rondane Mountains, East Antarctica. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw126.	2.7	85
20	<i>Chryseobacterium vrystaatense</i> sp. nov., isolated from raw chicken in a chicken-processing plant. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 2149-2153.	1.7	83
21	Multilocus sequence analysis of root nodule isolates from <i>Lotus arabicus</i> (Senegal), <i>Lotus creticus</i> , <i>Argyrolobium uniflorum</i> and <i>Medicago sativa</i> (Tunisia) and description of <i>Ensifer numidicus</i> sp. nov. and <i>Ensifer garamanticus</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 664-674.	1.7	83
22	<i>Rhizobium cellulosityticum</i> sp. nov., isolated from sawdust of <i>Populus alba</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 844-848.	1.7	80
23	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
24	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
25	Isolation and characterization of aerobic anoxygenic phototrophs from exposed soils from the SÅr Rondane Mountains, East Antarctica. <i>Systematic and Applied Microbiology</i> , 2017, 40, 357-369.	2.8	69
26	Description of <i>Comamonas aquatica</i> comb. nov. and <i>Comamonas kerstersii</i> sp. nov. for two subgroups of <i>Comamonas terrigena</i> and emended description of <i>Comamonas terrigena</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 859-862.	1.7	68
27	Highly diverse nirK genes comprise two major clades that harbour ammonium-producing denitrifiers. <i>BMC Genomics</i> , 2016, 17, 155.	2.8	67
28	<i>Mesorhizobium australicum</i> sp. nov. and <i>Mesorhizobium opportunistum</i> sp. nov., isolated from <i>Biserrula pelecinus</i> L. in Australia. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 2140-2147.	1.7	65
29	Bacterial Diversity Assessment in Antarctic Terrestrial and Aquatic Microbial Mats: A Comparison between Bidirectional Pyrosequencing and Cultivation. <i>PLoS ONE</i> , 2014, 9, e97564.	2.5	60
30	Diatom-Bacteria Interactions Modulate the Composition and Productivity of Benthic Diatom Biofilms. <i>Frontiers in Microbiology</i> , 2019, 10, 1255.	3.5	59
31	<i>Sinorhizobium morelense</i> sp. nov., a <i>Leucaena leucocephala</i> -associated bacterium that is highly resistant to multiple antibiotics. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2002, 52, 1687-1693.	1.7	58
32	<i>Mesorhizobium shonense</i> sp. nov., <i>Mesorhizobium hawassense</i> sp. nov. and <i>Mesorhizobium abyssinicae</i> sp. nov., isolated from root nodules of different agroforestry legume trees. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 1746-1753.	1.7	58
33	Dissimilatory nitrogen reduction in intertidal sediments of a temperate estuary: small scale heterogeneity and novel nitrate-to-ammonium reducers. <i>Frontiers in Microbiology</i> , 2015, 6, 1124.	3.5	58
34	<i>Abditobacterium utsteinense</i> sp. nov., the first cultivated member of candidate phylum FBP, isolated from ice-free Antarctic soil samples. <i>Systematic and Applied Microbiology</i> , 2018, 41, 279-290.	2.8	58
35	Culturable Diversity of Heterotrophic Bacteria in Forlidas Pond (Pensacola Mountains) and LundstrÅm Lake (Shackleton Range), Antarctica. <i>Microbial Ecology</i> , 2011, 62, 399-413.	2.8	57
36	Reclassification of <i>Agrobacterium ferrugineum</i> LMG 128 as <i>Hoeflea marina</i> gen. nov., sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1163-1166.	1.7	56

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37	Molecular and phenotypic characterization of strains nodulating <i>Anthyllis vulneraria</i> in mine tailings, and proposal of <i>Aminobacter anthyllidis</i> sp. nov., the first definition of <i>Aminobacter</i> as legume-nodulating bacteria. <i>Systematic and Applied Microbiology</i> , 2012, 35, 65-72.	2.8	55
38	Average nucleotide identity of genome sequences supports the description of <i>Rhizobium lentis</i> sp. nov., <i>Rhizobium bangladeshense</i> sp. nov. and <i>Rhizobium binae</i> sp. nov. from lentil (<i>Lens culinaris</i>) nodules. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 3037-3045.	1.7	55
39	Heterotrophic bacterial diversity in aquatic microbial mat communities from Antarctica. <i>Polar Biology</i> , 2012, 35, 543-554.	1.2	54
40	Permanent residents or temporary lodgers: characterizing intracellular bacterial communities in the siphonous green alga <i>Bryopsis</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122659.	2.6	54
41	High diversity of <i>Bradyrhizobium</i> strains isolated from several legume species and land uses in Brazilian tropical ecosystems. <i>Systematic and Applied Microbiology</i> , 2015, 38, 433-441.	2.8	53
42	Culturable bacterial diversity at the Princess Elisabeth Station (Utsteinen, Sør Rondane Mountains), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.8	52
43	<i>Acetobacter senegalensis</i> sp. nov., a thermotolerant acetic acid bacterium isolated in Senegal (sub-Saharan Africa) from mango fruit (<i>Mangifera indica</i> L.). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1576-1581.	1.7	51
44	<i>Bosea vaviloviae</i> sp. nov., a new species of slow-growing rhizobia isolated from nodules of the relict species <i>Vavilovia formosa</i> (Stev.) Fed.. <i>Antonie Van Leeuwenhoek</i> , 2015, 107, 911-920.	1.7	51
45	Uncovering the Uncultivated Majority in Antarctic Soils: Toward a Synergistic Approach. <i>Frontiers in Microbiology</i> , 2019, 10, 242.	3.5	51
46	The Link between Microbial Diversity and Nitrogen Cycling in Marine Sediments Is Modulated by Macrofaunal Bioturbation. <i>PLoS ONE</i> , 2015, 10, e0130116.	2.5	50
47	<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 kowhaili</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
48	<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
49	<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
50	<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
51	<i>Acetobacter oeni</i> sp. nov., isolated from spoiled red wine. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 21-24.	1.7	45
52	The limnology and biology of the Dufek Massif, Transantarctic Mountains 82° South. <i>Polar Science</i> , 2010, 4, 197-214.	1.2	45
53	<i>Vibrio variabilis</i> sp. nov. and <i>Vibrio maritimus</i> sp. nov., isolated from <i>Palythoa caribaeorum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 3009-3015.	1.7	43
54	A Doubling of Microphytobenthos Biomass Coincides with a Tenfold Increase in Denitrifier and Total Bacterial Abundances in Intertidal Sediments of a Temperate Estuary. <i>PLoS ONE</i> , 2015, 10, e0126583.	2.5	43

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55	<i>Pseudomonas cerasi</i> sp. nov. (non Griffin, 1911) isolated from diseased tissue of cherry. <i>Systematic and Applied Microbiology</i> , 2016, 39, 370-377.	2.8	42
56	<i>Mesorhizobium ciceri</i> biovar <i>biserrulae</i> , a novel biovar nodulating the pasture legume <i>Biserrula pelecinus</i> L. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1041-1045.	1.7	40
57	<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
58	Impact of Sample Preservation and Manipulation on Insect Gut Microbiome Profiling. A Test Case With Fruit Flies (Diptera, Tephritidae). <i>Frontiers in Microbiology</i> , 2019, 10, 2833.	3.5	38
59	<i>Marinomonas brasiliensis</i> sp. nov., isolated from the coral <i>Mussismilia hispida</i> , and reclassification of <i>Marinomonas basaltis</i> as a later heterotypic synonym of <i>Marinomonas communis</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 1170-1175.	1.7	37
60	<i>Tardiphaga robiniae</i> gen. nov., sp. nov., a new genus in the family Bradyrhizobiaceae isolated from <i>Robinia pseudoacacia</i> in Flanders (Belgium). <i>Systematic and Applied Microbiology</i> , 2012, 35, 205-214.	2.8	37
61	<i>Photobacterium jeanii</i> sp. nov., isolated from corals and zoanthids. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 2843-2848.	1.7	36
62	<i>Vibrio communis</i> sp. nov., isolated from the marine animals <i>Mussismilia hispida</i> , <i>Phyllogorgia dilatata</i> , <i>Palythoa caribaeorum</i> , <i>Palythoa variabilis</i> and <i>Litopenaeus vannamei</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 362-368.	1.7	35
63	<i>Mesorhizobium waimense</i> sp. nov. isolated from <i>Sophora longicarinata</i> root nodules and <i>Mesorhizobium cantuariense</i> sp. nov. isolated from <i>Sophora microphylla</i> root nodules. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 3419-3426.	1.7	35
64	Disentangling the Influence of Environment, Host Specificity and Thallus Differentiation on Bacterial Communities in Siphonous Green Seaweeds. <i>Frontiers in Microbiology</i> , 2019, 10, 717.	3.5	34
65	<i>Microvirga ossetica</i> sp. nov., a species of rhizobia isolated from root nodules of the legume species <i>Vicia alpestris</i> Steven. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 94-100.	1.7	34
66	<i>Rhizobium skierniewicense</i> sp. nov., isolated from tumours on chrysanthemum and cherry plum. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 895-899.	1.7	33
67	Host specificity in diatom-bacteria interactions alleviates antagonistic effects. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	33
68	Plant Growth Promotion Driven by a Novel <i>Caulobacter</i> Strain. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 1162-1174.	2.6	31
69	Symbiotic efficiency and genetic diversity of soybean bradyrhizobia in Brazilian soils. <i>Agriculture, Ecosystems and Environment</i> , 2015, 212, 85-93.	5.3	30
70	Bacterial and eukaryotic biodiversity patterns in terrestrial and aquatic habitats in the Sør Rondane Mountains, Dronning Maud Land, East Antarctica. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw041.	2.7	30
71	<i>Bradyrhizobium brasiliense</i> sp. nov., a symbiotic nitrogen-fixing bacterium isolated from Brazilian tropical soils. <i>Archives of Microbiology</i> , 2017, 199, 1211-1221.	2.2	30
72	<i>Pseudorhodoferax soli</i> gen. nov., sp. nov. and <i>Pseudorhodoferax caeni</i> sp. nov., two members of the class Betaproteobacteria belonging to the family Comamonadaceae. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 2702-2707.	1.7	29

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73	Life without a cell membrane: Challenging the specificity of bacterial endophytes within Bryopsis (Bryopsidales, Chlorophyta). BMC Microbiology, 2011, 11, 255.	3.3	29
74	Bradyrhizobium forestalis sp. nov., an efficient nitrogen-fixing bacterium isolated from nodules of forest legume species in the Amazon. Archives of Microbiology, 2018, 200, 743-752.	2.2	29
75	<i>N</i> -Acyl Homoserine Lactone Derived Tetramic Acids Impair Photosynthesis in <i>Phaeodactylum tricornutum</i> . ACS Chemical Biology, 2019, 14, 198-203.	3.4	29
76	The gyrB gene is a useful phylogenetic marker for exploring the diversity of Flavobacterium strains isolated from terrestrial and aquatic habitats in Antarctica. FEMS Microbiology Letters, 2011, 321, 130-140.	1.8	28
77	Analysis of cbbL, nifH, and pufLM in Soils from the Sør Rondane Mountains, Antarctica, Reveals a Large Diversity of Autotrophic and Phototrophic Bacteria. Microbial Ecology, 2016, 71, 131-149.	2.8	28
78	Interactions between Benthic Copepods, Bacteria and Diatoms Promote Nitrogen Retention in Intertidal Marine Sediments. PLoS ONE, 2014, 9, e111001.	2.5	27
79	Mesorhizobium delmotii and Mesorhizobium prunaredense are two new species containing rhizobial strains within the symbiovar anthyllidis. Systematic and Applied Microbiology, 2017, 40, 135-143.	2.8	27
80	Pathogenicity of indigenous entomopathogenic nematodes from Benin against mango fruit fly (Bactrocera dorsalis) under laboratory conditions. Biological Control, 2018, 117, 68-77.	3.0	27
81	Description and functional testing of four species of the novel phototrophic genus Chioneia gen. nov., isolated from different East Antarctic environments. Systematic and Applied Microbiology, 2021, 44, 126250.	2.8	26
82	Phyllobacterium zundukense sp. nov., a novel species of rhizobia isolated from root nodules of the legume species Oxytropis triphylla (Pall.) Pers.. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 1644-1651.	1.7	26
83	Carnobacterium iners sp. nov., a psychrophilic, lactic acid-producing bacterium from the littoral zone of an Antarctic pond. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 1370-1375.	1.7	24
84	Comparative Microbiomics of Tephritid Frugivorous Pests (Diptera: Tephritidae) From the Field: A Tale of High Variability Across and Within Species. Frontiers in Microbiology, 2020, 11, 1890.	3.5	24
85	Leeuwenhoekiella aestuarii sp. nov., isolated from salt-water sediment and first insights in the genomes of Leeuwenhoekiella species. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 1706-1719.	1.7	24
86	Isolation and characterization of new poly(3HB)-accumulating star-shaped cell-aggregates-forming thermophilic bacteria. Journal of Applied Microbiology, 2010, 109, no-no.	3.1	23
87	Diverse novel mesorhizobia nodulate New Zealand native Sophora species. Systematic and Applied Microbiology, 2015, 38, 91-98.	2.8	23
88	Diversity of Phototrophic Genes Suggests Multiple Bacteria May Be Able to Exploit Sunlight in Exposed Soils from the Sør Rondane Mountains, East Antarctica. Frontiers in Microbiology, 2016, 7, 2026.	3.5	20
89	Marinobacterium coralli sp. nov., isolated from mucus of coral (Mussismilia hispida). International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 60-64.	1.7	19
90	Pararhizobium polonicum sp. nov. isolated from tumors on stone fruit rootstocks. Systematic and Applied Microbiology, 2016, 39, 164-169.	2.8	18

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91	Classification of the inoculant strain of cowpea UFLA03-84 and of other strains from soils of the Amazon region as <i>Bradyrhizobium viridifuturi</i> (symbiovar tropici). <i>Brazilian Journal of Microbiology</i> , 2019, 50, 335-345.	2.0	18
92	Host specificity and coevolution of Flavobacteriaceae endosymbionts within the siphonous green seaweed <i>Bryopsis</i> . <i>Molecular Phylogenetics and Evolution</i> , 2013, 67, 608-614.	2.7	16
93	How endo- is endo-? Surface sterilization of delicate samples: a <i>Bryopsis</i> (<i>Bryopsidales</i> , <i>Chlorophyta</i>) case study. <i>Symbiosis</i> , 2010, 51, 131-138.	2.3	15
94	Extra-slow-growing <i>Tardiphaga</i> strains isolated from nodules of <i>Vavilovia formosa</i> (Stev.) Fed.. <i>Archives of Microbiology</i> , 2015, 197, 889-898.	2.2	15
95	Effect of food preservation on the grazing behavior and on the gut flora of the harpacticoid copepod <i>Paramphiascella fulvofasciata</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 407, 63-69.	1.5	14
96	Influence of nitrate and nitrite concentration on N ₂ O production via dissimilatory nitrate/nitrite reduction to ammonium in <i>Bacillus paralicheniformis</i> LMG 6934. <i>MicrobiologyOpen</i> , 2018, 7, e00592.	3.0	14
97	Diversity of key genes for carbon and nitrogen fixation in soils from the SÄr Rondane Mountains, East Antarctica. <i>Polar Biology</i> , 2018, 41, 2181-2198.	1.2	14
98	Substrate-dependent bacterivory by intertidal benthic copepods. <i>Marine Biology</i> , 2013, 160, 327-341.	1.5	13
99	<i>Bosea caraganae</i> sp. nov. a new species of slow-growing bacteria isolated from root nodules of the relict species <i>Caragana jubata</i> (Pall.) Poir. originating from Mongolia. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 2687-2695.	1.7	13
100	<i>Mesorhizobium carmichaelinearum</i> sp. nov., isolated from <i>Carmichaelineae</i> spp. root nodules. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 146-152.	1.7	11
101	The effect of bio-irrigation by the polychaete <i>Lanice conchilega</i> on active denitrifiers: Distribution, diversity and composition of nosZ gene. <i>PLoS ONE</i> , 2018, 13, e0192391.	2.5	11
102	Genetic diversity of rhizobia associated with alfalfa in Serbian soils. <i>Biology and Fertility of Soils</i> , 2012, 48, 531-545.	4.3	10
103	Molecular diversity of <i>Photorhabdus</i> and <i>Xenorhabdus</i> bacteria, symbionts of <i>Heterorhabditis</i> and <i>Steinernema</i> nematodes retrieved from soil in Benin. <i>Archives of Microbiology</i> , 2018, 200, 589-601.	2.2	10
104	<i>Bradyrhizobium uaiense</i> sp. nov., a new highly efficient cowpea symbiont. <i>Archives of Microbiology</i> , 2020, 202, 1135-1141.	2.2	10
105	A novel plasmid pEA68 of <i>Erwinia amylovora</i> and the description of a new family of plasmids. <i>Archives of Microbiology</i> , 2014, 196, 891-899.	2.2	9
106	PERN: an EUâ€Russia initiative for rhizosphere microbial resources. <i>Trends in Biotechnology</i> , 2015, 33, 377-380.	9.3	9
107	<i>Chelatococcus thermostellatus</i> sp. nov., a new thermophile for bioplastic synthesis: comparative phylogenetic and physiological study. <i>AMB Express</i> , 2016, 6, 39.	3.0	9
108	Nitrogen assimilation in denitrifier <i>Bacillus azotoformans</i> LMG 9581T. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 1613-1626.	1.7	9

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109	<i>Steinernema kandii</i> n. sp. (Rhabditida: Steinernematidae), a new entomopathogenic nematode from northern Benin. <i>Nematology</i> , 2019, 21, 107-128.	0.6	8
110	<i>Bradyrhizobium campsiandrae</i> sp. nov., a nitrogen-fixing bacterial strain isolated from a native leguminous tree from the Amazon adapted to flooded conditions. <i>Archives of Microbiology</i> , 2021, 203, 233-240.	2.2	8
111	A prototype taxonomic microarray targeting the <i>rpsA</i> housekeeping gene permits species identification within the rhizobial genus <i>Ensifer</i> . <i>Systematic and Applied Microbiology</i> , 2007, 30, 390-400.	2.8	7
112	<i>Stenotrophomonas</i> sp. SRS1 promotes growth of <i>Arabidopsis</i> and tomato plants under salt stress conditions. <i>Plant and Soil</i> , 2022, 473, 547-571.	3.7	7
113	Genome sequence of <i>Burkholderia mimosarum</i> strain LMG 23256T, a <i>Mimosa pigra</i> microsymbiont from Anso, Taiwan. <i>Standards in Genomic Sciences</i> , 2013, 9, 484-494.	1.5	6
114	Genome sequence of <i>Ensifer arboris</i> strain LMG 14919T; a microsymbiont of the legume <i>Prosopis chilensis</i> growing in Kosti, Sudan. <i>Standards in Genomic Sciences</i> , 2013, 9, 473-483.	1.5	6
115	Influence of the algal microbiome on biofouling during industrial cultivation of <i>Nannochloropsis</i> sp. in closed photobioreactors. <i>Algal Research</i> , 2019, 42, 101591.	4.6	6
116	Efficient Nitrogen-Fixing Bacteria Isolated from Soybean Nodules in the Semi-arid Region of Northeast Brazil are Classified as <i>Bradyrhizobium brasilense</i> (Symbiovar Sojae). <i>Current Microbiology</i> , 2020, 77, 1746-1755.	2.2	6
117	<i>Spirosoma utsteinense</i> sp. nov. isolated from Antarctic ice-free soils from the Utsteinen region, East Antarctica. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 71, .	1.7	6
118	Flemish soils contain rhizobia partners for Northwestern European adapted soybean cultivars. <i>Environmental Microbiology</i> , 2022, 24, 3334-3354.	3.8	6
119	Salinity and host drive <i>Ulva</i> -associated bacterial communities across the Atlantic-Baltic Sea gradient. <i>Molecular Ecology</i> , 2023, 32, 6260-6277.	3.9	6
120	Structural and functional patterns of active bacterial communities during aging of harpacticoid copepod fecal pellets. <i>Aquatic Microbial Ecology</i> , 2013, 71, 25-42.	1.8	5
121	Diversity of culturable moderately halophilic and halotolerant bacteria in a marsh and two salterns a protected ecosystem of Lower Loukkos (Morocco). <i>African Journal of Microbiology Research</i> , 2012, 6, .	0.4	4
122	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
123	Evaluation of the ability of indigenous nematode isolates of <i>Heterorhabditis taysearae</i> and <i>Steinernema kandii</i> to control mango fruit fly <i>Bactrocera dorsalis</i> under laboratory, semi-field and field conditions in Northern Benin. <i>Crop Protection</i> , 2021, 149, 105754.	2.1	3
124	Limited feeding on bacteria by two intertidal benthic copepod species as revealed by trophic biomarkers. <i>Environmental Microbiology Reports</i> , 2013, 5, 301-309.	2.4	2
125	Characterization and genetic diversity of causal agent of stone fruit bacterial canker <i>Pseudomonas cerasi</i> , a new pathogen of cherry. <i>Acta Horticulturae</i> , 2016, , 9-14.	0.2	1
126	Complete genome sequence of <i>Dyadobacter</i> sp. 32, isolated from a culture of the freshwater diatom <i>Cymbella microcephala</i> . <i>Marine Genomics</i> , 2020, 52, 100720.	1.1	0