Phillippe Normand

List of Publications by Year
in descending order

186 papers	10,089 citations	28274 55 h-index	42399 92 g-index
207 all docs	207 docs citations	207 times ranked	7103 citing authors

#	Article	IF	Citations
1	Legumes Symbioses: Absence of Nod Genes in Photosynthetic Bradyrhizobia. Science, 2007, 316, 1307-1312.	12.6	557
2	Ecological diversification in the <i>Bacillus cereus</i> Group. Environmental Microbiology, 2008, 10, 851-865.	3.8	413
3	Genome characteristics of facultatively symbiotic Frankia sp. strains reflect host range and host plant biogeography. Genome Research, 2006, 17, 7-15.	5.5	352
4	Phylogenomics reveals multiple losses of nitrogen-fixing root nodule symbiosis. Science, 2018, 361, .	12.6	339
5	Recombinant Environmental Libraries Provide Access to Microbial Diversity for Drug Discovery from Natural Products. Applied and Environmental Microbiology, 2003, 69, 49-55.	3.1	305
6	Polyphasic classification of the genus Photorhabdus and proposal of new taxa: P. luminescens subsp. luminescens subsp. nov., P. luminescens subsp. akhurstii subsp. nov., P. luminescens subsp. laumondii subsp. nov., P. temperata sp. nov., P. temperata subsp. temperata subsp. nov. and P. asymbiotica sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 1999, 49, 1645-1656.	1.7	220
7	Evaluation of <i>Frankia</i> strains isolated from provenances of two <i>Alnus</i> species. Canadian Journal of Microbiology, 1982, 28, 1133-1142.	1.7	208
8	Azospirillum Genomes Reveal Transition of Bacteria from Aquatic to Terrestrial Environments. PLoS Genetics, 2011, 7, e1002430.	3.5	191
9	Title is missing!. Plant and Soil, 2001, 237, 47-54.	3.7	187
10	Characterization of natural populations of Nitrobacter spp. using PCR/RFLP analysis of the ribosomal intergenic spacer. Archives of Microbiology, 1992, 157, 107-115.	2.2	186
11	Transcriptomics of Actinorhizal Symbioses Reveals Homologs of the Whole Common Symbiotic Signaling Cascade Â. Plant Physiology, 2011, 156, 700-711.	4.8	156
12	Paenibacillus graminis sp. nov. and Paenibacillus odorifer sp. nov., isolated from plant roots, soil and food.. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 607-616.	1.7	156
13	Phylogeny of the class Actinobacteria revisited in the light of complete genomes. The orders â€˜Frankialesâ€™ and Micrococcales should be split into coherent entities: proposal of Frankiales ord. nov., Geodermatophilales ord. nov., Acidothermales ord. nov. and Nakamurellales ord. nov.. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 3821-3832.	1.7	148
14	Analysis of a ribosomal RNA operon in the actinomycete Frankia. Gene, 1992, 111, 119-124.	2.2	144
15	Generation of a cluster-free Streptomyces albus chassis strains for improved heterologous expression of secondary metabolite clusters. Metabolic Engineering, 2018, 49, 316-324.	7.0	140
16	Rhodanobacter lindaniclasticus gen. nov., sp. nov., a lindane-degrading bacterium. International Journal of Systematic and Evolutionary Microbiology, 1999, 49, 19-23.	1.7	137
17	Frankia genus-specific characterization by polymerase chain reaction. Applied and Environmental Microbiology, 1991, 57, 3278-3286.	3.1	134
18	Candidatus Frankia Datiscae Dg1, the Actinobacterial Microsymbiont of Datisca glomerata, Expresses the Canonical nod Genes nodABC in Symbiosis with Its Host Plant. PLoS ONE, 2015, 10, e0127630.	2.5	131

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19	Phylogeny of nitrogenase sequences inFrankia and other nitrogen-fixing microorganisms. Journal of Molecular Evolution, 1989, 29, 436-447.	1.8	128
20	Isolation and 16S rRNA sequence analysis of the beneficial bacteria from the rhizosphere of rice. Canadian Journal of Microbiology, 2001, 47, 110-117.	1.7	127
21	The <i>Frankia alni</i> Symbiotic Transcriptome. Molecular Plant-Microbe Interactions, 2010, 23, 593-607.	2.6	126
22	Phylogenetic relationships among Frankia genomic species determined by use of amplified 16S rDNA sequences. Journal of Bacteriology, 1991, 173, 4072-4078.	2.2	120
23	Non- Frankia Actinomycetes Isolated from Surface-Sterilized Roots of Casuarina equisetifolia Fix Nitrogen. Applied and Environmental Microbiology, 2005, 71, 460-466.	3.1	112
24	Complete genome of the cellulolytic thermophile <i>Acidothermus cellulolyticus</i> 11B provides insights into its ecophysiological and evolutionary adaptations. Genome Research, 2009, 19, 1033-1043.	5.5	109
25	Genome Sequence of â€œCandidatus Frankia datiscaeâ€•Dg1, the Uncultured Microsymbiont from Nitrogen-Fixing Root Nodules of the Dicot Datisca glomerata. Journal of Bacteriology, 2011, 193, 7017-7018.	2.2	99
26	Contrasted resistance of stone-dwelling Geodermatophilaceae species to stresses known to give rise to reactive oxygen species. FEMS Microbiology Ecology, 2012, 80, 566-577.	2.7	97
27	Conservation of nif sequences in Frankia. Molecular Genetics and Genomics, 1988, 213, 238-246.	2.4	92
28	Cultivating the uncultured: growing the recalcitrant cluster-2 Frankia strains. Scientific Reports, 2015, 5, 13112.	3.3	90
29	Isolation and characterization of a novel gamma-hexachlorocyclohexane-degrading bacterium. Journal of Bacteriology, 1996, 178, 6049-6055.	2.2	89
30	Bacterialâ€induced calcium oscillations are common to nitrogenâ€fixing associations of nodulating legumes and nonâ€legumes. New Phytologist, 2015, 207, 551-558.	7.3	89
31	Molecular characterization and PCR detection of a nitrogen-fixing Pseudomonas strain promoting rice growth. Biology and Fertility of Soils, 2006, 43, 163-170.	4.3	88
32	Geodermatophilaceae fam. nov., a formal description. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 2277-2278.	1.7	85
33	Kinetics of the persistence of chromosomal DNA from genetically engineered Escherichia coli introduced into soil. Applied and Environmental Microbiology, 1993, 59, 4289-4294.	3.1	84
34	Genetic Diversity and Phylogeny of Rhizobia That Nodulate <i>Acacia</i> spp. in Morocco Assessed by Analysis of rRNA Genes. Applied and Environmental Microbiology, 1998, 64, 4912-4917.	3.1	84
35	Genetic diversity among Frankia strains nodulating members of the family Casuarinaceae in Australia revealed by PCR and restriction fragment length polymorphism analysis with crushed root nodules. Applied and Environmental Microbiology, 1996, 62, 979-985.	3.1	83
36	<i>Alnus</i> peptides modify membrane porosity and induce the release of nitrogen-rich metabolites from nitrogen-fixing <i>Frankia</i>. ISME Journal, 2015, 9, 1723-1733.	9.8	79

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37	Identification of Frankia strains in nodules by hybridization of polymerase chain reaction products with strain-specific oligonucleotide probes. Archives of Microbiology, 1990, 153, 235-240.	2.2	78
38	Comparative phylogeny of rrs and nifH genes in the Bacillaceae. International Journal of Systematic and Evolutionary Microbiology, 1999, 49, 961-967.	1.7	78
39	A possible role for phenyl acetic acid (PAA) on Alnus glutinosa nodulation by Frankia. Plant and Soil, 2003, 254, 193-205.	3.7	77
40	Evidence that some Frankia sp. strains are able to cross boundaries between Alnus and Elaeagnus host specificity groups. Applied and Environmental Microbiology, 1992, 58, 1569-1576.	3.1	76
41	Restriction enzyme digestion patterns ofFrankia plasmids. Plant and Soil, 1985, 87, 49-60.	3.7	74
42	Typing method for N₂â€fixing bacteria based on PCRâ€F â€” application to the characterization of <i>Frankia</i> strains. Molecular Ecology, 1993, 2, 17-26.	3.9	74
43	Genome Features of the Endophytic Actinobacterium Micromonospora lupini Strain Lupac 08: On the Process of Adaptation to an Endophytic Life Style?. PLoS ONE, 2014, 9, e108522.	2.5	74
44	Co-evolution between Frankia populations and host plants in the family Casuarinaceae and consequent patterns of global dispersal. Environmental Microbiology, 1999, 1, 525-533.	3.8	71
45	Stone-dwelling actinobacteria <i>Blastococcus saxobsidens</i>, <i>Modestobacter marinus</i> and <i>Geodermatophilus obscurus</i> proteogenomes. ISME Journal, 2016, 10, 21-29.	9.8	71
46	The genetics of actinorhizalFrankia: A review. Plant and Soil, 1986, 90, 429-453.	3.7	69
47	Taxonomic position and intraspecific variability of the nodule forming Penicillium nodositatum inferred from RFLP analysis of the ribosomal intergenic spacer and Random Amplified Polymorphic DNA. Mycological Research, 1997, 101, 465-472.	2.5	69
48	Proposal of a type strain for Frankia alni (Woronin 1866) Von Tubeuf 1895, emended description of Frankia alni, and recognition of Frankia casuarinae sp. nov. and Frankia elaeagni sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 5201-5210.	1.7	68
49	Diversity and Specificity of Frankia Strains in Nodules of Sympatric Myrica gale, Alnus incana , and Shepherdia canadensis Determined by rrs Gene Polymorphism. Applied and Environmental Microbiology, 2001, 67, 2116-2122.	3.1	67
50	Micromonospora is a normal occupant of actinorhizal nodules. Journal of Biosciences, 2013, 38, 685-693.	1.1	67
51	Identification of Bacteria in Pasteurized Zucchini Purel̀es Stored at Different Temperatures and Comparison with Those Found in Other Pasteurized Vegetable Purel̀es. Applied and Environmental Microbiology, 2001, 67, 4520-4530.	3.1	66
52	Nutrition onÂbacteria byÂbacterial-feeding nematodes andÂconsequences onÂtheÂstructure ofÂsoil bacterial community. European Journal of Soil Biology, 2006, 42, S70-S78.	3.2	64
53	Exploring the genomes of Frankia. Physiologia Plantarum, 2007, 130, 331-343.	5.2	62
54	Species richness and phylogenetic diversity comparisons of soil microbial communities affected by nickel-mining and revegetation efforts in New Caledonia. European Journal of Soil Biology, 2007, 43, 130-139.	3.2	61

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55	Relationship between Spatial and Genetic Distance in Agrobacterium spp. in 1 Cubic Centimeter of Soil. Applied and Environmental Microbiology, 2003, 69, 1482-1487.	3.1	60
56	Stability of <i>Bradyrhizobium japonicum</i> Inoculants after Introduction into Soil. Applied and Environmental Microbiology, 1988, 54, 2636-2642.	3.1	60
57	capA, a cspA-like gene that encodes a cold acclimation protein in the psychrotrophic bacterium Arthrobacter globiformis SI55. Journal of Bacteriology, 1997, 179, 5670-5676.	2.2	59
58	Stimulation of the ionic transport system in <i>Brassica napus</i> by a plant growth-promoting rhizobacterium (<i>Achromobacter</i> sp.). Canadian Journal of Microbiology, 2000, 46, 229-236.	1.7	58
59	2-O-Methyl-D-mannose, a key sugar in the taxonomy of Frankia. Canadian Journal of Microbiology, 1983, 29, 993-1002.	1.7	56
60	Genetic diversity amongFrankia isolated from Casuarina nodules. Plant and Soil, 1989, 118, 241-247.	3.7	55
61	Distribution of Gymnostoma spp. microsymbiotic Frankia strains in New Caledonia is related to soil type and to host-plant species. Molecular Ecology, 1999, 8, 1781-1788.	3.9	52
62	Microscale Diversity of the Genus Nitrobacter in Soil on the Basis of Analysis of Genes Encoding rRNA. Applied and Environmental Microbiology, 2000, 66, 4543-4546.	3.1	51
63	The nodular endophytes of <i>Coriaria</i> spp. form a distinct lineage within the genus <i>Frankia</i>. Molecular Ecology, 1992, 1, 175-181.	3.9	50
64	Presence of Hydrogenophilus thermoluteolus DNA in accretion ice in the subglacial Lake Vostok, Antarctica, assessed using rrs, cbb and hox. Environmental Microbiology, 2006, 8, 2106-2114.	3.8	50
65	Molecular phylogeny of Myricaceae: a reexamination of hostâ€“symbiont specificity. Molecular Phylogenetics and Evolution, 2005, 34, 557-568.	2.7	49
66	Comparative secretome analysis suggests low plant cell wall degrading capacity in Frankia symbionts. BMC Genomics, 2008, 9, 47.	2.8	49
67	Bacterial taxa associated with the hematophagous mite Dermanyssus gallinae detected by 16S rRNA PCR amplification and TTGE fingerprinting. Research in Microbiology, 2009, 160, 63-70.	2.1	48
68	The nodular microsymbionts of Gymnostoma spp. are Elaeagnus-infective Frankia strains. Applied and Environmental Microbiology, 1997, 63, 1610-1616.	3.1	48
69	A Hypervariable 23S rRNA Region Provides a Discriminating Target for Specific Characterization of Uncultured and Cultured Frankia. Systematic and Applied Microbiology, 1994, 17, 433-443.	2.8	47
70	Title is missing!. European Journal of Plant Pathology, 1997, 103, 545-554.	1.7	46
71	Community Variability of Bacteria in Alpine Snow (Mont Blanc) Containing Saharan Dust Deposition and Their Snow Colonisation Potential. Microbes and Environments, 2011, 26, 237-247.	1.6	46
72	Molecular phylogeny of Alnus (Betulaceae), inferred from nuclear ribosomal DNA ITS sequences. Plant and Soil, 2003, 254, 207-217.	3.7	45

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73	Frankia alni proteome under nitrogen-fixing and nitrogen-replete conditions. Physiologia Plantarum, 2007, 130, 440-453.	5.2	45
74	Conditional suicide system of Escherichia coli released into soil that uses the Bacillus subtilis sacB gene. Applied and Environmental Microbiology, 1993, 59, 1361-1366.	3.1	44
75	Plasmids in Frankia sp. Journal of Bacteriology, 1983, 155, 32-35.	2.2	43
76	Localization of nif genes on a large plasmid in Frankia sp. strain ULQ0132105009. Molecular Genetics and Genomics, 1986, 204, 492-495.	2.4	42
77	Distribution and N2-fixing activity of Frankia strains in relation to soil depth. Physiologia Plantarum, 1997, 99, 732-738.	5.2	42
78	Adaptation to nickel spiking of bacterial communities in neocaledonian soils. Environmental Microbiology, 2003, 5, 3-12.	3.8	42
79	Differential Frankia protein patterns induced by phenolic extracts from Myricaceae seeds. Physiologia Plantarum, 2007, 130, 380-390.	5.2	40
80	Phenotypic and genetic diversity within a colony morphotype. FEMS Microbiology Letters, 1998, 160, 137-143.	1.8	39
81	Contrasted evolutionary constraints on secreted and non-secreted proteomes of selected Actinobacteria. BMC Genomics, 2013, 14, 474.	2.8	39
82	Genetic complementation of rhizobial nod mutants with Frankia DNA: artifact or reality?. Molecular Genetics and Genomics, 1998, 260, 115-119.	2.4	38
83	Streptomyces turgidiscabies and Streptomyces reticuliscabiei: one genomic species, two pathogenic groups. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 2771-2776.	1.7	38
84	Molecular characterization of Frankia microsymbionts from spore-positive and spore-negative nodules in a natural alder stand. Applied and Environmental Microbiology, 1994, 60, 1335-1341.	3.1	38
85	The implication of life style on codon usage patterns and predicted highly expressed genes for three Frankia genomes. Antonie Van Leeuwenhoek, 2008, 93, 335-346.	1.7	37
86	The Determinants of the Actinorhizal Symbiosis. Microbes and Environments, 2010, 25, 241-252.	1.6	37
87	Genome Sequence of Blastococcus saxobsidens DD2, a Stone-Inhabiting Bacterium. Journal of Bacteriology, 2012, 194, 2752-2753.	2.2	37
88	Evidence that two genomic species of Rhizobium are associated with Medicago truncatula. Archives of Microbiology, 1996, 165, 285-288.	2.2	35
89	A phylogenomic analysis of bacterial helixâ€“turnâ€“helix transcription factors. FEMS Microbiology Reviews, 2009, 33, 411-429.	8.6	35
90	Direct characterization of Frankia and of close phyletic neighbors from an Alnus viridis rhizosphere. Physiologia Plantarum, 1997, 99, 722-731.	5.2	34

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91	Insertion sequence content reflects genome plasticity in strains of the root nodule actinobacterium Frankia. BMC Genomics, 2009, 10, 468.	2.8	34
92	Genome Sequence of Radiation-Resistant Modestobacter marinus Strain BC501, a Representative Actinobacterium That Thrives on Calcareous Stone Surfaces. Journal of Bacteriology, 2012, 194, 4773-4774.	2.2	33
93	Frankia canadensis sp. nov., isolated from root nodules of Alnus incana subspecies rugosa. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 3001-3011.	1.7	33
94	Defining the Species Micromonospora saelicesensis and Micromonospora noduli Under the Framework of Genomics. Frontiers in Microbiology, 2018, 9, 1360.	3.5	32
95	Molecular structure of the Frankia spp. nifDâ€"K intergenic spacer and design of Frankia genus compatible primer. Molecular Ecology, 1995, 4, 483-492.	3.9	31
96	Three events of Saharan dust deposition on the Mont Blanc glacier associated with different snow-colonizing bacterial phylotypes. Microbiology, 2011, 80, 125-131.	1.2	30
97	Microorganisms and Biotic Interactions. , 2015, , 395-444.		30
98	Purification of the dissimilative nitrate reductase of pseudomonas fluorescens and the cloning and sequencing of its corresponding genes. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1997, 1350, 272-276.	2.4	29
99	Robust Frankia phylogeny, species delineation and intraspecies diversity based on Multi-Locus Sequence Analysis (MLSA) and Single-Locus Strain Typing (SLST) adapted to a large sample size. Systematic and Applied Microbiology, 2018, 41, 311-323.	2.8	29
100	Proposal of 'Candidatus Frankia californiensis', the uncultured symbiont in nitrogen-fixing root nodules of a phylogenetically broad group of hosts endemic to western North America. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 3706-3715.	1.7	28
101	The N-metabolites of roots and actinorhizal nodules from Alnus glutinosa and Datisca glomerata: can D. glomerata change N-transport forms when nodulated?. Symbiosis, 2016, 70, 149-157.	2.3	26
102	Advances in environmental genomics: towards an integrated view of micro-organisms and ecosystems. Microbiology (United Kingdom), 2008, 154, 347-359.	1.8	26
103	Cloning of a multicopy plasmid from the actinorhizal nitrogen-fixing bacterium Frankia sp.and determination of its restriction map. Gene, 1985, 34, 367-370.	2.2	25
104	Characterization of a spontaneous thiostrepton-resistant Frankia alni infective isolate using PCR-RFLP of nif and glnII genes. Soil Biology and Biochemistry, 1994, 26, 553-559.	8.8	25
105	Combined use of a specific probe and PCAT medium to study Burkholderia in soil. Journal of Microbiological Methods, 2001, 47, 25-34.	1.6	25
106	Recombinant plasmid mobilization between<i>E</i>.<i>coli</i>strains in seven sterile microcosms. Canadian Journal of Microbiology, 1997, 43, 534-540.	1.7	24
107	Analysis of pFQ31, a 8551-bp cryptic plasmid from the symbiotic nitrogen-fixing actinomycete Frankia. FEMS Microbiology Letters, 2001, 197, 111-116.	1.8	24
108	Disruption of narG, the Gene Encoding the Catalytic Subunit of Respiratory Nitrate Reductase, Also Affects Nitrite Respiration in Pseudomonas fluorescens YT101. Journal of Bacteriology, 1999, 181, 5099-5102.	2.2	24

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109	Tn 5 to assess soil fate of genetically marked bacteria: screening for aminoglycoside-resistance advantage and labelling specificity. FEMS Microbiology Letters, 1992, 86, 187-194.	1.8	23
110	Modification of the protein expression pattern induced in the nitrogen-fixing actinomycete <i>Frankia</i> sp. strain ACN14a-tsr by root exudates of its symbiotic host <i>Alnus glutinosa</i> and cloning of the <i>sodF</i> gene. Canadian Journal of Microbiology, 2001, 47, 541-547.	1.7	22
111	Oligonucleotide probes based on 16S rRNA sequences for the identification of four <i>Azospirillum</i> species. Canadian Journal of Microbiology, 1995, 41, 1081-1087.	1.7	21
112	The Nocardia cyriacigeorgica GUH-2 genome shows ongoing adaptation of an environmental Actinobacteria to a pathogenâ€™s lifestyle. BMC Genomics, 2013, 14, 286.	2.8	21
113	Genome Sequence of the Atypical Symbiotic <i>Frankia</i> R43 Strain, a Nitrogen-Fixing and Hydrogen-Producing Actinobacterium. Genome Announcements, 2015, 3, .	0.8	21
114	Formation and regeneration of Frankia protoplasts. Physiologia Plantarum, 1987, 70, 259-266.	5.2	20
115	Early signaling in actinorhizal symbioses.. Plant Signaling and Behavior, 2011, 6, 1377-1379.	2.4	20
116	The Genetics of the Frankia-Actinorhizal Symbiosis. , 2018, , 77-109.		20
117	The Families Frankiaceae, Geodermatophilaceae, Acidothermaceae and Sporichthyaceae. , 2006, , 669-681.		18
118	On the nature of fur evolution: A phylogenetic approach in Actinobacteria. BMC Evolutionary Biology, 2008, 8, 185.	3.2	18
119	A unique bacteriohopanetetrol stereoisomer of marine anammox. Organic Geochemistry, 2020, 143, 103994.	1.8	18
120	Diversity of Frankia Strains, Actinobacterial Symbionts of Actinorhizal Plants. Soil Biology, 2013, , 123-148.	0.8	17
121	Candidatus Frankia nodulisporulans sp. nov., an Alnus glutinosa-infective Frankia species unable to grow in pure culture and able to sporulate in-planta. Systematic and Applied Microbiology, 2020, 43, 126134.	2.8	17
122	Nodulation speed of <i>Frankia</i> sp. on <i>Alnus glutinosa</i>, <i>Alnus crispa</i>, and <i>Myrica gale</i>. Canadian Journal of Botany, 1985, 63, 1292-1295.	1.1	16
123	Effect of carbon and nitrogen input on the bacterial community structure of Neocaledonian nickel mine spoils. FEMS Microbiology Ecology, 2005, 51, 333-340.	2.7	16
124	Immunological quantification of the nematode parasitic bacterium Pasteuria penetrans in soil. FEMS Microbiology Ecology, 2001, 37, 187-195.	2.7	15
125	Organic acids metabolism in Frankia alni. Symbiosis, 2016, 70, 37-48.	2.3	15
126	Proposal of 'Candidatus Frankia alpina', the uncultured symbiont of Alnus alnobetula and A. incana that forms spore-containing nitrogen-fixing root nodules. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 5453-5459.	1.7	15

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127	Physiology of some actinomycete genera. Research in Microbiology, 1993, 144, 657-660.	2.1	14
128	Molecular relationship of an atypical Azospirillum strain 4T to other Azospirillum species. Research in Microbiology, 1994, 145, 633-640.	2.1	14
129	DNAâ€“DNA hybridization study of Burkholderia species using genomic DNA macro-array analysis coupled to reverse genome probing. International Journal of Systematic and Evolutionary Microbiology, 2003, 53, 739-746.	1.7	14
130	Genome Sequence of Micromonospora lupini Lupac 08, Isolated from Root Nodules of Lupinus angustifolius. Journal of Bacteriology, 2012, 194, 4135-4135.	2.2	14
131	Lectin genes in the Frankia alni genome. Archives of Microbiology, 2012, 194, 47-56.	2.2	14
132	The PEG-responding desiccome of the alder microsymbiont Frankia alni. Scientific Reports, 2018, 8, 759.	3.3	14
133	Chitinolytic actinobacteria isolated from an Algerian semi-arid soil: development of an antifungal chitinase-dependent assay and GH18 chitinase gene identification. Annals of Microbiology, 2019, 69, 395-405.	2.6	14
134	Omics of the early molecular dialogue between <i>Frankia alni</i> and <i>Alnus glutinosa</i> and the cellulase synton. Environmental Microbiology, 2019, 21, 3328-3345.	3.8	14
135	Isolation and 16S rRNA sequence analysis of the beneficial bacteria from the rhizosphere of rice. Canadian Journal of Microbiology, 2001, 47, 110-117.	1.7	14
136	Evolution and Diversity of Frankia. Microbiology Monographs, 2008, , 103-125.	0.6	13
137	Draft Genome Sequence of <i>Frankia</i> Strain G2, a Nitrogen-Fixing Actinobacterium Isolated from <i>Casuarina equisetifolia</i> and Able To Nodulate Actinorhizal Plants of the Order <i>Rhamnales</i>. Genome Announcements, 2016, 4, .	0.8	13
138	Feedback Regulation of N Fixation in <i>Frankia-Alnus</i> Symbiosis Through Amino Acids Profiling in Field and Greenhouse Nodules. Molecular Plant-Microbe Interactions, 2020, 33, 499-508.	2.6	13
139	Physiological effects of major up-regulated Alnus glutinosa peptides on Frankia sp. ACN14a. Microbiology (United Kingdom), 2016, 162, 1173-1184.	1.8	13
140	Heterologous hybridization ofFrankiaDNA toRhizobium melilotiandKlebsiella pneumoniae nifgenes. FEMS Microbiology Letters, 1988, 55, 141-146.	1.8	12
141	The organization, regulation and phylogeny of uptake hydrogenase genes in Frankia. Physiologia Plantarum, 2007, 130, 464-470.	5.2	12
142	Genome Sequence of the Human- and Animal-Pathogenic Strain Nocardia cyriacigeorgica GUH-2. Journal of Bacteriology, 2012, 194, 2098-2099.	2.2	12
143	The Family Geodermatophilaceae. , 2014, , 361-379.		12
144	Relationship between electroporation conditions, electropermeability and respiratory activity for Frankia strain ACN14a. FEMS Microbiology Letters, 1992, 94, 95-99.	1.8	12

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145	Modulation of Frankia alni ACN14a oxidative stress response: activity, expression and phylogeny of catalases. Physiologia Plantarum, 2007, 130, 454-463.	5.2	11
146	Absence of Cospeciation between the Uncultured<i>Frankia</i>Microsymbionts and the Disjunct Actinorhizal<i>Coriaria</i>Species. BioMed Research International, 2014, 2014, 1-9.	1.9	11
147	Molecular response to nitrogen starvation by Frankia alni ACN14a revealed by transcriptomics and functional analysis with a fosmid library in Escherichia coli. Research in Microbiology, 2018, 169, 90-100.	2.1	11
148	Cloning of Frankia species putative tRNA(Pro) genes and their efficacy for pSAM2 site-specific integration in Streptomyces lividans. Applied and Environmental Microbiology, 1994, 60, 4279-4283.	3.1	11
149	Rapid identification of <i>Medicago</i> nodulating strains by using two oligonucleotide probes complementary to 16S rDNA sequences. Canadian Journal of Microbiology, 1997, 43, 854-861.	1.7	10
150	The Family Frankiaceae. , 2014, , 339-356.		10
151	Presence of a linear plasmid-like DNA molecule in the fungal pathogen Ceratocystis fimbriata Ell. & Halst.. Current Genetics, 1987, 11, 335-338.	1.7	9
152	Construction of a recA mutant of Azospirillum lipoferum and involvement of recA in phase variation*1. FEMS Microbiology Letters, 2004, 236, 291-299.	1.8	9
153	Morphological and molecular characterization of Frankia sp. isolates from nodules of Alnus nepalensis Don. Archives of Microbiology, 1994, 161, 152-155.	2.2	8
154	Frankia ? the friendly bacteria ? infecting actinorhizal plants. Physiologia Plantarum, 2007, 130, 315-317.	5.2	8
155	Draft genome sequences for three unisolated <i>Alnus</i>-infective <i>Frankia</i> Sp+ strains, AgTrS, AiOr and AvVan, the first sequenced <i>Frankia</i> strains able to sporulate <i>in-planta</i>. Journal of Genomics, 2019, 7, 50-55.	0.9	8
156	The phylogeny of uptake hydrogenases in Frankia. International Microbiology, 2009, 12, 23-8.	2.4	8
157	First report on the occurrence of the uncultivated cluster 2 Frankia microsymbionts in soil outside the native actinorhizal host range area. Journal of Biosciences, 2013, 38, 695-698.	1.1	7
158	An update on research on Frankia and actinorhizal plants on the occasion of the 18th meeting of the Frankia-actinorhizal plants symbiosis. Symbiosis, 2016, 70, 1-4.	2.3	7
159	Ionizing-radiation-resistant Kocuria rhizophila PT10 isolated from the Tunisian Sahara xerophyte Panicum turgidum: Polyphasic characterization and proteogenomic arsenal. Genomics, 2021, 113, 317-330.	2.9	7
160	Insertion Sequences as Highly Resolutive Genomic Markers for Sequence Type 1 Legionella pneumophila Paris. Journal of Clinical Microbiology, 2011, 49, 315-324.	3.9	6
161	Adaptations of Prokaryotes to Their Biotopes and to Physicochemical Conditions in Natural or Anthropized Environments. , 2015, , 293-351.		5
162	Comparative genomics and proteogenomics highlight key molecular players involved in Frankia sporulation. Research in Microbiology, 2019, 170, 202-213.	2.1	5

#	Article	IF	Citations
163	Draft genome sequence of Promicromonospora panici sp. nov., a novel ionizing-radiation-resistant actinobacterium isolated from roots of the desert plant Panicum turgidum. Extremophiles, 2021, 25, 25-38.	2.3	5
164	Evolution of Frankia-Casuarinaceae interactions. Genetics Selection Evolution, 1998, 30, 1.	3.0	4
165	Characterization of the sodF gene region of Frankia sp. strain ACN14a and complementation of Escherichia coli sod mutant. Canadian Journal of Microbiology, 2003, 49, 294-300.	1.7	4
166	Characterization of PAS domains in Frankia and selected Actinobacteria and their possible interaction with other co-domains for environmental adaptation. Symbiosis, 2016, 70, 69-78.	2.3	4
167	Roots of the xerophyte Panicum turgidum host a cohort of ionizing-radiation-resistant biotechnologically-valuable bacteria. Saudi Journal of Biological Sciences, 2022, 29, 1260-1268.	3.8	4
168	The Proteogenome of Symbiotic Frankia alni in Alnus glutinosa Nodules. Microorganisms, 2022, 10, 651.	3.6	4
169	Draft Genomes of Nitrogen-fixing<i> Frankia</i> Strains Ag45/Mut15 and AgPM24 Isolated from Root Nodules of <i>Alnus Glutinosa</i>. Journal of Genomics, 2022, 10, 49-56.	0.9	4
170	Comparison of six surface-sterilizing agents for axenic germination of <i>Alnus</i><i>crispa</i> (Ait.) Pursh.. Canadian Journal of Forest Research, 1982, 12, 1003-1005.	1.7	3
171	Biologie et diversitÃ© gÃ©nÃ©tique des souches deFrankiaassociÃ©es aux CasuarinacÃ©es. Acta Botanica Gallica, 1996, 143, 567-580.	0.9	3
172	Contributions of Descriptive and Functional Genomics to Microbial Ecology. , 2015, , 831-846.		3
173	Biodiversity and Microbial Ecosystems Functioning. , 2015, , 261-291.		3
174	Whole-Genome Sequence of a Pantoea sp. Strain Isolated from an Olive (Olea europaea L.) Knot. Microbiology Resource Announcements, 2019, 8, .	0.6	3
175	The Family Acidothermaceae. , 2014, , 13-19.		3
176	Direct characterization of Frankia and of close phyletic neighbors from an Alnus viridis rhizosphere*. Physiologia Plantarum, 1997, 99, 722-731.	5.2	3
177	Genome Sequence of Pseudomonas sp. Strain ST1, Isolated from Olive (Olea europaea L.) Knot Galls in Croatia. Microbiology Resource Announcements, 2019, 8, .	0.6	3
178	Distribution and N2-fixing activity of Frankia strains in relation to soil depth*. Physiologia Plantarum, 1997, 99, 732-738.	5.2	2
179	Taxonomic assignment of uncultured prokaryotes with long range PCR targeting the spectinomycin operon. Research in Microbiology, 2019, 170, 280-287.	2.1	2
180	Computer-assisted selection of restriction enzymes for rrs genes PCR-RFLP discrimination of rhizobial species. Genetics Selection Evolution, 1998, 30, 1.	3.0	1

#	Article	IF	Citations
181	Azospirillum Phylogeny Based on rrs (16S rRNA Gene) Sequences. , 1995, , 129-135.		1
182	Phenotypic and genetic diversity within a colony morphotype. FEMS Microbiology Letters, 1998, 160, 137-143.	1.8	1
183	Molecular Characterization and Detection of the ActinomyceteFrankia in the Environment. , 0, , 121-132.		0
184	Physiol Plant 130: 454â€“463 (2007). Physiologia Plantarum, 2008, 132, 397-397.	5.2	0
185	Evolutionary Success of Prokaryotes. , 2018, , 131-240.		0
186	Phylogeny and Biodiversity of Prokaryotes. , 2018, , 23-55.		0