

Svetlana N Dedysh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1870565/publications.pdf>

Version: 2024-02-01

148
papers

8,547
citations

44444

50
h-index

62345

84
g-index

186
all docs

186
docs citations

186
times ranked

6158
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Distinct Microbial Communities in Elevated Springs and Submerged Flarks in the Boreal Aapa-Type Mire. <i>Microorganisms</i> , 2022, 10, 170.	1.6	2
2	Rokubacteria in Northern Peatlands: Habitat Preferences and Diversity Patterns. <i>Microorganisms</i> , 2022, 10, 11.	1.6	14
3	Wide distribution of <i>Phycisphaera</i> -like planctomycetes from <i>WD2101</i> soil group in peatlands and genome analysis of the first cultivated representative. <i>Environmental Microbiology</i> , 2021, 23, 1510-1526.	1.8	32
4	Complete Genome Sequence of <i>Paludibaculum fermentans</i> P105 ^T , a Facultatively Anaerobic Acidobacterium Capable of Dissimilatory Fe(III) Reduction. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.3	2
5	Thermotolerant Methanotrophic Bacteria from Sediments of the River Chernaya, Crimea, and Assessment of Their Growth Characteristics. <i>Microbiology</i> , 2021, 90, 588-597.	0.5	0
6	Complete genome sequence of the cellulolytic planctomycete <i>Telmatocola sphagniphila</i> SP2T and characterization of the first cellulolytic enzyme from planctomycetes. <i>Systematic and Applied Microbiology</i> , 2021, 44, 126276.	1.2	6
7	Expanding Characterized Diversity and the Pool of Complete Genome Sequences of <i>Methylococcus</i> Species, the Bacteria of High Environmental and Biotechnological Relevance. <i>Frontiers in Microbiology</i> , 2021, 12, 756830.	1.5	7
8	Atmospheric Methane Consumption and Methanotroph Communities in West Siberian Boreal Upland Forest Ecosystems. <i>Forests</i> , 2021, 12, 1738.	0.9	7
9	Peat-Inhabiting Verrucomicrobia of the Order <i>Methylacidiphilales</i> Do Not Possess Methanotrophic Capabilities. <i>Microorganisms</i> , 2021, 9, 2566.	1.6	9
10	100-year-old enigma solved: identification, genomic characterization and biogeography of the yet uncultured <i>Planctomyces bekefii</i> . <i>Environmental Microbiology</i> , 2020, 22, 198-211.	1.8	25
11	<i>Lacipirellula parvula</i> gen. nov., sp. nov., representing a lineage of planctomycetes widespread in low-oxygen habitats, description of the family <i>Lacipirellulaceae</i> fam. nov. and proposal of the orders <i>Pirellulales</i> ord. nov., <i>Gemmatales</i> ord. nov. and <i>Isosphaerales</i> ord. nov.. <i>Systematic and Applied Microbiology</i> , 2020, 43, 126050.	1.2	134
12	Antimicrobial Activity of a Novel Freshwater Planctomycete <i>Lacipirellula parvula</i> PX69T. <i>Microbiology</i> , 2020, 89, 503-509.	0.5	9
13	Molecular Analysis of the Microbial Community Developing in Continuous Culture of <i>Methylococcus</i> sp. Concept-8 on Natural Gas. <i>Microbiology</i> , 2020, 89, 551-559.	0.5	4
14	<i>Frigoriglobus tundricola</i> gen. nov., sp. nov., a psychrotolerant cellulolytic planctomycete of the family <i>Gemmataceae</i> from a littoral tundra wetland. <i>Systematic and Applied Microbiology</i> , 2020, 43, 126129.	1.2	36
15	Analysis of the Complete Genome Sequence of Strain Concept-8, a Novel Representative of the Genus <i>Methylococcus</i> . <i>Microbiology</i> , 2020, 89, 309-317.	0.5	1
16	Linking ecology and systematics of acidobacteria: Distinct habitat preferences of the <i>Acidobacteriia</i> and <i>Blastocatellia</i> in tundra soils. <i>PLoS ONE</i> , 2020, 15, e0230157.	1.1	65
17	Closely Located but Totally Distinct: Highly Contrasting Prokaryotic Diversity Patterns in Raised Bogs and Eutrophic Fens. <i>Microorganisms</i> , 2020, 8, 484.	1.6	25
18	<i>Limnoglobus roseus</i> gen. nov., sp. nov., a novel freshwater planctomycete with a giant genome from the family <i>Gemmataceae</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 1240-1249.	0.8	30

#	ARTICLE	IF	CITATIONS
19	Pan-Genome-Based Analysis as a Framework for Demarcating Two Closely Related Methanotroph Genera <i>Methylocystis</i> and <i>Methylosinus</i> . <i>Microorganisms</i> , 2020, 8, 768.	1.6	15
20	Methane-Oxidizing Communities in Lichen-Dominated Forested Tundra Are Composed Exclusively of High-Affinity $USC1\pm$ Methanotrophs. <i>Microorganisms</i> , 2020, 8, 2047.	1.6	11
21	Title is missing!. , 2020, 15, e0230157.		0
22	Title is missing!. , 2020, 15, e0230157.		0
23	Title is missing!. , 2020, 15, e0230157.		0
24	Title is missing!. , 2020, 15, e0230157.		0
25	Detection of Chitinolytic Capabilities in the Freshwater Planctomycete <i>Planctomicrobium piriforme</i> . <i>Microbiology</i> , 2019, 88, 423-432.	0.5	16
26	Draft Genome Sequence of <i>Methylocystis heyeri</i> H2 T , a Methanotroph with Habitat-Specific Adaptations, Isolated from a Peatland Ecosystem. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	3
27	Fatty Acid and Hopanoid Adaption to Cold in the Methanotroph <i>Methylovulum psychrotolerans</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 589.	1.5	35
28	Genomic Determinants of Phototrophy in Methanotrophic Alphaproteobacteria. <i>Microbiology</i> , 2019, 88, 548-555.	0.5	7
29	<i>Methylotetracoccus oryzae</i> Strain C50C1 Is a Novel Type Ib Gammaproteobacterial Methanotroph Adapted to Freshwater Environments. <i>MSphere</i> , 2019, 4, .	1.3	14
30	Complete Genome Sequence of the Aerobic Facultative Methanotroph <i>Methylocella tundrae</i> Strain T4. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	5
31	Widespread soil bacterium that oxidizes atmospheric methane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8515-8524.	3.3	149
32	Thriving in Wetlands: Ecophysiology of the Spiral-Shaped Methanotroph <i>Methylospira mobilis</i> as Revealed by the Complete Genome Sequence. <i>Microorganisms</i> , 2019, 7, 683.	1.6	11
33	Planctomycetes in boreal and subarctic wetlands: diversity patterns and potential ecological functions. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	91
34	Methanotrophy in Acidic Soils, Including Northern Peatlands. , 2019, , 1-25.		2
35	Methanotrophy in Acidic Soils, Including Northern Peatlands. , 2019, , 133-156.		3
36	Facultative Methane Oxidizers. , 2019, , 279-297.		2

#	ARTICLE	IF	CITATIONS
37	<i>Granulicella sibirica</i> sp. nov., a psychrotolerant acidobacterium isolated from an organic soil layer in forested tundra, West Siberia. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 1195-1201.	0.8	13
38	Fatty Acid and Hopanoid Adaption to Cold in the Methanotroph <i>Methylovulum Psychrotolerans</i> . , 2019, , .		0
39	Genome Analysis of <i>Fimbrigiobus ruber</i> SP5 ^T , a Planctomycete with Confirmed Chitinolytic Capability. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	59
40	Unusual Genomic Traits Suggest <i>Methylocystis bryophila</i> S285 to Be Well Adapted for Life in Peatlands. <i>Genome Biology and Evolution</i> , 2018, 10, 623-628.	1.1	18
41	Draft Genome Sequence of <i>Methylovulum psychrotolerans</i> Sph1 T, an Obligate Methanotroph from Low-Temperature Environments. <i>Genome Announcements</i> , 2018, 6, .	0.8	5
42	Metatranscriptomics reveals the hydrolytic potential of peat-inhabiting Planctomycetes. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 801-809.	0.7	30
43	Distinct diversity patterns of Planctomycetes associated with the freshwater macrophyte <i>Nuphar lutea</i> (L.) Smith. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 811-823.	0.7	19
44	Hydrolytic Capabilities as a Key to Environmental Success: Chitinolytic and Cellulolytic Acidobacteria From Acidic Sub-arctic Soils and Boreal Peatlands. <i>Frontiers in Microbiology</i> , 2018, 9, 2775.	1.5	59
45	Facultative Methane Oxidizers. , 2018, , 1-20.		3
46	Diversity and Phylogeny of Described Aerobic Methanotrophs. , 2018, , 17-42.		28
47	An overview of the occurrence of ether- and ester-linked iso-diabolic acid membrane lipids in microbial cultures of the Acidobacteria: Implications for brGDGT paleoproxies for temperature and pH. <i>Organic Geochemistry</i> , 2018, 124, 63-76.	0.9	117
48	<i>Edaphobacter lichenicola</i> sp. nov., a member of the family Acidobacteriaceae from lichen-dominated forested tundra. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 1265-1270.	0.8	18
49	Refining the taxonomic structure of the phylum Acidobacteria. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 3796-3806.	0.8	101
50	Comparative Genomics of Four Isosphaeraceae Planctomycetes: A Common Pool of Plasmids and Glycoside Hydrolase Genes Shared by <i>Paludisphaera borealis</i> PX4T, <i>Isosphaera pallida</i> IS1BT, <i>Singulisphaera acidiphila</i> DSM 18658T, and Strain SH-PL62. <i>Frontiers in Microbiology</i> , 2017, 8, 412.	1.5	47
51	Pheno- and Genotyping of Hopanoid Production in Acidobacteria. <i>Frontiers in Microbiology</i> , 2017, 8, 968.	1.5	26
52	Draft Genome Sequence of <i>Methylocapsa palarum</i> NE2 T, an Obligate Methanotroph from Subarctic Soil. <i>Genome Announcements</i> , 2017, 5, .	0.8	13
53	<i>Fimbrigiobus ruber</i> gen. nov., sp. nov., a Gemmata-like planctomycete from Sphagnum peat bog and the proposal of Gemmataceae fam. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 218-224.	0.8	56
54	Defining the taxonomic status of described subdivision 3 Acidobacteria: proposal of Bryobacteraceae fam. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 498-501.	0.8	59

#	ARTICLE	IF	CITATIONS
55	<i>Tundrisphaera lichenicola</i> gen. nov., sp. nov., a psychrotolerant representative of the family Isosphaeraceae from lichen-dominated tundra soils. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 3583-3589.	0.8	30
56	High Diversity of Planctomycetes in Soils of Two Lichen-Dominated Sub-Arctic Ecosystems of Northwestern Siberia. <i>Frontiers in Microbiology</i> , 2016, 7, 2065.	1.5	73
57	A new cell morphotype among methane oxidizers: a spiral-shaped obligately microaerophilic methanotroph from northern low-oxygen environments. <i>ISME Journal</i> , 2016, 10, 2734-2743.	4.4	66
58	Identification of microbial populations driving biopolymer degradation in acidic peatlands by metatranscriptomic analysis. <i>Molecular Ecology</i> , 2016, 25, 4818-4835.	2.0	60
59	Microbial community composition and methanotroph diversity of a subarctic wetland in Russia. <i>Microbiology</i> , 2016, 85, 583-591.	0.5	29
60	<i>Paludisphaera borealis</i> gen. nov., sp. nov., a hydrolytic planctomycete from northern wetlands, and proposal of Isosphaeraceae fam. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 837-844.	0.8	53
61	<i>Methylovulum psychrotolerans</i> sp. nov., a cold-adapted methanotroph from low-temperature terrestrial environments, and emended description of the genus <i>Methylovulum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 2417-2423.	0.8	38
62	Emended description of the family Beijerinckiaceae and transfer of the genera <i>Chelatococcus</i> and <i>Camelimonas</i> to the family Chelatococcaceae fam. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 3177-3182.	0.8	31
63	Draft Genome Sequence of <i>Methyloferula stellata</i> AR4, an Obligate Methanotroph Possessing Only a Soluble Methane Monooxygenase. <i>Genome Announcements</i> , 2015, 3, .	0.8	28
64	Abundant Trimethylornithine Lipids and Specific Gene Sequences Are Indicative of Planctomycete Importance at the Oxic/Anoxic Interface in Sphagnum-Dominated Northern Wetlands. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6333-6344.	1.4	41
65	Decline of activity and shifts in the methanotrophic community structure of an ombrotrophic peat bog after wildfire. <i>Microbiology</i> , 2015, 84, 624-629.	0.5	12
66	Methane-fed microbial microcosms show differential community dynamics and pinpoint taxa involved in communal response. <i>ISME Journal</i> , 2015, 9, 1119-1129.	4.4	118
67	<i>Planctomicrobium piriforme</i> gen. nov., sp. nov., a stalked planctomycete from a littoral wetland of a boreal lake. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1659-1665.	0.8	38
68	<i>Methylocapsa palsarum</i> sp. nov., a methanotroph isolated from a subArctic discontinuous permafrost ecosystem. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 3618-3624.	0.8	42
69	Shifts in a bacterial community composition of a mesotrophic peatland after wildfire. <i>Microbiology</i> , 2014, 83, 813-819.	0.5	9
70	Cultivation of Methanotrophs. <i>Springer Protocols</i> , 2014, , 231-247.	0.1	28
71	Descriptions of <i>Roseiarcus fermentans</i> gen. nov., sp. nov., a bacteriochlorophyll a-containing fermentative bacterium related phylogenetically to alphaproteobacterial methanotrophs, and of the family Roseiarcaceae fam. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 2558-2565.	0.8	50
72	Gammaproteobacterial Methanotrophs Dominate Cold Methane Seeps in Floodplains of West Siberian Rivers. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5944-5954.	1.4	27

#	ARTICLE	IF	CITATIONS
73	Abundance and diversity of methanotrophic Gammaproteobacteria in northern wetlands. <i>Microbiology</i> , 2014, 83, 67-76.	0.5	19
74	Phylogeny of Î ² -xylanases from Planctomycetes. <i>Molecular Biology</i> , 2014, 48, 439-447.	0.4	12
75	<i>Paludibaculum fermentans</i> gen. nov., sp. nov., a facultative anaerobe capable of dissimilatory iron reduction from subdivision 3 of the Acidobacteria. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 2857-2864.	0.8	72
76	<i>Methylocella</i> : a gourmand among methanotrophs. <i>Trends in Microbiology</i> , 2014, 22, 368-369.	3.5	35
77	<i>Methylocystis bryophila</i> sp. nov., a facultatively methanotrophic bacterium from acidic Sphagnum peat, and emended description of the genus <i>Methylocystis</i> (ex Whittenbury et al. 1970) Bowman et al. 1993. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 1096-1104.	0.8	74
78	Filterable microbial forms in the Rybinsk water reservoir. <i>Microbiology</i> , 2013, 82, 728-734.	0.5	6
79	Methanotrophic bacteria in cold seeps of the floodplains of northern rivers. <i>Microbiology</i> , 2013, 82, 743-750.	0.5	13
80	<i>Methylomonas paludis</i> sp. nov., the first acid-tolerant member of the genus <i>Methylomonas</i> , from an acidic wetland. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 2282-2289.	0.8	63
81	Novel Mono-, Di-, and Trimethylornithine Membrane Lipids in Northern Wetland Planctomycetes. <i>Applied and Environmental Microbiology</i> , 2013, 79, 6874-6884.	1.4	44
82	Microbiology of wetlands. <i>Frontiers in Microbiology</i> , 2013, 4, 79.	1.5	61
83	Acidophilic Planctomycetes: Expanding the Horizons of New Planctomycete Diversity. , 2013, , 125-139.		9
84	Pyrosequencing-Based Assessment of the Bacteria Diversity in Surface and Subsurface Peat Layers of a Northern Wetland, with Focus on Poorly Studied Phyla and Candidate Divisions. <i>PLoS ONE</i> , 2013, 8, e63994.	1.1	165
85	<i>Telmatocola sphagniphila</i> gen. nov., sp. nov., a Novel Dendriform Planctomycete from Northern Wetlands. <i>Frontiers in Microbiology</i> , 2012, 3, 146.	1.5	64
86	Lateral gene transfer between the <i>Bacteroidetes</i> and <i>Acidobacteria</i> : The case of Î±-D-glucosaminidases. <i>FEBS Letters</i> , 2012, 586, 3843-3851.	1.3	43
87	<i>Bryocella elongata</i> gen. nov., sp. nov., a member of subdivision 1 of the Acidobacteria isolated from a methanotrophic enrichment culture, and emended description of <i>Edaphobacter aggregans</i> Koch et al. 2008. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 654-664.	0.8	72
88	<i>Acidicapsa borealis</i> gen. nov., sp. nov. and <i>Acidicapsa ligni</i> sp. nov., subdivision 1 Acidobacteria from Sphagnum peat and decaying wood. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 1512-1520.	0.8	66
89	A novel filamentous planctomycete of the <i>Isosphaera</i> - <i>Singulisphaera</i> group isolated from a Sphagnum peat bog. <i>Microbiology</i> , 2012, 81, 446-452.	0.5	11
90	Prokaryotic ultramicroforms in a Sphagnum peat bog of upper Volga catchment. <i>Microbiology</i> , 2012, 81, 614-620.	0.5	5

#	ARTICLE	IF	CITATIONS
91	<i>Singulisphaera rosea</i> sp. nov., a planctomycete from acidic Sphagnum peat, and emended description of the genus <i>Singulisphaera</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 118-123.	0.8	42
92	Abundance, Diversity, and Depth Distribution of Planctomycetes in Acidic Northern Wetlands. <i>Frontiers in Microbiology</i> , 2012, 3, 5.	1.5	55
93	<i>Telmatobacter bradus</i> gen. nov., sp. nov., a cellulolytic facultative anaerobe from subdivision 1 of the Acidobacteria, and emended description of <i>Acidobacterium capsulatum</i> Kishimoto et al. 1991. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 430-437.	0.8	137
94	Molecular identification of filterable bacteria and archaea in the water of acidic lakes of northern Russia. <i>Microbiology</i> , 2012, 81, 281-287.	0.5	10
95	13,16-Dimethyl Octacosanedioic Acid (<i>iso</i> -Diabolic Acid), a Common Membrane-Spanning Lipid of Acidobacteria Subdivisions 1 and 3. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4147-4154.	1.4	359
96	Acetate utilization as a survival strategy of peat-inhabiting <i>Methylocystis</i> spp.. <i>Environmental Microbiology Reports</i> , 2011, 3, 36-46.	1.0	109
97	Facultative and Obligate Methanotrophs. <i>Methods in Enzymology</i> , 2011, 495, 31-44.	0.4	61
98	<i>Methyloferula stellata</i> gen. nov., sp. nov., an acidophilic, obligately methanotrophic bacterium that possesses only a soluble methane monooxygenase. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 2456-2463.	0.8	233
99	Cultivating Uncultured Bacteria from Northern Wetlands: Knowledge Gained and Remaining Gaps. <i>Frontiers in Microbiology</i> , 2011, 2, 184.	1.5	142
100	Bacterial populations and environmental factors controlling cellulose degradation in an acidic <i>Sphagnum</i> peat. <i>Environmental Microbiology</i> , 2011, 13, 1800-1814.	1.8	204
101	Phylogenetic composition of bacterial communities in small boreal lakes and ombrotrophic bogs of the upper Volga basin. <i>Microbiology</i> , 2011, 80, 549-557.	0.5	8
102	<i>Methylocapsa aurea</i> sp. nov., a facultative methanotroph possessing a particulate methane monooxygenase, and emended description of the genus <i>Methylocapsa</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 2659-2664.	0.8	120
103	<i>Bryobacter aggregatus</i> gen. nov., sp. nov., a peat-inhabiting, aerobic chemo-organotroph from subdivision 3 of the Acidobacteria. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 301-306.	0.8	131
104	Complete Genome Sequence of the Aerobic Facultative Methanotroph <i>Methylocella silvestris</i> BL2. <i>Journal of Bacteriology</i> , 2010, 192, 3840-3841.	1.0	79
105	Complete Genome Sequence of <i>Beijerinckia indica</i> subsp. <i>indica</i> . <i>Journal of Bacteriology</i> , 2010, 192, 4532-4533.	1.0	19
106	<i>Granulicella paludicola</i> gen. nov., sp. nov., <i>Granulicella pectinivorans</i> sp. nov., <i>Granulicella aggregans</i> sp. nov. and <i>Granulicella rosea</i> sp. nov., acidophilic, polymer-degrading acidobacteria from Sphagnum peat bogs. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 2951-2959.	0.8	153
107	<i>Methylovirgula ligni</i> gen. nov., sp. nov., an obligately acidophilic, facultatively methylotrophic bacterium with a highly divergent <i>mxhF</i> gene. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 2538-2545.	0.8	53
108	<i>Zavarzinella formosa</i> gen. nov., sp. nov., a novel stalked, Gemmata-like planctomycete from a Siberian peat bog. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 357-364.	0.8	80

#	ARTICLE	IF	CITATIONS
109	Cellulolytic streptomycetes from Sphagnum peat bogs and factors controlling their activity. <i>Microbiology</i> , 2009, 78, 227-233.	0.5	14
110	Exploring methanotroph diversity in acidic northern wetlands: Molecular and cultivation-based studies. <i>Microbiology</i> , 2009, 78, 655-669.	0.5	89
111	Larkinella arboricola sp. nov., a new spiral-shaped bacterium of the phylum Bacteroidetes isolated from the microbial community of decomposing wood. <i>Microbiology</i> , 2009, 78, 741-746.	0.5	16
112	Acidisoma tundrae gen. nov., sp. nov. and Acidisoma sibiricum sp. nov., two acidophilic, psychrotolerant members of the Alphaproteobacteria from acidic northern wetlands. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 2283-2290.	0.8	44
113	Substrate-induced growth and isolation of <i>Acidobacteria</i> from acidic <i>Sphagnum</i> peat. <i>ISME Journal</i> , 2008, 2, 551-560.	4.4	111
114	Inadequacy of enrichment culture technique for assessing the structure of methanotrophic communities in peat soil. <i>Microbiology</i> , 2008, 77, 504-507.	0.5	9
115	Singulisphaera acidiphila gen. nov., sp. nov., a non-filamentous, Isosphaera-like planctomycete from acidic northern wetlands. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 1186-1193.	0.8	110
116	Methylcystis heyeri sp. nov., a novel type II methanotrophic bacterium possessing a "signature" fatty acids of type I methanotrophs. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 472-479.	0.8	123
117	Schlesneria paludicola gen. nov., sp. nov., the first acidophilic member of the order Planctomycetales, from Sphagnum-dominated boreal wetlands. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 2680-2687.	0.8	93
118	Mucilaginibacter paludis gen. nov., sp. nov. and Mucilaginibacter gracilis sp. nov., pectin-, xylan- and laminarin-degrading members of the family Sphingobacteriaceae from acidic Sphagnum peat bog. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 2349-2354.	0.8	200
119	Analysis of the bacterial community developing in the course of Sphagnum moss decomposition. <i>Microbiology</i> , 2007, 76, 621-629.	0.5	39
120	Mucilaginibacter paludis gen. nov., sp. nov. and Mucilaginibacter gracilis sp. nov., pectin-, xylan- and laminarin-degrading members of the family Sphingobacteriaceae from acidic Sphagnum peat bog. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 2979-2979.	0.8	3
121	Phylogenetic Analysis and In Situ Identification of Bacteria Community Composition in an Acidic Sphagnum Peat Bog. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2110-2117.	1.4	262
122	Bacteria of the genus Burkholderia as a typical component of the microbial community of Sphagnum peat bogs. <i>Microbiology</i> , 2006, 75, 90-96.	0.5	39
123	Detection of representatives of the Planctomycetes in Sphagnum peat bogs by molecular and cultivation approaches. <i>Microbiology</i> , 2006, 75, 329-335.	0.5	28
124	High abundance of planctomycetes in anoxic layers of a Sphagnum peat bog. <i>Microbiology</i> , 2006, 75, 716-719.	0.5	17
125	Isolation of aerobic, gliding, xylanolytic and laminarinolytic bacteria from acidic Sphagnum peatlands and emended description of Chitinophaga arvensicola Kämpfer et al. 2006. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 2761-2764.	0.8	36
126	Rhodoblastus sphagnicola sp. nov., a novel acidophilic purple non-sulfur bacterium from Sphagnum peat bog. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1397-1402.	0.8	43

#	ARTICLE	IF	CITATIONS
127	<i>Asticcacaulis benevestitus</i> sp. nov., a psychrotolerant, dimorphic, prosthecate bacterium from tundra wetland soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 2083-2088.	0.8	38
128	Retrieval of first genome data for rice cluster I methanogens by a combination of cultivation and molecular techniques. <i>FEMS Microbiology Ecology</i> , 2005, 53, 187-204.	1.3	44
129	Regulation of methane oxidation in the facultative methanotroph <i>Methylocella silvestris</i> BL2. <i>Molecular Microbiology</i> , 2005, 58, 682-692.	1.2	126
130	Methanol and Glucose Metabolism in <i>Beijerinckia mobilis</i> . <i>Microbiology</i> , 2005, 74, 615-618.	0.5	0
131	Evaluation of the Phylogenetic Diversity of Prokaryotic Microorganisms in Sphagnum Peat Bogs by Means of Fluorescence In Situ Hybridization (FISH). <i>Microbiology</i> , 2005, 74, 722-728.	0.5	25
132	<i>Methylocella</i> Species Are Facultatively Methanotrophic. <i>Journal of Bacteriology</i> , 2005, 187, 4665-4670.	1.0	265
133	Methylotrophic Autotrophy in <i>Beijerinckia mobilis</i> . <i>Journal of Bacteriology</i> , 2005, 187, 3884-3888.	1.0	53
134	Methane utilization by <i>Methylobacterium</i> species: new evidence but still no proof for an old controversy. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 1919-1920.	0.8	25
135	NifH and NifD phylogenies: an evolutionary basis for understanding nitrogen fixation capabilities of methanotrophic bacteria. <i>Microbiology (United Kingdom)</i> , 2004, 150, 1301-1313.	0.7	123
136	<i>Methylocella tundrae</i> sp. nov., a novel methanotrophic bacterium from acidic tundra peatlands. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 151-156.	0.8	156
137	Inhibition of Growth and Methane Consumption in <i>Methylocapsa acidiphila</i> by Mineral Salts. <i>Microbiology</i> , 2004, 73, 488-490.	0.5	3
138	Differential detection of type II methanotrophic bacteria in acidic peatlands using newly developed 16S rRNA-targeted fluorescent oligonucleotide probes. <i>FEMS Microbiology Ecology</i> , 2003, 43, 299-308.	1.3	80
139	<i>Methylocella silvestris</i> sp. nov., a novel methanotroph isolated from an acidic forest cambisol. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 1231-1239.	0.8	211
140	Isolation of a <i>Methylocystis</i> strain containing a novel pmoA-like gene. <i>FEMS Microbiology Ecology</i> , 2002, 41, 17-26.	1.3	56
141	Methanotrophic Bacteria of Acidic Sphagnum Peat Bogs. <i>Microbiology</i> , 2002, 71, 638-650.	0.5	54
142	<i>Methylocapsa acidiphila</i> gen. nov., sp. nov., a novel methane-oxidizing and dinitrogen-fixing acidophilic bacterium from Sphagnum bog. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2002, 52, 251-261.	0.8	240
143	A novel pmoA lineage represented by the acidophilic methanotrophic bacterium <i>Methylocapsa acidiphila</i> B2. <i>Archives of Microbiology</i> , 2001, 177, 117-121.	1.0	34
144	Detection and Enumeration of Methanotrophs in Acidic Sphagnum Peat by 16S rRNA Fluorescence In Situ Hybridization, Including the Use of Newly Developed Oligonucleotide Probes for <i>Methylocella palustris</i> . <i>Applied and Environmental Microbiology</i> , 2001, 67, 4850-4857.	1.4	141

#	ARTICLE	IF	CITATIONS
145	Cold season CH ₄ and CO ₂ emission from boreal peat bogs (West Siberia): Winter fluxes and thaw activation dynamics. <i>Global Biogeochemical Cycles</i> , 2000, 14, 1071-1080.	1.9	173
146	Isolation of Acidophilic Methane-Oxidizing Bacteria from Northern Peat Wetlands. , 1998, 282, 281-284.		128
147	Acidophilic Methanotrophic Communities from <i>Sphagnum</i> Peat Bogs. <i>Applied and Environmental Microbiology</i> , 1998, 64, 922-929.	1.4	161
148	Isolation of a <i>Methylocystis</i> strain containing a novel <i>pmo A</i> -like gene. , 0, .		2