

Irina S Kulichevskaya

List of Publications by Citations

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50
papers

1,567
citations

25
h-index

39
g-index

52
ext. papers

2,034
ext. citations

2.7
avg, IF

4.53
L-index

#	Paper	IF	Citations
50	Phylogenetic analysis and in situ identification of bacteria community composition in an acidic Sphagnum peat bog. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 2110-7	4.8	235
49	Bryobacter aggregatus 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	2.2	88
48	Substrate-induced growth and isolation of Acidobacteria from acidic Sphagnum peat. <i>ISME Journal</i> , 2008 , 2, 551-60	11.9	86
47	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, 1186-93	2.2	82
46	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	2.2	74
45	Zavarzinella formosa 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, 357-64	2.2	67
44	Lacipirellula parvula gen. nov., sp. nov., representing a lineage of planctomycetes widespread in low-oxygen habitats, description of the family Lacipirellulaceae fam. nov. and proposal of the orders Pirellulales ord. nov., Gemmatales ord. nov. and Isosphaerales ord. nov. <i>Systematic and Evolutionary Microbiology</i> , 2008 , 58, 1010-1020	4.2	59
43	Bryocella elongata gen. nov., sp. nov., a member of subdivision 1 of the Acidobacteria isolated from a methanotrophic enrichment culture, and emended description of Edaphobacter aggregans Koch et al. 2008. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012 , 62, 654-664	2.2	55
42	Telmatocola sphagniphila gen. nov., sp. nov., a novel dendriform planctomycete from northern wetlands. <i>Frontiers in Microbiology</i> , 2012 , 3, 146	5.7	52
41	Methylocystis bryophila sp. nov., a facultatively methanotrophic bacterium from acidic Sphagnum peat, and emended description of the genus Methylocystis (ex Whittenbury et al. 1970) Bowman et al. 1993. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013 , 63, 1096-1104	2.2	51
40	Acidicapsa borealis gen. nov., sp. nov. and Acidicapsa ligni sp. nov., subdivision 1 Acidobacteria from Sphagnum peat and decaying wood. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012 , 62, 1512-1520	2.2	50
39	Methylomonas paludis sp. nov., the first acid-tolerant member of the genus Methylomonas, from an acidic wetland. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013 , 63, 2282-2289	2.2	46
38	Paludibaculum fermentans 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	2.2	45
37	High Diversity of in Soils of Two Lichen-Dominated Sub-Arctic Ecosystems of Northwestern Siberia. <i>Frontiers in Microbiology</i> , 2016 , 7, 2065	5.7	41
36	Novel mono-, di-, and trimethylornithine membrane lipids in northern wetland planctomycetes. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 6874-84	4.8	36
35	Genome Analysis of Fimbriiglobus ruber SP5, a Planctomycete with Confirmed Chitinolytic Capability. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	35
34	Fimbriiglobus ruber 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	2.2	34

33	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	2.2	34
32	<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	2.2	33
31	<i>Rhodoblastus sphagnicola</i> 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	2.2	33
30	Analysis of the bacterial community developing in the course of Sphagnum moss decomposition. <i>Microbiology</i> , 2007 , 76, 621-629	1.4	29
29	Isolation of aerobic, gliding, xylanolytic and laminarinolytic bacteria from acidic Sphagnum peatlands and emended description of <i>Chitinophaga arvensicola</i> Kampfer et al. 2006. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006 , 56, 2761-2764	2.2	29
28	gen. nov., sp. nov., a hydrolytic planctomycete from northern wetlands, and proposal of fam. nov. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016 , 66, 837-844	2.2	29
27	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 <i>Roseiarcaceae</i> fam. nov. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014 , 64, 2558-2565	2.2	27
26	Detection of representatives of the Planctomycetes in Sphagnum peat bogs by molecular and cultivation approaches. <i>Microbiology</i> , 2006 , 75, 329-335	1.4	25
25	<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	2.2	24
24	<i>Tundrisphaera lichenicola</i> gen. nov., sp. nov., a psychrotolerant representative of the family <i>Isophaeraceae</i> from lichen-dominated tundra soils. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017 , 67, 3583-3589	2.2	17
23	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	5.2	16
22	gen. nov., sp. nov., a novel freshwater planctomycete with a giant genome from the family. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020 , 70, 1240-1249	2.2	14
21	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	2.1	13
20	Anaerobic ammonium oxidation (Anammox) in immobilized activated sludge biofilms during the treatment of weak wastewater. <i>Microbiology</i> , 2012 , 81, 25-34	1.4	12
19	<i>Larkinella arboricola</i> 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	1.4	11
18	<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, 1261-1294	4.2	11
17	Molecular identification of filterable bacteria and archaea in the water of acidic lakes of northern Russia. <i>Microbiology</i> , 2012 , 81, 281-287	1.4	10
16	Microbial communities within the water column of freshwater Lake Radok, East Antarctica: predominant 16S rDNA phylotypes and bacterial cultures. <i>Polar Biology</i> , 2017 , 40, 823-836	2	9

15	Acidophilic Planctomycetes: Expanding the Horizons of New Planctomycete Diversity 2013 , 125-139		8
14	Decline of activity and shifts in the methanotrophic community structure of an ombrotrophic peat bog after wildfire. <i>Microbiology</i> , 2015 , 84, 624-629	1.4	7
13	Shifts in a bacterial community composition of a mesotrophic peatland after wildfire. <i>Microbiology</i> , 2014 , 83, 813-819	1.4	7
12	Phylogenetic composition of bacterial communities in small boreal lakes and ombrotrophic bogs of the upper Volga basin. <i>Microbiology</i> , 2011 , 80, 549-557	1.4	7
11	A novel filamentous planctomycete of the Isosphaera-Singulisphaera group isolated from a Sphagnum peat bog. <i>Microbiology</i> , 2012 , 81, 446-452	1.4	6
10	<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	2.2	6
9	Wide distribution of Phycisphaera-like planctomycetes from WD2101 soil group in peatlands and genome analysis of the first cultivated representative. <i>Environmental Microbiology</i> , 2021 , 23, 1510-1526	5.2	4
8	Natural post-fire bog recovery. <i>Water Resources</i> , 2014 , 41, 353-363	0.9	3
7	Effect of Butyric Acid on the Physiological Activity of Hydrocarbon-Oxidizing Rhodococci. <i>Microbiology</i> , 2001 , 70, 263-269	1.4	2
6	Complete genome sequence of the cellulolytic planctomycete <i>Telmatocola sphagniphila</i> SP2 and characterization of the first cellulolytic enzyme from planctomycetes. <i>Systematic and Applied Microbiology</i> , 2021 , 44, 126276	4.2	2
5	Schlesneria 2015 , 1-5		1
4	Singulisphaera 2015 , 1-5		
3	Singulisphaera1-7		
2	Zavarzinella1-6		
1	Planctomicrobium1-7		