Irina S Kulichevskaya

List of Publications by Year in Descending Order

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	Complete genome sequence of the cellulolytic planctomycete Telmatocola sphagniphila SP2 and characterization of the first cellulolytic enzyme from planctomycetes. *Systematic and Applied Microbiology*, **2021**, 44, 126276	4.2	2
49	Wide distribution of Phycisphaera-like planctomycetes from WD2101 soil group in peatlands and genome analysis of the first cultivated representative. *Environmental Microbiology*, **2021**, 23, 1510-1526	5.2	4
48	gen. nov., sp. nov., a novel freshwater planctomycete with a giant genome from the family. *International Journal of Systematic and Evolutionary Microbiology*, **2020**, 70, 1240-1249	2.2	14
47	100-year-old enigma solved: identification, genomic characterization and biogeography of the yet uncultured Planctomyces bekefii. *Environmental Microbiology*, **2020**, 22, 198-211	5.2	16
46	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. *Systematic and Applied Microbiology*, **2020**, 43, 126050	4.2	59
45	Frigoriglobus tundricola gen. nov., sp. nov., a psychrotolerant cellulolytic planctomycete of the family Gemmataceae from a littoral tundra wetland. *Systematic and Applied Microbiology*, **2020**, 43, 126129	4.2	11
44	Granulicella sibirica sp. nov., a psychrotolerant acidobacterium isolated from an organic soil layer in forested tundra, West Siberia. *International Journal of Systematic and Evolutionary Microbiology*, **2019**, 69, 1195-1201	2.2	6
43	Genome Analysis of Fimbriiglobus ruber SP5, a Planctomycete with Confirmed Chitinolytic Capability. *Applied and Environmental Microbiology*, **2018**, 84,	4.8	35
42	Distinct diversity patterns of Planctomycetes associated with the freshwater macrophyte Nuphar lutea (L.) Smith. *Antonie Van Leeuwenhoek*, **2018**, 111, 811-823	2.1	13
41	Microbial communities within the water column of freshwater Lake Radok, East Antarctica: predominant 16S rDNA phylotypes and bacterial cultures. *Polar Biology*, **2017**, 40, 823-836	2	9
40	Fimbriiglobus ruber gen. nov., sp. nov., a Gemmata-like planctomycete from Sphagnum peat bog and the proposal of Gemmataceae fam. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 218-224	2.2	34
39	Defining the taxonomic status of described subdivision 3 Acidobacteria: proposal of Bryobacteraceae fam. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 498-501	2.2	34
38	Tundrisphaera lichenicola gen. nov., sp. nov., a psychrotolerant representative of the family Isosphaeraceae from lichen-dominated tundra soils. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 3583-3589	2.2	17
37	gen. nov., sp. nov., a hydrolytic planctomycete from northern wetlands, and proposal of fam. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2016**, 66, 837-844	2.2	29
36	High Diversity of in Soils of Two Lichen-Dominated Sub-Arctic Ecosystems of Northwestern Siberia. *Frontiers in Microbiology*, **2016**, 7, 2065	5.7	41
35	Decline of activity and shifts in the methanotrophic community structure of an ombrotrophic peat bog after wildfire. *Microbiology*, **2015**, 84, 624-629	1.4	7
34	Schlesneria **2015**, 1-5		1

33	Singulisphaera **2015**, 1-5		
32	Planctomicrobium piriforme gen. nov., sp. nov., a stalked planctomycete from a littoral wetland of a boreal lake. *International Journal of Systematic and Evolutionary Microbiology*, **2015**, 65, 1659-1665	2.2	24
31	Descriptions of Roseiarcus fermentans gen. nov., sp. nov., a bacteriochlorophyll a-containing fermentative bacterium related phylogenetically to alphaproteobacterial methanotrophs, and of the family Roseiarcaceae fam. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2014**, 64, 2558-2565	2.2	27
30	Natural post-fire bog recovery. *Water Resources*, **2014**, 41, 353-363	0.9	3
29	Paludibaculum fermentans gen. nov., sp. nov., a facultative anaerobe capable of dissimilatory iron reduction from subdivision 3 of the Acidobacteria. *International Journal of Systematic and Evolutionary Microbiology*, **2014**, 64, 2857-2864	2.2	45
28	Shifts in a bacterial community composition of a mesotrophic peatland after wildfire. *Microbiology*, **2014**, 83, 813-819	1.4	7
27	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. *International Journal of Systematic and Evolutionary Microbiology*, **2013**, 63, 1096-1104	2.2	51
26	Methylomonas paludis sp. nov., the first acid-tolerant member of the genus Methylomonas, from an acidic wetland. *International Journal of Systematic and Evolutionary Microbiology*, **2013**, 63, 2282-2289	2.2	46
25	Novel mono-, di-, and trimethylornithine membrane lipids in northern wetland planctomycetes. *Applied and Environmental Microbiology*, **2013**, 79, 6874-84	4.8	36
24	Acidophilic Planctomycetes: Expanding the Horizons of New Planctomycete Diversity **2013**, 125-139		8
23	Anaerobic ammonium oxidation (Anammox) in immobilized activated sludge biofilms during the treatment of weak wastewater. *Microbiology*, **2012**, 81, 25-34	1.4	12
22	Molecular identification of filterable bacteria and archaea in the water of acidic lakes of northern Russia. *Microbiology*, **2012**, 81, 281-287	1.4	10
21	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. *International Journal of Systematic and Evolutionary Microbiology*, **2012**, 62, 654-664	2.2	55
20	Acidicapsa borealis gen. nov., sp. nov. and Acidicapsa ligni sp. nov., subdivision 1 Acidobacteria from Sphagnum peat and decaying wood. *International Journal of Systematic and Evolutionary Microbiology*, **2012**, 62, 1512-1520	2.2	50
19	A novel filamentous planctomycete of the Isosphaera-Singulisphaera group isolated from a Sphagnum peat bog. *Microbiology*, **2012**, 81, 446-452	1.4	6
18	Singulisphaera rosea sp. nov., a planctomycete from acidic Sphagnum peat, and emended description of the genus Singulisphaera. *International Journal of Systematic and Evolutionary Microbiology*, **2012**, 62, 118-123	2.2	33
17	Telmatocola sphagniphila gen. nov., sp. nov., a novel dendriform planctomycete from northern wetlands. *Frontiers in Microbiology*, **2012**, 3, 146	5.7	52
16	Phylogenetic composition of bacterial communities in small boreal lakes and ombrotrophic bogs of the upper Volga basin. *Microbiology*, **2011**, 80, 549-557	1.4	7

15	Bryobacter aggregatus gen. nov., sp. nov., a peat-inhabiting, aerobic chemo-organotroph from subdivision 3 of the Acidobacteria. *International Journal of Systematic and Evolutionary Microbiology* , **2010**, 60, 301-306	2.2	88
14	Zavarzinella formosa gen. nov., sp. nov., a novel stalked, Gemmata-like planctomycete from a Siberian peat bog. *International Journal of Systematic and Evolutionary Microbiology*, **2009**, 59, 357-64	2.2	67
13	Larkinella arboricola sp. nov., a new spiral-shaped bacterium of the phylum Bacteroidetes isolated from the microbial community of decomposing wood. *Microbiology*, **2009**, 78, 741-746	1.4	11
12	Substrate-induced growth and isolation of Acidobacteria from acidic Sphagnum peat. *ISME Journal*, **2008**, 2, 551-60	11.9	86
11	Singulisphaera acidiphila gen. nov., sp. nov., a non-filamentous, Isosphaera-like planctomycete from acidic northern wetlands. *International Journal of Systematic and Evolutionary Microbiology*, **2008**, 58, 1186-93	2.2	82
10	Analysis of the bacterial community developing in the course of Sphagnum moss decomposition. *Microbiology*, **2007**, 76, 621-629	1.4	29
9	Schlesneria paludicola gen. nov., sp. nov., the first acidophilic member of the order Planctomycetales, from Sphagnum-dominated boreal wetlands. *International Journal of Systematic and Evolutionary Microbiology*, **2007**, 57, 2680-2687	2.2	74
8	Isolation of aerobic, gliding, xylanolytic and laminarinolytic bacteria from acidic Sphagnum peatlands and emended description of Chitinophaga arvensicola Kampfer et al. 2006. *International Journal of Systematic and Evolutionary Microbiology*, **2006**, 56, 2761-2764	2.2	29
7	Rhodoblastus sphagnicola sp. nov., a novel acidophilic purple non-sulfur bacterium from Sphagnum peat bog. *International Journal of Systematic and Evolutionary Microbiology*, **2006**, 56, 1397-1402	2.2	33
6	Phylogenetic analysis and in situ identification of bacteria community composition in an acidic Sphagnum peat bog. *Applied and Environmental Microbiology*, **2006**, 72, 2110-7	4.8	235
5	Detection of representatives of the Planctomycetes in Sphagnum peat bogs by molecular and cultivation approaches. *Microbiology*, **2006**, 75, 329-335	1.4	25
4	Effect of Butyric Acid on the Physiological Activity of Hydrocarbon-Oxidizing Rhodococci. *Microbiology*, **2001**, 70, 263-269	1.4	2
3	Singulisphaera1-7		
2	Zavarzinella1-6		
1	Planctomicrobium1-7		