

Irina S Kulichevskaya

List of Publications by Year in descending order

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47
papers

2,266
citations

201658

27
h-index

233409

45
g-index

52
all docs

52
docs citations

52
times ranked

1942
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.1	262
2	<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.	2.8	134
3	<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.	1.7	131
4	Substrate-induced growth and isolation of <i>Acidobacteria</i> from acidic <i>Sphagnum</i> peat. <i>ISME Journal</i> , 2008, 2, 551-560.	9.8	111
5	<i>Singulisphaera acidiphila</i> gen. nov., sp. nov., a non-filamentous, <i>Isosphaera</i> -like planctomycete from acidic northern wetlands. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 1186-1193.	1.7	110
6	<i>Schlesneria paludicola</i> 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.	1.7	93
7	<i>Zavarzinella formosa</i> gen. nov., sp. nov., a novel stalked, <i>Gemmata</i> -like planctomycete from a Siberian peat bog. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 357-364.	1.7	80
8	<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.	1.7	74
9	High Diversity of Planctomycetes in Soils of Two Lichen-Dominated Sub-Arctic Ecosystems of Northwestern Siberia. <i>Frontiers in Microbiology</i> , 2016, 7, 2065.	3.5	73
10	<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.	1.7	72
11	<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.	1.7	72
12	<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.	1.7	66
13	<i>Telmatocola sphagniphila</i> gen. nov., sp. nov., a Novel Dendriform Planctomycete from Northern Wetlands. <i>Frontiers in Microbiology</i> , 2012, 3, 146.	3.5	64
14	<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.	1.7	63
15	Genome Analysis of <i>Fimbrigiobus ruber</i> SP5 ^T , a Planctomycete with Confirmed Chitinolytic Capability. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	59
16	Defining the taxonomic status of described subdivision 3 Acidobacteria: proposal of <i>Bryobacteraceae</i> fam. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 498-501.	1.7	59
17	<i>Fimbrigiobus ruber</i> gen. nov., sp. nov., a <i>Gemmata</i> -like planctomycete from Sphagnum peat bog and the proposal of <i>Gemmataceae</i> fam. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 218-224.	1.7	56
18	<i>Paludisphaera borealis</i> gen. nov., sp. nov., a hydrolytic planctomycete from northern wetlands, and proposal of <i>Isosphaeraceae</i> fam. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 837-844.	1.7	53

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19	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.. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 2558-2565.	1.7	50
20	Novel Mono-, Di-, and Trimethylornithine Membrane Lipids in Northern Wetland Planctomycetes. Applied and Environmental Microbiology, 2013, 79, 6874-6884.	3.1	44
21	<i>Rhodoblastus sphagnicola</i> sp. nov., a novel acidophilic purple non-sulfur bacterium from Sphagnum peat bog. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 1397-1402.	1.7	43
22	<i>Singulisphaera rosea</i> sp. nov., a planctomycete from acidic Sphagnum peat, and emended description of the genus <i>Singulisphaera</i> . International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 118-123.	1.7	42
23	Analysis of the bacterial community developing in the course of Sphagnum moss decomposition. Microbiology, 2007, 76, 621-629.	1.2	39
24	<i>Planctomicrobium piriforme</i> 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.	1.7	38
25	Isolation of aerobic, gliding, xylanolytic and laminarinolytic bacteria from acidic Sphagnum peatlands and emended description of <i>Chitinophaga arvensicola</i> Kämpfer et al. 2006. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 2761-2764.	1.7	36
26	<i>Frigoriglobus tundricola</i> gen. nov., sp. nov., a psychrotolerant cellulolytic planctomycete of the family Gemmataceae from a littoral tundra wetland. Systematic and Applied Microbiology, 2020, 43, 126129.	2.8	36
27	Wide distribution of <i>Phycisphaera</i> -like planctomycetes from <i>WD2101</i> soil group in peatlands and genome analysis of the first cultivated representative. Environmental Microbiology, 2021, 23, 1510-1526.	3.8	32
28	<i>Tundrisphaera lichenicola</i> gen. nov., sp. nov., a psychrotolerant representative of the family Iosphaeraceae from lichen-dominated tundra soils. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 3583-3589.	1.7	30
29	<i>Limnoglobus roseus</i> gen. nov., sp. nov., a novel freshwater planctomycete with a giant genome from the family Gemmataceae. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 1240-1249.	1.7	30
30	Detection of representatives of the Planctomycetes in Sphagnum peat bogs by molecular and cultivation approaches. Microbiology, 2006, 75, 329-335.	1.2	28
31	100-year-old enigma solved: identification, genomic characterization and biogeography of the yet uncultured <i>Planctomyces bekefii</i> . Environmental Microbiology, 2020, 22, 198-211.	3.8	25
32	Distinct diversity patterns of Planctomycetes associated with the freshwater macrophyte <i>Nuphar lutea</i> (L.) Smith. Antonie Van Leeuwenhoek, 2018, 111, 811-823.	1.7	19
33	<i>Larkinella arboricola</i> sp. nov., a new spiral-shaped bacterium of the phylum Bacteroidetes isolated from the microbial community of decomposing wood. Microbiology, 2009, 78, 741-746.	1.2	16
34	Anaerobic ammonium oxidation (Anammox) in immobilized activated sludge biofilms during the treatment of weak wastewater. Microbiology, 2012, 81, 25-34.	1.2	15
35	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.	1.2	14
36	<i>Granulicella sibirica</i> 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.	1.7	13

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37	Decline of activity and shifts in the methanotrophic community structure of an ombrotrophic peat bog after wildfire. <i>Microbiology</i> , 2015, 84, 624-629.	1.2	12
38	A novel filamentous planctomycete of the Isosphaera-Singulisphaera group isolated from a Sphagnum peat bog. <i>Microbiology</i> , 2012, 81, 446-452.	1.2	11
39	Molecular identification of filterable bacteria and archaea in the water of acidic lakes of northern Russia. <i>Microbiology</i> , 2012, 81, 281-287.	1.2	10
40	Shifts in a bacterial community composition of a mesotrophic peatland after wildfire. <i>Microbiology</i> , 2014, 83, 813-819.	1.2	9
41	Acidophilic Planctomycetes: Expanding the Horizons of New Planctomycete Diversity. , 2013, , 125-139.		9
42	Peat-Inhabiting Verrucomicrobia of the Order Methylophilales Do Not Possess Methanotrophic Capabilities. <i>Microorganisms</i> , 2021, 9, 2566.	3.6	9
43	Phylogenetic composition of bacterial communities in small boreal lakes and ombrotrophic bogs of the upper Volga basin. <i>Microbiology</i> , 2011, 80, 549-557.	1.2	8
44	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.	2.8	6
45	Natural post-fire bog recovery. <i>Water Resources</i> , 2014, 41, 353-363.	0.9	4
46	Effect of Butyric Acid on the Physiological Activity of Hydrocarbon-Oxidizing Rhodococci. <i>Microbiology</i> , 2001, 70, 263-269.	1.2	2
47	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, .	0.6	2