

Christian Jogler

List of Publications by Year in descending order

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67
papers

3,638
citations

147566

31
h-index

149479

56
g-index

75
all docs

75
docs citations

75
times ranked

2348
citing authors

#	ARTICLE	IF	CITATIONS
1	On the maverick Planctomycetes. <i>FEMS Microbiology Reviews</i> , 2018, 42, 739-760.	3.9	210
2	Biosynthesis of magnetic nanostructures in a foreign organism by transfer of bacterial magnetosome gene clusters. <i>Nature Nanotechnology</i> , 2014, 9, 193-197.	15.6	198
3	Genomics, Genetics, and Cell Biology of Magnetosome Formation. <i>Annual Review of Microbiology</i> , 2009, 63, 501-521.	2.9	185
4	Determining the bacterial cell biology of Planctomycetes. <i>Nature Communications</i> , 2017, 8, 14853.	5.8	175
5	Cultivation and functional characterization of 79 planctomycetes uncovers their unique biology. <i>Nature Microbiology</i> , 2020, 5, 126-140.	5.9	164
6	Planctomycetes do possess a peptidoglycan cell wall. <i>Nature Communications</i> , 2015, 6, 7116.	5.8	149
7	Single-cell analysis reveals a novel uncultivated magnetotactic bacterium within the candidate division OP3. <i>Environmental Microbiology</i> , 2012, 14, 1709-1721.	1.8	121
8	Conservation of proteobacterial magnetosome genes and structures in an uncultivated member of the deep-branching <i>Nitrospira</i> phylum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1134-1139.	3.3	115
9	Replication Properties of Human Adenovirus In Vivo and in Cultures of Primary Cells from Different Animal Species. <i>Journal of Virology</i> , 2006, 80, 3549-3558.	1.5	114
10	Identification of Proteins Likely To Be Involved in Morphogenesis, Cell Division, and Signal Transduction in Planctomycetes by Comparative Genomics. <i>Journal of Bacteriology</i> , 2012, 194, 6419-6430.	1.0	110
11	Comparative genomic analysis of magnetotactic bacteria from the <i>scpD</i> proteobacteria provides new insights into magnetite and greigite magnetosome genes required for magnetotaxis. <i>Environmental Microbiology</i> , 2013, 15, 2712-2735.	1.8	99
12	From genome mining to phenotypic microarrays: Planctomycetes as source for novel bioactive molecules. <i>Antonie Van Leeuwenhoek</i> , 2013, 104, 551-567.	0.7	99
13	Comparative analysis of magnetosome gene clusters in magnetotactic bacteria provides further evidence for horizontal gene transfer. <i>Environmental Microbiology</i> , 2009, 11, 1267-1277.	1.8	96
14	Toward Cloning of the Magnetotactic Metagenome: Identification of Magnetosome Island Gene Clusters in Uncultivated Magnetotactic Bacteria from Different Aquatic Sediments. <i>Applied and Environmental Microbiology</i> , 2009, 75, 3972-3979.	1.4	96
15	Characterization of <i>Planctomyces limnophilus</i> and Development of Genetic Tools for Its Manipulation Establish It as a Model Species for the Phylum Planctomycetes. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5826-5829.	1.4	78
16	Three Novel Species with Peptidoglycan Cell Walls form the New Genus <i>Lacunisphaera</i> gen. nov. in the Family Opiritutaceae of the Verrucomicrobial Subdivision 4. <i>Frontiers in Microbiology</i> , 2017, 8, 202.	1.5	75
17	Untangling Genomes of Novel Planctomycetal and Verrucomicrobial Species from Monterey Bay Kelp Forest Metagenomes by Refined Binning. <i>Frontiers in Microbiology</i> , 2017, 8, 472.	1.5	70
18	Cultivation-independent characterization of <i>Candidatus Magnetobacterium bavaricum</i> ™ via ultrastructural, geochemical, ecological and metagenomic methods. <i>Environmental Microbiology</i> , 2010, 12, 2466-2478.	1.8	69

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19	Developing Techniques for the Utilization of Planctomycetes As Producers of Bioactive Molecules. <i>Frontiers in Microbiology</i> , 2016, 7, 1242.	1.5	69
20	Diversity analysis of magnetotactic bacteria in Lake Miyun, northern China, by restriction fragment length polymorphism. <i>Systematic and Applied Microbiology</i> , 2009, 32, 342-350.	1.2	58
21	Description of three bacterial strains belonging to the new genus <i>Novipirellula</i> gen. nov., reclassification of <i>Rhodopirellula rosea</i> and <i>Rhodopirellula caenicola</i> and readjustment of the genus threshold of the phylogenetic marker <i>rpoB</i> for Planctomycetaceae. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1779-1795.	0.7	56
22	Plasmid curing and the loss of grip " The 65-kb replicon of <i>Phaeobacter inhibens</i> DSM 17395 is required for biofilm formation, motility and the colonization of marine algae. <i>Systematic and Applied Microbiology</i> , 2015, 38, 120-127.	1.2	55
23	<i>Fuerstia marisgermanicae</i> gen. nov., sp. nov., an Unusual Member of the Phylum Planctomycetes from the German Wadden Sea. <i>Frontiers in Microbiology</i> , 2016, 7, 2079.	1.5	49
24	Updates to the recently introduced family Lacipirellulaceae in the phylum Planctomycetes: isolation of strains belonging to the novel genera <i>Aeoliella</i> , <i>Botrimarina</i> , <i>Pirellulimonas</i> and <i>Pseudobythopirellula</i> and the novel species <i>Bythopirellula polymerisocia</i> and <i>Posidoniimonas corsicana</i> . <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1979-1997.	0.7	47
25	Metagenomic Analysis Reveals Unexpected Subgenomic Diversity of Magnetotactic Bacteria within the Phylum <i>Nitrospirae</i> . <i>Applied and Environmental Microbiology</i> , 2011, 77, 323-326.	1.4	42
26	Three novel <i>Rubripirellula</i> species isolated from plastic particles submerged in the Baltic Sea and the estuary of the river Warnow in northern Germany. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1767-1778.	0.7	41
27	Additions to the genus <i>Gimesia</i> : description of <i>Gimesia alba</i> sp. nov., <i>Gimesia algae</i> sp. nov., <i>Gimesia aquarii</i> sp. nov., <i>Gimesia aquatilis</i> sp. nov., <i>Gimesia fumaroli</i> sp. nov. and <i>Gimesia panarensis</i> sp. nov., isolated from aquatic habitats of the Northern Hemisphere. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1999-2018.	0.7	41
28	<i>Alienimonas californiensis</i> gen. nov. sp. nov., a novel Planctomycete isolated from the kelp forest in Monterey Bay. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1751-1766.	0.7	40
29	The Microbiome of <i>Posidonia oceanica</i> Seagrass Leaves Can Be Dominated by Planctomycetes. <i>Frontiers in Microbiology</i> , 2020, 11, 1458.	1.5	40
30	<i>Rubinisphaera italica</i> sp. nov. isolated from a hydrothermal area in the Tyrrhenian Sea close to the volcanic island Panarea. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1727-1736.	0.7	38
31	Description of the novel planctomycetal genus <i>Bremerella</i> , containing <i>Bremerella volcania</i> sp. nov., isolated from an active volcanic site, and reclassification of <i>Blastopirellula crema</i> as <i>Bremerella crema</i> comb. nov.. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1823-1837.	0.7	36
32	Three marine strains constitute the novel genus and species <i>Crateriforma conspicua</i> in the phylum Planctomycetes. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1797-1809.	0.7	35
33	<i>Rhodopirellula heiligendammensis</i> sp. nov., <i>Rhodopirellula pilleata</i> sp. nov., and <i>Rhodopirellula solitaria</i> sp. nov. isolated from natural or artificial marine surfaces in Northern Germany and California, USA, and emended description of the genus <i>Rhodopirellula</i> . <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1737-1750.	0.7	35
34	Analysis of bacterial communities in a municipal duck pond during a phytoplankton bloom and isolation of <i>Anatilimnocola aggregata</i> gen. nov., sp. nov., <i>Lacipirellula limnantheis</i> sp. nov. and <i>Urbifossiella limnaea</i> gen. nov., sp. nov. belonging to the phylum Planctomycetes. <i>Environmental Microbiology</i> , 2021, 23, 1379-1396.	1.8	35
35	Analysis of Bacterial Communities on North Sea Macroalgae and Characterization of the Isolated Planctomycetes <i>Adhaeretor mobilis</i> gen. nov., sp. nov., <i>Roseimaritima multifibrata</i> sp. nov., <i>Rosistilla ulvae</i> sp. nov. and <i>Rubripirellula lacrimiformis</i> sp. nov.. <i>Microorganisms</i> , 2021, 9, 1494.	1.6	34
36	The planctomycete <i>Stieleria maiorica</i> Mal15T employs stieleriacines to alter the species composition in marine biofilms. <i>Communications Biology</i> , 2020, 3, 303.	2.0	33

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37	Frequent Mutations within the Genomic Magnetosome Island of <i>Magnetospirillum gryphiswaldense</i> Are Mediated by RecA. <i>Journal of Bacteriology</i> , 2011, 193, 5328-5334.	1.0	31
38	Comparison of HSV-1 thymidine kinase-dependent and -independent inhibition of replication-competent adenoviral vectors by a panel of drugs. <i>Cancer Gene Therapy</i> , 2003, 10, 791-802.	2.2	30
39	<i>Blastopirellula retiformator</i> sp. nov. isolated from the shallow-sea hydrothermal vent system close to Panarea Island. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1811-1822.	0.7	29
40	Pink and orange pigmented Planctomycetes produce saxoroxanthin-type carotenoids including a rare C ₄₅ carotenoid. <i>Environmental Microbiology Reports</i> , 2019, 11, 741-748.	1.0	28
41	Non-essentiality of canonical cell division genes in the planctomycete <i>Planctopirus limnophila</i> . <i>Scientific Reports</i> , 2020, 10, 66.	1.6	26
42	Stieleriactines, N-Acyl Dehydrotyrosines From the Marine Planctomycete <i>Stieleria neptunia</i> sp. nov.. <i>Frontiers in Microbiology</i> , 2020, 11, 1408.	1.5	25
43	Toward the Development of Genetic Tools for Planctomycetes. , 2013, , 141-164.		24
44	Cultivation-Independent Analysis of the Bacterial Community Associated With the Calcareous Sponge <i>Clathrina clathrus</i> and Isolation of <i>Poriferisphaera corsica</i> Gen. Nov., Sp. Nov., Belonging to the Barely Studied Class Phycisphaerae in the Phylum Planctomycetes. <i>Frontiers in Microbiology</i> , 2020, 11, 602250.	1.5	23
45	Genetic Analysis of Magnetosome Biomineralization. , 2006, , 133-161.		22
46	The bacterial phylum Planctomycetes as novel source for bioactive small molecules. <i>Biotechnology Advances</i> , 2021, 53, 107818.	6.0	22
47	<i>Rosistilla oblonga</i> gen. nov., sp. nov. and <i>Rosistilla carotiformis</i> sp. nov., isolated from biotic or abiotic surfaces in Northern Germany, Mallorca, Spain and California, USA. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1939-1952.	0.7	20
48	Three Planctomycetes isolated from biotic surfaces in the Mediterranean Sea and the Pacific Ocean constitute the novel species <i>Symmachiella dynata</i> gen. nov., sp. nov. and <i>Symmachiella macrocystis</i> sp. nov.. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1965-1977.	0.7	20
49	The bacterial "mitochondrion"™. <i>Molecular Microbiology</i> , 2014, 94, 751-755.	1.2	19
50	<i>Tautonia plasticadhaerens</i> sp. nov., a novel species in the family Isosphaeraceae isolated from an alga in a hydrothermal area of the Eolian Archipelago. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1889-1900.	0.7	19
51	<i>Aureliella helgolandensis</i> gen. nov., sp. nov., a novel Planctomycete isolated from a jellyfish at the shore of the island Helgoland. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1839-1849.	0.7	19
52	<i>Calycomorphotria hydatis</i> gen. nov., sp. nov., a novel species in the family Planctomycetaceae with conspicuous subcellular structures. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1877-1887.	0.7	17
53	<i>Maioricimonas rarisocia</i> gen. nov., sp. nov., a novel planctomycete isolated from marine sediments close to Mallorca Island. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1901-1913.	0.7	17
54	<i>Alienimonas chondri</i> sp. nov., a novel planctomycete isolated from the biofilm of the red alga <i>Chondrus crispus</i> . <i>Systematic and Applied Microbiology</i> , 2020, 43, 126083.	1.2	17

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55	Reevaluation of the Complete Genome Sequence of <i>Magnetospirillum gryphiswaldense</i> MSR-1 with Single-Molecule Real-Time Sequencing Data. <i>Genome Announcements</i> , 2018, 6, .	0.8	15
56	<i>Caulifigura coniformis</i> gen. nov., sp. nov., a novel member of the family Planctomycetaceae isolated from a red biofilm sampled in a hydrothermal area. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1927-1937.	0.7	15
57	<i>Thalassoglobus polymorphus</i> sp. nov., a novel Planctomycete isolated close to a public beach of Mallorca Island. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1915-1926.	0.7	15
58	<i>Lignipirellula cremea</i> gen. nov., sp. nov., a planctomycete isolated from wood particles in a brackish river estuary. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1863-1875.	0.7	15
59	Effects of the Ad5 upstream E1 region and gene products on heterologous promoters. <i>Journal of Gene Medicine</i> , 2005, 7, 1356-1366.	1.4	14
60	<i>Stieleria varia</i> sp. nov., isolated from wood particles in the Baltic Sea, constitutes a novel species in the family Pirellulaceae within the phylum Planctomycetes. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1953-1963.	0.7	14
61	Description of <i>Polystyrenella longa</i> gen. nov., sp. nov., isolated from polystyrene particles incubated in the Baltic Sea. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1851-1862.	0.7	14
62	<i>Bremerella alba</i> sp. nov., a novel planctomycete isolated from the surface of the macroalga <i>Fucus spiralis</i> . <i>Systematic and Applied Microbiology</i> , 2021, 44, 126189.	1.2	14
63	<i>Salsipaludibacter albus</i> gen. nov., sp. nov., a novel actinobacterial strain isolate from a Portuguese solar saltern and proposal of <i>Salsipaludibacteraceae</i> fam. nov. and <i>Salsipaludibacterales</i> ord. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2022, 72, .	0.8	11
64	Planctomycetes. , 2019, , 614-614.		10
65	<i>Mucisphaera calidilacus</i> gen. nov., sp. nov., a novel planctomycete of the class Phycisphaerae isolated in the shallow sea hydrothermal system of the Lipari Islands. <i>Antonie Van Leeuwenhoek</i> , 2022, 115, 407.	0.7	8
66	Cultivation of elusive microbes unearthed exciting biology. <i>Nature Communications</i> , 2021, 12, 75.	5.8	7
67	Commentary: Manifold Routes to a Nucleus. <i>Frontiers in Microbiology</i> , 2019, 10, 1198.	1.5	4