

# Sandra Wiegand

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,841  
citations

304368

22  
h-index

301761

39  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1460  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the maverick Planctomycetes. FEMS Microbiology Reviews, 2018, 42, 739-760.	3.9	210
2	Comparing and Evaluating Metagenome Assembly Tools from a Microbiologist's Perspective - Not Only Size Matters!. PLoS ONE, 2017, 12, e0169662.	1.1	186
3	Cultivation and functional characterization of 79 planctomycetes uncovers their unique biology. Nature Microbiology, 2020, 5, 126-140.	5.9	164
4	Unravelling the Identity, Metabolic Potential and Global Biogeography of the Atmospheric Methane-Oxidizing Upland Soil Cluster $\hat{\pm}$ . Environmental Microbiology, 2018, 20, 1016-1029.	1.8	103
5	Three Novel Species with Peptidoglycan Cell Walls form the New Genus Lacunisphaera gen. nov. in the Family Opitutaceae of the Verrucomicrobial Subdivision 4. Frontiers in Microbiology, 2017, 8, 202.	1.5	75
6	Description of three bacterial strains belonging to the new genus Novipirellula gen. nov., reclassification of Rhodopirellula rosea and Rhodopirellula caenicola and readjustment of the genus threshold of the phylogenetic marker rpoB for Planctomycetaceae. Antonie Van Leeuwenhoek, 2020, 113, 1779-1795.	0.7	56
7	Fuerstia marisgermanicae gen. nov., sp. nov., an Unusual Member of the Phylum Planctomycetes from the German Wadden Sea. Frontiers in Microbiology, 2016, 7, 2079.	1.5	49
8	Updates to the recently introduced family Lacipirellulaceae in the phylum Planctomycetes: isolation of strains belonging to the novel genera Aeoliella, Botrimarina, Pirellulimonas and Pseudobythopirellula and the novel species Bythopirellula polymerisocia and Posidoniimonas corsicana. Antonie Van Leeuwenhoek, 2020, 113, 1979-1997.	0.7	47
9	Three novel Rubripirellula species isolated from plastic particles submerged in the Baltic Sea and the estuary of the river Warnow in northern Germany. Antonie Van Leeuwenhoek, 2020, 113, 1767-1778.	0.7	41
10	Additions to the genus Gimesia: description of Gimesia alba sp. nov., Gimesia algae sp. nov., Gimesia aquarii sp. nov., Gimesia aquatilis sp. nov., Gimesia fumaroli sp. nov. and Gimesia panarensis sp. nov., isolated from aquatic habitats of the Northern Hemisphere. Antonie Van Leeuwenhoek, 2020, 113, 1999-2018.	0.7	41
11	RNA-Seq of Bacillus licheniformis: active regulatory RNA features expressed within a productive fermentation. BMC Genomics, 2013, 14, 667.	1.2	40
12	Alienimonas californiensis gen. nov. sp. nov., a novel Planctomycete isolated from the kelp forest in Monterey Bay. Antonie Van Leeuwenhoek, 2020, 113, 1751-1766.	0.7	40
13	The Microbiome of Posidonia oceanica Seagrass Leaves Can Be Dominated by Planctomycetes. Frontiers in Microbiology, 2020, 11, 1458.	1.5	40
14	Rubinisphaera italica sp. nov. isolated from a hydrothermal area in the Tyrrhenian Sea close to the volcanic island Panarea. Antonie Van Leeuwenhoek, 2020, 113, 1727-1736.	0.7	38
15	Description of the novel planctomycetal genus Bremerella, containing Bremerella volcania sp. nov., isolated from an active volcanic site, and reclassification of Blastopirellula cremaea as Bremerella cremaea comb. nov.. Antonie Van Leeuwenhoek, 2020, 113, 1823-1837.	0.7	36
16	Three marine strains constitute the novel genus and species Crateriforma conspicua in the phylum Planctomycetes. Antonie Van Leeuwenhoek, 2020, 113, 1797-1809.	0.7	35
17	Rhodopirellula heiligendammensis sp. nov., Rhodopirellula pilleata sp. nov., and Rhodopirellula solitaria sp. nov. isolated from natural or artificial marine surfaces in Northern Germany and California, USA, and emended description of the genus Rhodopirellula. Antonie Van Leeuwenhoek, 2020, 113, 1737-1750.	0.7	35
18	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. Environmental Microbiology, 2021, 23, 1379-1396.	1.8	35

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19	Analysis of Bacterial Communities on North Sea Macroalgae and Characterization of the Isolated Planctomycetes <i>Adhaereter 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
20	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
21	<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
22	Pink and orange pigmented Planctomycetes produce saxoroxanthin-type carotenoids including a rare C <sub>45</sub> carotenoid. <i>Environmental Microbiology Reports</i> , 2019, 11, 741-748.	1.0	28
23	Non-essentiality of canonical cell division genes in the planctomycete <i>Planctopirus limnophila</i> . <i>Scientific Reports</i> , 2020, 10, 66.	1.6	26
24	Stieleriacines, N-Acyl Dehydrotyrosines From the Marine Planctomycete <i>Stieleria neptunia</i> sp. nov.. <i>Frontiers in Microbiology</i> , 2020, 11, 1408.	1.5	25
25	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
26	TraV: A Genome Context Sensitive Transcriptome Browser. <i>PLoS ONE</i> , 2014, 9, e93677.	1.1	22
27	Complete Genome Sequence of <i>Geobacillus</i> sp. Strain GHH01, a Thermophilic Lipase-Secreting Bacterium. <i>Genome Announcements</i> , 2013, 1, e0009213.	0.8	20
28	<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
29	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
30	<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
31	<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
32	How clear is our current view on microbial dark matter? (Re-)assessing public MAG & SAC datasets with MDMcleaner. <i>Nucleic Acids Research</i> , 2022, 50, e76-e76.	6.5	19
33	<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
34	<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
35	<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
36	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

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37	<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
38	<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
39	<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
40	<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
41	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
42	<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
43	Printing Microbial Dark Matter: Using Single Cell Dispensing and Genomics to Investigate the Patescibacteria/Candidate Phyla Radiation. <i>Frontiers in Microbiology</i> , 2021, 12, 635506.	1.5	14
44	<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
45	<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
46	Commentary: Manifold Routes to a Nucleus. <i>Frontiers in Microbiology</i> , 2019, 10, 1198.	1.5	4