

Petra Pjevac

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

2,600
citations

19
h-index

45
g-index

45
ext. papers

3,840
ext. citations

10.4
avg, IF

4.9
L-index

#	Paper	IF	Citations
39	Complete nitrification by <i>Nitrospira</i> bacteria. <i>Nature</i> , 2015 , 528, 504-9	50.4	1148
38	Kinetic analysis of a complete nitrifier reveals an oligotrophic lifestyle. <i>Nature</i> , 2017 , 549, 269-272	50.4	349
37	-Targeted Polymerase Chain Reaction Primers for the Specific Detection and Quantification of Comammox in the Environment. <i>Frontiers in Microbiology</i> , 2017 , 8, 1508	5.7	210
36	Ubiquitous Gammaproteobacteria dominate dark carbon fixation in coastal sediments. <i>ISME Journal</i> , 2016 , 10, 1939-53	11.9	124
35	Genomic repertoire of the Woeseiaceae/JTB255, cosmopolitan and abundant core members of microbial communities in marine sediments. <i>ISME Journal</i> , 2017 , 11, 1276-1281	11.9	89
34	Niche partitioning of diverse sulfur-oxidizing bacteria at hydrothermal vents. <i>ISME Journal</i> , 2017 , 11, 1545-1558	11.9	81
33	Low yield and abiotic origin of NO formed by the complete nitrifier <i>Nitrospira inopinata</i> . <i>Nature Communications</i> , 2019 , 10, 1836	17.4	62
32	Cultivation and Genomic Analysis of " <i>Nitrosocaldus islandicus</i> ," an Obligately Thermophilic, Ammonia-Oxidizing Thaumarchaeon from a Hot Spring Biofilm in Graendalur Valley, Iceland. <i>Frontiers in Microbiology</i> , 2018 , 9, 193	5.7	49
31	Microbial consumption of zero-valence sulfur in marine benthic habitats. <i>Environmental Microbiology</i> , 2014 , 16, 3416-30	5.2	49
30	Intensive cryptic microbial iron cycling in the low iron water column of the meromictic Lake Cadagno. <i>Environmental Microbiology</i> , 2016 , 18, 5288-5302	5.2	39
29	Community shift from phototrophic to chemotrophic sulfide oxidation following anoxic holomixis in a stratified seawater lake. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 298-308	4.8	35
28	A Multicolor Fluorescence Hybridization Approach Using an Extended Set of Fluorophores to Visualize Microorganisms. <i>Frontiers in Microbiology</i> , 2019 , 10, 1383	5.7	32
27	Activity and Metabolic Versatility of Complete Ammonia Oxidizers in Full-Scale Wastewater Treatment Systems. <i>MBio</i> , 2020 , 11,	7.8	32
26	The role of metal contamination in shaping microbial communities in heavily polluted marine sediments. <i>Environmental Pollution</i> , 2020 , 265, 114823	9.3	31
25	Single cell analyses reveal contrasting life strategies of the two main nitrifiers in the ocean. <i>Nature Communications</i> , 2020 , 11, 767	17.4	29
24	Microbial lipids reveal carbon assimilation patterns on hydrothermal sulfide chimneys. <i>Environmental Microbiology</i> , 2014 , 16, 3515-32	5.2	24
23	Evidence for H consumption by uncultured Desulfobacterales in coastal sediments. <i>Environmental Microbiology</i> , 2018 , 20, 450-461	5.2	24

22	Metaproteogenomic Profiling of Microbial Communities Colonizing Actively Venting Hydrothermal Chimneys. <i>Frontiers in Microbiology</i> , 2018 , 9, 680	5.7	22
21	Microbial metal-sulfide oxidation in inactive hydrothermal vent chimneys suggested by metagenomic and metaproteomic analyses. <i>Environmental Microbiology</i> , 2019 , 21, 682-701	5.2	20
20	Aberrant gut-microbiota-immune-brain axis development in premature neonates with brain damage. <i>Cell Host and Microbe</i> , 2021 , 29, 1558-1572.e6	23.4	17
19	Identification and activity of acetate-assimilating bacteria in diffuse fluids venting from two deep-sea hydrothermal systems. <i>FEMS Microbiology Ecology</i> , 2014 , 90, 731-46	4.3	16
18	Ammonia-oxidizing archaea possess a wide range of cellular ammonia affinities. <i>ISME Journal</i> , 2021 ,	11.9	15
17	Dark aerobic sulfide oxidation by anoxygenic phototrophs in anoxic waters. <i>Environmental Microbiology</i> , 2019 , 21, 1611-1626	5.2	14
16	Composition and activity of nitrifier communities in soil are unresponsive to elevated temperature and CO ₂ , but strongly affected by drought. <i>ISME Journal</i> , 2020 , 14, 3038-3053	11.9	14
15	Transcriptomic Response of <i>Nitrosomonas europaea</i> Transitioned from Ammonia- to Oxygen-Limited Steady-State Growth. <i>MSystems</i> , 2020 , 5,	7.6	10
14	Transcriptomic and proteomic insight into the mechanism of cyclooctasulfur- versus thiosulfate-oxidation by the chemolithoautotroph <i>Sulfurimonas denitrificans</i> . <i>Environmental Microbiology</i> , 2019 , 21, 244-258	5.2	10
13	A refined set of rRNA-targeted oligonucleotide probes for in situ detection and quantification of ammonia-oxidizing bacteria. <i>Water Research</i> , 2020 , 186, 116372	12.5	9
12	Mucosal Biofilms Are an Endoscopic Feature of Irritable Bowel Syndrome and Ulcerative Colitis. <i>Gastroenterology</i> , 2021 , 161, 1245-1256.e20	13.3	9
11	An Economical and Flexible Dual Barcoding, Two-Step PCR Approach for Highly Multiplexed Amplicon Sequencing. <i>Frontiers in Microbiology</i> , 2021 , 12, 669776	5.7	7
10	Draft Genome Sequence of 26-4b1, an Acidotolerant Peatland Alphaproteobacterium Potentially Involved in Sulfur Cycling. <i>Genome Announcements</i> , 2018 , 6,		6
9	In situ abundance and carbon fixation activity of distinct anoxygenic phototrophs in the stratified seawater lake Rogoznica. <i>Environmental Microbiology</i> , 2019 , 21, 3896-3908	5.2	6
8	AmoA-targeted polymerase chain reaction primers for the specific detection and quantification of comammoxNitrospirain the environment		4
7	Ammonia-oxidizing archaea possess a wide range of cellular ammonia affinities		3
6	Functional iron-deficiency in women with allergic rhinitis is associated with symptoms after nasal provocation and lack of iron-sequestering microbes. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 2882-2886	9.3	3
5	Draft Genome Sequence of sp. Strain Sb-LF, Isolated from an Acidic Peatland in Germany. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	2

4	How low can they go? Aerobic respiration by microorganisms under apparent anoxia.. <i>FEMS Microbiology Reviews</i> , 2022 ,	15.1	2
3	Is Too Much Fertilizer a Problem?. <i>Frontiers for Young Minds</i> ,8,	1.5	2
2	Draft Genome Sequence of <i>Desulfosporosinus fructosivorans</i> Strain 63.6F, Isolated from Marine Sediment in the Baltic Sea. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	1
1	Cultivation and genomic analysis of <i>CandidatusNitrosocaldus islandicus</i> , a novel obligately thermophilic ammonia-oxidizing Thaumarchaeon		1