

Petra Pjevac

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1122186/publications.pdf>

Version: 2024-02-01

39
papers

4,721
citations

236612

25
h-index

315357

38
g-index

45
all docs

45
docs citations

45
times ranked

4717
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete nitrification by <i>Nitrospira</i> bacteria. <i>Nature</i> , 2015, 528, 504-509.	13.7	1,878
2	Kinetic analysis of a complete nitrifier reveals an oligotrophic lifestyle. <i>Nature</i> , 2017, 549, 269-272.	13.7	588
3	AmoA-Targeted Polymerase Chain Reaction Primers for the Specific Detection and Quantification of Comammox <i>Nitrospira</i> in the Environment. <i>Frontiers in Microbiology</i> , 2017, 8, 1508.	1.5	313
4	Ubiquitous <i>Gamma</i> proteobacteria dominate dark carbon fixation in coastal sediments. <i>ISME Journal</i> , 2016, 10, 1939-1953.	4.4	223
5	Genomic repertoire of the <i>Woeseiaceae</i> JTB255, cosmopolitan and abundant core members of microbial communities in marine sediments. <i>ISME Journal</i> , 2017, 11, 1276-1281.	4.4	176
6	Niche partitioning of diverse sulfur-oxidizing bacteria at hydrothermal vents. <i>ISME Journal</i> , 2017, 11, 1545-1558.	4.4	168
7	Low yield and abiotic origin of N ₂ O formed by the complete nitrifier <i>Nitrospira inopinata</i> . <i>Nature Communications</i> , 2019, 10, 1836.	5.8	123
8	Ammonia-oxidizing archaea possess a wide range of cellular ammonia affinities. <i>ISME Journal</i> , 2022, 16, 272-283.	4.4	96
9	Aberrant gut-microbiota-immune-brain axis development in premature neonates with brain damage. <i>Cell Host and Microbe</i> , 2021, 29, 1558-1572.e6.	5.1	80
10	Cultivation and Genomic Analysis of <i>Candidatus 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.	1.5	76
11	Single cell analyses reveal contrasting life strategies of the two main nitrifiers in the ocean. <i>Nature Communications</i> , 2020, 11, 767.	5.8	67
12	Intensive cryptic microbial iron cycling in the low iron water column of the meromictic Lake Cadagno. <i>Environmental Microbiology</i> , 2016, 18, 5288-5302.	1.8	65
13	Activity and Metabolic Versatility of Complete Ammonia Oxidizers in Full-Scale Wastewater Treatment Systems. <i>MBio</i> , 2020, 11, .	1.8	65
14	The role of metal contamination in shaping microbial communities in heavily polluted marine sediments. <i>Environmental Pollution</i> , 2020, 265, 114823.	3.7	65
15	A Multicolor Fluorescence in situ Hybridization Approach Using an Extended Set of Fluorophores to Visualize Microorganisms. <i>Frontiers in Microbiology</i> , 2019, 10, 1383.	1.5	58
16	Microbial consumption of zero-valence sulfur in marine benthic habitats. <i>Environmental Microbiology</i> , 2014, 16, 3416-3430.	1.8	57
17	Mucosal Biofilms Are an Endoscopic Feature of Irritable Bowel Syndrome and Ulcerative Colitis. <i>Gastroenterology</i> , 2021, 161, 1245-1256.e20.	0.6	55
18	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.	1.4	52

#	ARTICLE	IF	CITATIONS
19	Evidence for H ₂ consumption by uncultured <i>Desulfobacterales</i> in coastal sediments. <i>Environmental Microbiology</i> , 2018, 20, 450-461.	1.8	51
20	Microbial metal-sulfide oxidation in inactive hydrothermal vent chimneys suggested by metagenomic and metaproteomic analyses. <i>Environmental Microbiology</i> , 2019, 21, 682-701.	1.8	50
21	An Economical and Flexible Dual Barcoding, Two-Step PCR Approach for Highly Multiplexed Amplicon Sequencing. <i>Frontiers in Microbiology</i> , 2021, 12, 669776.	1.5	48
22	Microbial lipids reveal carbon assimilation patterns on hydrothermal sulfide chimneys. <i>Environmental Microbiology</i> , 2014, 16, 3515-3532.	1.8	44
23	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.	4.4	43
24	Metaproteogenomic Profiling of Microbial Communities Colonizing Actively Venting Hydrothermal Chimneys. <i>Frontiers in Microbiology</i> , 2018, 9, 680.	1.5	36
25	Transcriptomic Response of <i>Nitrosomonas europaea</i> Transitioned from Ammonia- to Oxygen-Limited Steady-State Growth. <i>MSystems</i> , 2020, 5, .	1.7	33
26	Dark aerobic sulfide oxidation by anoxygenic phototrophs in anoxic waters. <i>Environmental Microbiology</i> , 2019, 21, 1611-1626.	1.8	27
27	How low can they go? Aerobic respiration by microorganisms under apparent anoxia. <i>FEMS Microbiology Reviews</i> , 2022, 46, .	3.9	26
28	Identification and activity of acetate-assimilating bacteria in diffuse fluids venting from two deep-sea hydrothermal systems. <i>FEMS Microbiology Ecology</i> , 2014, 90, 731-746.	1.3	21
29	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.	2.7	20
30	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.	5.3	19
31	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.	1.8	16
32	Increased microbial expression of organic nitrogen cycling genes in long-term warmed grassland soils. <i>ISME Communications</i> , 2021, 1, .	1.7	14
33	Draft Genome Sequence of <i>Telmatospirillum siberiense</i> 26-4b1, an Acidotolerant Peatland Alphaproteobacterium Potentially Involved in Sulfur Cycling. <i>Genome Announcements</i> , 2018, 6, .	0.8	13
34	Interleukin-11 drives human and mouse alcohol-related liver disease. <i>Gut</i> , 2023, 72, 168-179.	6.1	13
35	Is Too Much Fertilizer a Problem?. <i>Frontiers for Young Minds</i> , 0, 8, .	0.8	11
36	<i>In situ</i> abundance and carbon fixation activity of distinct anoxygenic phototrophs in the stratified seawater lake Rogoznica. <i>Environmental Microbiology</i> , 2019, 21, 3896-3908.	1.8	10

#	ARTICLE	IF	CITATIONS
37	Draft Genome Sequence of <i>Desulfosporosinus</i> sp. Strain Sb-LF, Isolated from an Acidic Peatland in Germany. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	8
38	Draft Genome Sequence of <i>Desulfosporosinus fructosivorans</i> Strain 63.6F T, Isolated from Marine Sediment in the Baltic Sea. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	1
39	Individual Sweet Taste Perception Influences Salivary Characteristics After Orosensory Stimulation With Sucrose and Noncaloric Sweeteners. <i>Frontiers in Nutrition</i> , 2022, 9, .	1.6	1