

Jörg Peplies

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

44,330
citations

201385

27
h-index

360668

35
g-index

38
all docs

38
docs citations

38
times ranked

45786
citing authors

#	ARTICLE	IF	CITATIONS
1	The SILVA ribosomal RNA gene database project: improved data processing and web-based tools. <i>Nucleic Acids Research</i> , 2012, 41, D590-D596.	6.5	21,425
2	Evaluation of general 16S ribosomal RNA gene PCR primers for classical and next-generation sequencing-based diversity studies. <i>Nucleic Acids Research</i> , 2013, 41, e1-e1.	6.5	6,268
3	SILVA: a comprehensive online resource for quality checked and aligned ribosomal RNA sequence data compatible with ARB. <i>Nucleic Acids Research</i> , 2007, 35, 7188-7196.	6.5	5,788
4	SINA: Accurate high-throughput multiple sequence alignment of ribosomal RNA genes. <i>Bioinformatics</i> , 2012, 28, 1823-1829.	1.8	2,826
5	The SILVA and "All-species Living Tree Project (LTP)" taxonomic frameworks. <i>Nucleic Acids Research</i> , 2014, 42, D643-D648.	6.5	2,667
6	Substrate-Controlled Succession of Marine Bacterioplankton Populations Induced by a Phytoplankton Bloom. <i>Science</i> , 2012, 336, 608-611.	6.0	1,304
7	The All-Species Living Tree project: A 16S rRNA-based phylogenetic tree of all sequenced type strains. <i>Systematic and Applied Microbiology</i> , 2008, 31, 241-250.	1.2	884
8	25 years of serving the community with ribosomal RNA gene reference databases and tools. <i>Journal of Biotechnology</i> , 2017, 261, 169-176.	1.9	679
9	Minimum information about a marker gene sequence (MIMARKS) and minimum information about any (x) sequence (MIxS) specifications. <i>Nature Biotechnology</i> , 2011, 29, 415-420.	9.4	608
10	Covalent DNA-Streptavidin Conjugates as Building Blocks for Novel Biometallic Nanostructures. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2265-2268.	7.2	209
11	Diverse sulfate-reducing bacteria of the <i>Desulfosarcina/Desulfococcus</i> clade are the key alkane degraders at marine seeps. <i>ISME Journal</i> , 2014, 8, 2029-2044.	4.4	182
12	Optimization Strategies for DNA Microarray-Based Detection of Bacteria with 16S rRNA-Targeting Oligonucleotide Probes. <i>Applied and Environmental Microbiology</i> , 2003, 69, 1397-1407.	1.4	179
13	Microbial and Chemical Characterization of Underwater Fresh Water Springs in the Dead Sea. <i>PLoS ONE</i> , 2012, 7, e38319.	1.1	161
14	Combined Approach for Characterization of Uncultivated Magnetotactic Bacteria from Various Aquatic Environments. <i>Applied and Environmental Microbiology</i> , 2005, 71, 2723-2731.	1.4	125
15	Statin therapy causes gut dysbiosis in mice through a PXR-dependent mechanism. <i>Microbiome</i> , 2017, 5, 95.	4.9	124
16	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
17	Bacterial communities associated with four ctenophore genera from the German Bight (North Sea). <i>FEMS Microbiology Ecology</i> , 2015, 91, 1-11.	1.3	108
18	A standard operating procedure for phylogenetic inference (SOPPI) using (rRNA) marker genes. <i>Systematic and Applied Microbiology</i> , 2008, 31, 251-257.	1.2	77

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19	Transcriptional Organization and Regulation of Magnetosome Operons in <i>Magnetospirillum gryphiswaldense</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 5757-5765.	1.4	71
20	Application and validation of DNA microarrays for the 16S rRNA-based analysis of marine bacterioplankton. <i>Environmental Microbiology</i> , 2004, 6, 638-645.	1.8	63
21	JCoast – A biologist-centric software tool for data mining and comparison of prokaryotic (meta)genomes. <i>BMC Bioinformatics</i> , 2008, 9, 177.	1.2	58
22	Bacterial community dynamics in a cooling tower with emphasis on pathogenic bacteria and <i>Legionella</i> species using universal and genus-specific deep sequencing. <i>Water Research</i> , 2017, 122, 363-376.	5.3	48
23	Diversity and Taxonomy of Magnetotactic Bacteria. , 2006, , 25-36.		44
24	Microbial lipids reveal carbon assimilation patterns on hydrothermal sulfide chimneys. <i>Environmental Microbiology</i> , 2014, 16, 3515-3532.	1.8	44
25	A DNA Microarray Platform Based on Direct Detection of rRNA for Characterization of Freshwater Sediment-Related Prokaryotic Communities. <i>Applied and Environmental Microbiology</i> , 2006, 72, 4829-4838.	1.4	38
26	Development of a genus-specific next generation sequencing approach for sensitive and quantitative determination of the <i>Legionella</i> microbiome in freshwater systems. <i>BMC Microbiology</i> , 2017, 17, 79.	1.3	32
27	Close association of active nitrifiers with <i>Beggiatoa</i> mats covering deep-sea hydrothermal sediments. <i>Environmental Microbiology</i> , 2014, 16, 1612-1626.	1.8	29
28	Microbial changes in periodontitis successfully treated by mechanical plaque removal and systemic amoxicillin and metronidazole. <i>International Journal of Medical Microbiology</i> , 2009, 299, 427-438.	1.5	28
29	<i>Hydrobacter penzbergensis</i> gen. nov., sp. nov., isolated from purified water. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 920-926.	0.8	25
30	Gene Sets for Utilization of Primary and Secondary Nutrition Supplies in the Distal Gut of Endangered Iberian Lynx. <i>PLoS ONE</i> , 2012, 7, e51521.	1.1	23
31	Comparative Sequence Analysis and Oligonucleotide Probe Design Based on 23S rRNA Genes of Alphaproteobacteria from North Sea Bacterioplankton. <i>Systematic and Applied Microbiology</i> , 2004, 27, 573-580.	1.2	17
32	<i>Pseudomonas</i> -Specific NGS Assay Provides Insight Into Abundance and Dynamics of <i>Pseudomonas</i> Species Including <i>P. aeruginosa</i> in a Cooling Tower. <i>Frontiers in Microbiology</i> , 2018, 9, 1958.	1.5	17
33	Bile Acid Signal Molecules Associate Temporally with Respiratory Inflammation and Microbiome Signatures in Clinically Stable Cystic Fibrosis Patients. <i>Microorganisms</i> , 2020, 8, 1741.	1.6	13
34	Evaluation of gene expression analysis using RNA-targeted partial genome arrays. <i>Systematic and Applied Microbiology</i> , 2006, 29, 349-357.	1.2	10
35	Recognition of the unsuitability of DSM 12173 as the deposited type strain of <i>Thermocrinis ruber</i> Huber et al. 1999, recognition of DSM 23557 as an authentic sub-culture of strain OC 1/4, the nomenclatural type of <i>Thermocrinis ruber</i> Huber et al. 1999 and an emended description of <i>Thermocrinis ruber</i> Huber et al. 1999. <i>Archives of Microbiology</i> , 2020, 202, 1559-1562.	1.0	4