Kathleen Trautwein

List of Publications by Year
in descending order

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20 papers	550 citations	759233 12 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	522 citing authors

#	Article	IF	Citations
1	Solvent Stress Response of the Denitrifying Bacterium â€œ Aromatoleum aromaticum â€•Strain EbN1. Applied and Environmental Microbiology, 2008, 74, 2267-2274.	3.1	80
2	Anaerobic Activation of p -Cymene in Denitrifying Betaproteobacteria: Methyl Group Hydroxylation versus Addition to Fumarate. Applied and Environmental Microbiology, 2014, 80, 7592-7603.	3.1	60
3	Proteomic tools for environmental microbiologyâ€"A roadmap from sample preparation to protein identification and quantification. Proteomics, 2013, 13, 2700-2730.	2.2	49
4	Towards habitat-oriented systems biology of â€œAromatoleum aromaticumâ€•EbN1. Applied Microbiology and Biotechnology, 2014, 98, 3371-3388.	3.6	47
5	Adaptation of <scp>P</scp>haeobacter inhibens<scp>DSM</scp> 17395 to growth with complex nutrients. Proteomics, 2013, 13, 2851-2868.	2.2	45
6	Proteogenomic evidence for Î²â€oxidation of plantâ€derived 3â€phenylpropanoids in â€œ<scp>A</scp>romatoleum aromaticumâ€•<scp>E</scp>b<scp>N</scp>1. Proteomics, 2012, 12, 1402-1413.	2.2	34
7	Native plasmids restrict growth of Phaeobacter inhibens DSM 17395: Energetic costs of plasmids assessed by quantitative physiological analyses. Environmental Microbiology, 2016, 18, 4817-4829.	3.8	34
8	Physiological and Proteomic Adaptation of â€œAromatoleum aromaticumâ€•EbN1 to Low Growth Rates in Benzoate-Limited, Anoxic Chemostats. Journal of Bacteriology, 2012, 194, 2165-2180.	2.2	32
9	More than 2500Âyears of oil exposure shape sediment microbiomes with the potential for syntrophic degradation of hydrocarbons linked to methanogenesis. Microbiome, 2017, 5, 118.	11.1	31
10	Benzoate Mediates Repression of C ₄ -Dicarboxylate Utilization in â€œAromatoleum aromaticumâ€•EbN1. Journal of Bacteriology, 2012, 194, 518-528.	2.2	29
11	Pathways and substrateâ€specific regulation of amino acid degradation in <scp>P</scp>haeobacter inhibensâ€¦<scp>DSM</scp> 17395 (archetype of the marine <scp>R</scp>oseobacter clade). Environmental Microbiology, 2014, 16, 218-238.	3.8	28
12	Dynamics of amino acid utilization in <scp>P</scp>haeobacter inhibens<scp>DSM</scp> 17395. Proteomics, 2013, 13, 2869-2885.	2.2	22
13	Benzoate mediates the simultaneous repression of anaerobic 4-methylbenzoate and succinate utilization in Magnetospirillum sp. strain pMbN1. BMC Microbiology, 2014, 14, 269.	3.3	12
14	Photometric Determination of Ammonium and Phosphate in Seawater Medium Using a Microplate Reader. Journal of Molecular Microbiology and Biotechnology, 2017, 27, 73-80.	1.0	10
15	Non-Redfield, nutrient synergy and flexible internal elemental stoichiometry in a marine bacterium. FEMS Microbiology Ecology, 2017, 93, .	2.7	8
16	Amino Acid and Sugar Catabolism in the Marine Bacterium Phaeobacter inhibens DSM 17395 from an Energetic Viewpoint. Applied and Environmental Microbiology, 2019, 85, .	3.1	8
17	The marine bacterium Phaeobacter inhibens secures external ammonium by rapid buildup of intracellular nitrogen stocks. FEMS Microbiology Ecology, 2018, 94, .	2.7	7
18	Global Response of <i>Phaeobacter inhibens</i> DSM 17395 to Deletion of Its 262-kb Chromid Encoding Antibiotic Synthesis. Microbial Physiology, 2020, 30, 9-24.	2.4	7

#	Article	IF	Citations
19	High performance CCD camera system for digitalisation of 2D DIGE gels. Proteomics, 2016, 16, 1975-1979.	2.2	6
20	Applications of Difference Gel Electrophoresis (DIGE) in the Study of Microorganisms. Methods in Molecular Biology, 2018, 1841, 95-112.	0.9	1