

Full List of Peer-reviewed articles

90. Taylor AE, Taylor K, Tennigkeit B, Palatinszky M, Stieglmeier M, Myrold DD, Schleper C, Wagner M, Bottomley PJ (2015) Inhibitory effects of c2 to c10 1-alkynes on ammonia oxidation in two nitrososphaera species. **Applied and environmental microbiology** 81(6): 1942-1948.
89. Gittel A, Barta J, Lacmanova I, Schneckner J, Wild B, Capek P, Kaiser C, Torsvik V, Richter A, Schleper C, Urich T (2014) Site- and horizon-specific pattern of microbial community structure and enzyme activities in permafrost-affected soils of Greenland. **Frontiers in Microbiology - Terrestrial Microbiology** 5: 541.
88. Offre P, Kerou M, Spang A, Schleper C (2014) Variability of the transporter gene complement in ammonia-oxidizing archaea. **Trends in Microbiology** 22(12): 665-675.
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86. Stieglmeier M, Klingl A, Alves RJ, Rittmann SK, Melcher M, Leisch N, Schleper C (2014) *Nitrososphaera viennensis* sp. nov., an aerobic and mesophilic ammonia-oxidizing archaeon from soil and member of the archaeal phylum Thaumarchaeota. **International Journal of Systematic and Evolutionary Microbiology** 64(Pt 8): 2738-2752.
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83. Gittel A, Bárta J, Kohoutová I, Mikutta R, Owens S, Gilbert J, Schneckner J, Wild B, Hannisdal B, März J, Lashchinskiy N, Čapek P, Šantrùèková H, Gentsch N, Shibistova O, Guggenberger G, Richter A, Torsvik V, Schleper C, Urich T (2014) Distinct microbial communities associated with buried soils in the Siberian tundra. **The ISME Journal** 8: 841-853.
82. Schwab C, Berry D, Rauch I, Rennisch I, Ramesmayer J, Hainzl E, Heider S, Decker T, Kenner L, Müller M, Strobl B, Wagner M, Schleper C, Loy A, Urich T (2014) Longitudinal study of murine microbiota activity and interactions with the host during acute inflammation and recovery. **The ISME Journal** 8: 1101-1114.
81. Schwab C, Tveit A, Schleper C, Urich T (2014) Gene expression of lactobacilli in murine forestomach biofilms. **Microbial Biotechnology** 7(4): 347-359.
80. Stieglmeier M, Mooshammer M, Kitzler B, Wanek W, Zechmeister-Boltenstern S, Richter A, Schleper C (2014) Aerobic nitrous oxide production through N-nitrosating hybrid formation in ammonia-oxidizing archaea. **The ISME Journal** 8(5): 1135-1146.
79. Zebec Z, Manica A, Zhang J, White M, Schleper C (2014) CRISPR-mediated targeted mRNA degradation in the archaeon *Sulfolobus solfataricus*. **Nucleic Acids Research** 42(8): 5280-5288.
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Reviews and book chapters

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