Peter Roslev

List of Publications by Year
in descending order

45 papers	3,446 citations	218677 26 h-index	233421 45 g-index
45 all docs	45 docs citations	45 times ranked	4185 citing authors

#	Article	IF	Citations
1	Stimulation by ammonium-based fertilizers of methane oxidation in soil around rice roots. Nature, 2000, 403, 421-424.	27.8	461
2	Characterization of Methanotrophic Bacterial Populations in Soils Showing Atmospheric Methane Uptake. Applied and Environmental Microbiology, 1999, 65, 3312-3318.	3.1	251
3	Degradation of phthalate esters in an activated sludge wastewater treatment plant. Water Research, 2007, 41, 969-976.	11.3	225
4	The Isotope Array, a New Tool That Employs Substrate-Mediated Labeling of rRNA for Determination of Microbial Community Structure and Function. Applied and Environmental Microbiology, 2003, 69, 6875-6887.	3.1	223
5	Effects of O2 and CH4 on presence and activity of the indigenous methanotrophic community in rice field soil. Environmental Microbiology, 2000, 2, 666-679.	3.8	194
6	Distribution and Rate of Methane Oxidation in Sediments of the Florida Everglades. Applied and Environmental Microbiology, 1990, 56, 2902-2911.	3.1	181
7	Ingestion and Egestion of Microplastics by the Cladoceran Daphnia magna: Effects of Regular and Irregular Shaped Plastic and Sorbed Phenanthrene. Bulletin of Environmental Contamination and Toxicology, 2017, 99, 655-661.	2.7	175
8	Survival and Recovery of Methanotrophic Bacteria Starved under Oxic and Anoxic Conditions. Applied and Environmental Microbiology, 1994, 60, 2602-2608.	3.1	123
9	Toxic Effects of Linear Alkylbenzene Sulfonate on Metabolic Activity, Growth Rate, and Microcolony Formation of Nitrosomonas and Nitrosospira Strains. Applied and Environmental Microbiology, 2001, 67, 2489-2498.	3.1	114
10	Linking of Microorganisms to Phenanthrene Metabolism in Soil by Analysis of 13 C-Labeled Cell Lipids. Applied and Environmental Microbiology, 2002, 68, 6106-6113.	3.1	110
11	State of the art molecular markers for fecal pollution source tracking in water. Applied Microbiology and Biotechnology, 2011, 89, 1341-1355.	3.6	100
12	Degradation of 4-Nonylphenol in Homogeneous and Nonhomogeneous Mixtures of Soil and Sewage Sludge. Environmental Science & Technology, 2001, 35, 3695-3700.	10.0	96
13	Degradation of Phthalate and Di-(2-Ethylhexyl)phthalate by Indigenous and Inoculated Microorganisms in Sludge-Amended Soil. Applied and Environmental Microbiology, 1998, 64, 4711-4719.	3.1	93
14	Isotope Labeling and Microautoradiography of Active Heterotrophic Bacteria on the Basis of Assimilation of 14 CO 2. Applied and Environmental Microbiology, 2005, 71, 646-655.	3.1	91
15	Kinetics of Di-(2-ethylhexyl)phthalate Mineralization in Sludge-Amended Soil. Environmental Science & Technology, 1999, 33, 2601-2606.	10.0	89
16	Isotope array analysis of Rhodocyclales uncovers functional redundancy and versatility in an activated sludge. ISME Journal, 2009, 3, 1349-1364.	9.8	86
17	Application of a Tetrazolium Salt with a Water-Soluble Formazan as an Indicator of Viability in Respiring Bacteria. Applied and Environmental Microbiology, 1993, 59, 2891-2896.	3.1	84
18	Regulation of methane oxidation in a freshwater wetland by water table changes and anoxia. FEMS Microbiology Ecology, 1996, 19, 105-115.	2.7	82

#	Article	IF	Citations
19	Radioactive Fingerprinting of Microorganisms That Oxidize Atmospheric Methane in Different Soils. Applied and Environmental Microbiology, 1999, 65, 4064-4070.	3.1	75
20	Use of heterotrophic CO2 assimilation as a measure of metabolic activity in planktonic and sessile bacteria. Journal of Microbiological Methods, 2004, 59, 381-393.	1.6	70
21	Behavioral responses of juvenile Daphnia magna after exposure to glyphosate and glyphosate-copper complexes. Aquatic Toxicology, 2016, 179, 36-43.	4.0	64
22	Escherichia coli phylogenetic groups are associated with site of infection and level of antibiotic resistance in community-acquired bacteraemia: a 10 year population-based study in Denmark. Journal of Antimicrobial Chemotherapy, 2009, 64, 163-168.	3.0	59
23	Degradation of organic pollutants by methane grown microbial consortia. Biodegradation, 2005, 16, 435-448.	3.0	55
24	Dynamics of a Pasture Soil Microbial Community after Deposition of Cattle Urine Amended with [13 C]Urea. Applied and Environmental Microbiology, 2004, 70, 6363-6369.	3.1	49
25	Direct fingerprinting of metabolically active bacteria in environmental samples by substrate specific radiolabelling and lipid analysis. Journal of Microbiological Methods, 1998, 31, 99-111.	1.6	45
26	Microbial toxicity of methyl tert-butyl ether (MTBE) determined with fluorescent and luminescent bioassays. Chemosphere, 2015, 120, 284-291.	8.2	28
27	Uptake and persistence of human associatedEnterococcusin the musselMytilus edulis:relevance for faecal pollution source tracking. Journal of Applied Microbiology, 2009, 107, 944-953.	3.1	25
28	Behavioral responses and starvation survival of Daphnia magna exposed to fluoxetine and propranolol. Chemosphere, 2018, 211, 978-985.	8.2	23
29	Relationship Between Fecal Indicators in Sediment and Recreational Waters in a Danish Estuary. Water, Air, and Soil Pollution, 2008, 194, 13-21.	2.4	22
30	Automated swimming activity monitor for examining temporal patterns of toxicant effects on individual Daphnia magna. Journal of Applied Toxicology, 2016, 36, 896-902.	2.8	16
31	Inorganic Membranes for the Recovery of Effluent from Municipal Wastewater Treatment Plants. Industrial & Engineering Chemistry Research, 2015, 54, 3462-3472.	3.7	14
32	Attenuation of toxicity and occurrence of degradation products of the fungicide tebuconazole after combined vacuum UV and UVC treatment of drinking water. Environmental Science and Pollution Research, 2022, 29, 58312-58325.	5.3	14
33	Application of mussels as biosamplers for characterization of faecal pollution in coastal recreational waters. Water Science and Technology, 2010, 62, 586-593.	2.5	13
34	Methods for the identification of farm escapees in feral mink (Neovison vison) populations. PLoS ONE, 2019, 14, e0224559.	2.5	13
35	Degradation of the antifungal pharmaceutical clotrimazole by UVC and vacuum-UV irradiation: Kinetics, transformation products and attenuation of toxicity. Journal of Environmental Chemical Engineering, 2021, 9, 106275.	6.7	13
36	A fluorescenceâ€based hydrolytic enzyme activity assay for quantifying toxic effects of RoundupÂ® to Daphnia magna. Environmental Toxicology and Chemistry, 2015, 34, 1841-1850.	4.3	12

#	Article	IF	Citations
37	Mycobacterium avium Complex in Day Care Hot Water Systems, and Persistence of Live Cells and DNA in Hot Water Pipes. Current Microbiology, 2014, 68, 428-439.	2.2	11
38	Effects of Ammonia and Density on Filtering of Commensal and Pathogenic Escherichia coli by the Cladoceran Daphnia magna. Bulletin of Environmental Contamination and Toxicology, 2016, 97, 848-854.	2.7	10
39	Effect of UV-A, UV-B and UV-C irradiation of glyphosate on photolysis and mitigation of aquatic toxicity. Scientific Reports, 2020, 10, 20247.	3.3	10
40	A simple bioluminescence procedure for early warning detection of coliform bacteria in drinking water. World Journal of Microbiology and Biotechnology, 2008, 24, 2323-2330.	3.6	8
41	Characterization and validation of a chemiluminescent assay based on 1,2-dioxetanes for rapid detection of viable Escherichia coli. Applied Microbiology and Biotechnology, 2010, 86, 1947-1957.	3.6	7
42	A thermocatalytic perovskite-graphene oxide nanofiltration membrane for water depollution. Journal of Water Process Engineering, 2022, 49, 102941.	5.6	5
43	Stabilization and stimulation of atmospheric methane oxidation in soil and soil biofilters by Al2O3 amendment. Soil Biology and Biochemistry, 2013, 64, 127-135.	8.8	3
44	Detection and Persistence of Clinical <i>Escherichia coli</i> in Drinking Water Evaluated by a Rapid Enzyme Assay and qPCR. Advances in Microbiology, 2012, 02, 252-262.	0.6	3
45	QUANTIFICATION OF 14C-LABELED HYDROPHOBIC ORGANIC COMPOUNDS IN SOIL SAMPLES BY A SCINTILLATION FLUID EXTRACTION METHOD. Soil Science, 2002, 167, 25-34.	0.9	1