Roey Angel

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3738567/publications.pdf

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34 papers	2,633 citations	361045 20 h-index	414034 32 g-index
92 all docs	92 docs citations	92 times ranked	4186 citing authors

#	Article	IF	Citations
1	Ectomycorrhizal fungi mediate belowground carbon transfer between pines and oaks. ISME Journal, 2022, 16, 1420-1429.	4.4	20
2	Soil Properties Interacting With Microbial Metagenome in Decreasing CH4 Emission From Seasonally Flooded Marshland Following Different Stages of Afforestation. Frontiers in Microbiology, 2022, 13, 830019.	1.5	1
3	Global Grassland Diazotrophic Communities Are Structured by Combined Abiotic, Biotic, and Spatial Distance Factors but Resilient to Fertilization. Frontiers in Microbiology, 2022, 13, 821030.	1.5	1
4	Pairing litter decomposition with microbial community structures using the Tea Bag Index (TBI). Soil, 2022, 8, 163-176.	2.2	10
5	Microbial and geo-archaeological records reveal the growth rate, origin and composition of desert rock surface communities. Biogeosciences, 2021, 18, 3331-3342.	1.3	1
6	A critical perspective on interpreting amplicon sequencing data in soil ecological research. Soil Biology and Biochemistry, 2021, 160, 108357.	4.2	36
7	Stable Isotope Probing Techniques and Methodological Considerations Using 15N. Methods in Molecular Biology, 2019, 2046, 175-187.	0.4	3
8	Experimental Setup and Data Analysis Considerations for DNA- and RNA-SIP Experiments in the Omics Era. Methods in Molecular Biology, 2019, 2046, 1-15.	0.4	6
9	The origin and role of biological rock crusts in rocky desert weathering. Biogeosciences, 2019, 16, 1133-1145.	1.3	23
10	Increased methane concentration alters soil prokaryotic community structure along an artificial pH gradient. Annals of Microbiology, 2019, 69, 329-339.	1.1	6
11	Application of stableâ€isotope labelling techniques for the detection of active diazotrophs. Environmental Microbiology, 2018, 20, 44-61.	1.8	44
12	Evaluation of Primers Targeting the Diazotroph Functional Gene and Development of NifMAP â€“ A Bioinformatics Pipeline for Analyzing nifH Amplicon Data. Frontiers in Microbiology, 2018, 9, 703.	1.5	50
13	Astrobiology as a framework for investigating antibiotic susceptibility: a study of Halomonas hydrothermalis. Journal of the Royal Society Interface, 2017, 14, 20160942.	1.5	4
14	Biotic Interactions in Microbial Communities as Modulators of Biogeochemical Processes: Methanotrophy as a Model System. Frontiers in Microbiology, 2016, 7, 1285.	1.5	95
15	Microbes as Engines of Ecosystem Function: When Does Community Structure Enhance Predictions of Ecosystem Processes?. Frontiers in Microbiology, 2016, 7, 214.	1.5	479
16	The Root-Associated Microbial Community of the Worldâ€™s Highest Growing Vascular Plants. Microbial Ecology, 2016, 72, 394-406.	1.4	75
17	Structure and function of methanogenic microbial communities in sediments of Amazonian lakes with different water types. Environmental Microbiology, 2016, 18, 5082-5100.	1.8	41
18	A flexible and economical barcoding approach for highly multiplexed amplicon sequencing of diverse target genes. Frontiers in Microbiology, 2015, 6, 731.	1.5	164

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19	Stable carbon isotope biogeochemistry of propionate and acetate in methanogenic soils and lake sediments. Organic Geochemistry, 2014, 73, 1-7.	0.9	37
20	Niche differentiation of ammonia oxidizers and nitrite oxidizers in rice paddy soil. Environmental Microbiology, 2013, 15, 2275-2292.	1.8	145
21	Active and total prokaryotic communities in dryland soils. FEMS Microbiology Ecology, 2013, 86, 130-138.	1.3	56
22	Elucidating the microbial resuscitation cascade in biological soil crusts following a simulated rain event. Environmental Microbiology, 2013, 15, 2799-2815.	1.8	93
23	Methanogens at the top of the world: occurrence and potential activity of methanogens in newly deglaciated soils in high-altitude cold deserts in the Western Himalayas. Frontiers in Microbiology, 2013, 4, 359.	1.5	43
24	Methanogenic archaea are globally ubiquitous in aerated soils and become active under wet anoxic conditions. ISME Journal, 2012, 6, 847-862.	4.4	388
25	Effect of long-term free-air CO2 enrichment on the diversity and activity of soil methanogens in a periodically waterlogged grassland. Soil Biology and Biochemistry, 2012, 51, 96-103.	4.2	21
26	Activation of Methanogenesis in Arid Biological Soil Crusts Despite the Presence of Oxygen. PLoS ONE, 2011, 6, e20453.	1.1	207
27	Nitrogen Transformations and Diversity of Ammonia-Oxidizing Bacteria in a Desert Ephemeral Stream Receiving Untreated Wastewater. Microbial Ecology, 2010, 59, 46-58.	1.4	15
28	Soil Microbial Abundance and Diversity Along a Low Precipitation Gradient. Microbial Ecology, 2010, 60, 453-461.	1.4	173
29	Biogeography of soil archaea and bacteria along a steep precipitation gradient. ISME Journal, 2010, 4, 553-563.	4.4	243
30	Chemical and biological monitoring in ephemeral and intermittent streams: a study of two transboundary Palestinianâ€“Israeli watersheds. International Journal of River Basin Management, 2010, 8, 185-205.	1.5	17
31	Israeli/Palestinian transboundary stream restoration and management: lessons for the future. International Journal of River Basin Management, 2010, 8, 207-213.	1.5	3
32	Evaluating amplified rDNA restriction analysis assay for identification of bacterial communities. Antonie Van Leeuwenhoek, 2009, 96, 659-664.	0.7	28
33	In situ measurement of methane fluxes and analysis of transcribed particulate methane monooxygenase in desert soils. Environmental Microbiology, 2009, 11, 2598-2610.	1.8	61
34	Total Nucleic Acid Extraction from Soil. Protocol Exchange, 0, , .	0.3	34