John L Darcy

List of Publications by Year in descending order

31 papers	2,457 citations	516710 16 h-index	454955 30 g-index
35 all docs	35 docs citations	35 times ranked	4034 citing authors

#	Article	IF	Citations
1	Patterns and Processes of Microbial Community Assembly. Microbiology and Molecular Biology Reviews, 2013, 77, 342-356.	6.6	1,325
2	Decreases in average bacterial community rRNA operon copy number during succession. ISME Journal, 2016, 10, 1147-1156.	9.8	146
3	Global Distribution of Polaromonas Phylotypes - Evidence for a Highly Successful Dispersal Capacity. PLoS ONE, 2011, 6, e23742.	2.5	125
4	Nutrient Addition Dramatically Accelerates Microbial Community Succession. PLoS ONE, 2014, 9, e102609.	2.5	106
5	Phylogenetic factorization of compositional data yields lineage-level associations in microbiome datasets. PeerJ, 2017, 5, e2969.	2.0	105
6	Phosphorus, not nitrogen, limits plants and microbial primary producers following glacial retreat. Science Advances, 2018, 4, eaaq0942.	10.3	86
7	Diversity patterns of microbial eukaryotes mirror those of bacteria in Antarctic cryoconite holes. FEMS Microbiology Ecology, 2018, 94, .	2.7	65
8	Metagenomic evidence for metabolism of trace atmospheric gases by high-elevation desert Actinobacteria. Frontiers in Microbiology, 2014, 5, 698.	3.5	62
9	A Developing Symbiosis: Enabling Cross-Talk Between Ecologists and Microbiome Scientists. Frontiers in Microbiology, 2019, 10, 292.	3.5	50
10	ANaganishiain high places: functioning populations or dormant cells from the atmosphere?. Mycology, 2017, 8, 153-163.	4.4	45
11	Comparison of Microbial Communities in the Sediments and Water Columns of Frozen Cryoconite Holes in the McMurdo Dry Valleys, Antarctica. Frontiers in Microbiology, 2019, 10, 65.	3.5	36
12	Single-Stranded DNA Viruses in Antarctic Cryoconite Holes. Viruses, 2019, 11, 1022.	3.3	31
13	Island Biogeography of Cryoconite Hole Bacteria in Antarctica's Taylor Valley and Around the World. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	29
14	Temporal Development of Gut Microbiota in Triclocarban Exposed Pregnant and Neonatal Rats. Scientific Reports, 2016, 6, 33430.	3.3	25
15	The disappearing periglacial ecosystem atop Mt. Kilimanjaro supports both cosmopolitan and endemic microbial communities. Scientific Reports, 2019, 9, 10676.	3.3	21
16	A phylogenetic model for the recruitment of species into microbial communities and application to studies of the human microbiome. ISME Journal, 2020, 14, 1359-1368.	9.8	21
17	A simple method for determining limiting nutrients for photosynthetic crusts. Plant Ecology and Diversity, 2012, 5, 513-519.	2.4	20
18	Fungal communities living within leaves of native Hawaiian dicots are structured by landscapeâ€scale variables as well as by host plants. Molecular Ecology, 2020, 29, 3102-3115.	3.9	20

#	Article	IF	Citations
19	Spatial autocorrelation of microbial communities atop a debris-covered glacier is evidence of a supraglacial chronosequence. FEMS Microbiology Ecology, 2017, 93, .	2.7	19
20	Targeted ITS1 sequencing unravels the mycodiversity of deepâ€sea sediments from the Gulf of Mexico. Environmental Microbiology, 2019, 21, 4046-4061.	3.8	19
21	Nieves penitentes are a new habitat for snow algae in one of the most extreme high-elevation environments on Earth. Arctic, Antarctic, and Alpine Research, 2019, 51, 190-200.	1.1	16
22	Hawaiian Fungal Amplicon Sequence Variants Reveal Otherwise Hidden Biogeography. Microbial Ecology, 2022, 83, 48-57.	2.8	16
23	Multipleâ€trophic patterns of primary succession following retreat of a highâ€elevation glacier. Ecosphere, 2021, 12, e03400.	2.2	15
24	Experimental cryoconite holes as mesocosms for studying community ecology. Polar Biology, 2019, 42, 1973-1984.	1.2	13
25	Structure of bacterial and eukaryote communities reflect in situ controls on community assembly in a high-alpine lake. Journal of Microbiology, 2019, 57, 852-864.	2.8	9
26	Evidence for phosphorus limitation in high-elevation unvegetated soils, Niwot Ridge, Colorado. Biogeochemistry, 2020, 147, 1-13.	3.5	9
27	specificity: an R package for analysis of feature specificity to environmental and higher dimensional variables, applied to microbiome species data. Environmental Microbiomes, 2022, 17, .	5.0	7
28	Gullies and Moraines Are Islands of Biodiversity in an Arid, Mountain Landscape, Asgard Range, Antarctica. Frontiers in Microbiology, 2021, 12, 654135.	3.5	6
29	Freezeâ€“thaw revival of rotifers and algae in a desiccated, high-elevation (5500 meters) microbial mat, high Andes, PerÃº. Extremophiles, 2017, 21, 573-580.	2.3	5
30	Temporal dynamics of gut microbiota in triclocarban-exposed weaned rats. Environmental Science and Pollution Research, 2018, 25, 14743-14751.	5.3	3
31	Insights into an undescribed highâ€elevation lake (6,170 m a.s.l.) on VolcÃ¡n Llullaillaco: A physical and microbiological view. Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 2293-2299.	2.0	1