

Francisco Dini-Andreote

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

4,858
citations

147801

31
h-index

106344

65
g-index

74
all docs

74
docs citations

74
times ranked

5620
citing authors

#	ARTICLE	IF	CITATIONS
1	Disentangling mechanisms that mediate the balance between stochastic and deterministic processes in microbial succession. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1326-32.	7.1	972
2	Ecology and Evolution of Plant Microbiomes. Annual Review of Microbiology, 2019, 73, 69-88.	7.3	379
3	Effects of plastic mulch film residues on wheat rhizosphere and soil properties. Journal of Hazardous Materials, 2020, 387, 121711.	12.4	347
4	Marine probiotics: increasing coral resistance to bleaching through microbiome manipulation. ISME Journal, 2019, 13, 921-936.	9.8	269
5	Community Assembly Processes of the Microbial Rare Biosphere. Trends in Microbiology, 2018, 26, 738-747.	7.7	232
6	The Microbiome of Brazilian Mangrove Sediments as Revealed by Metagenomics. PLoS ONE, 2012, 7, e38600.	2.5	222
7	Dynamics of bacterial community succession in a salt marsh chronosequence: evidences for temporal niche partitioning. ISME Journal, 2014, 8, 1989-2001.	9.8	221
8	The impact of failure: unsuccessful bacterial invasions steer the soil microbial community away from the invader's niche. ISME Journal, 2018, 12, 728-741.	9.8	165
9	Climate change affects key nitrogen-fixing bacterial populations on coral reefs. ISME Journal, 2014, 8, 2272-2279.	9.8	130
10	Organism body size structures the soil microbial and nematode community assembly at a continental and global scale. Nature Communications, 2020, 11, 6406.	12.8	113
11	Genomic signatures and co-occurrence patterns of the ultra-small Saccharimonadia (phylum) Tj ETQq1 1 0.784314 rgBT / Overlock 101	3.9	101
12	Metataxonomic profiling and prediction of functional behaviour of wheat straw degrading microbial consortia. Biotechnology for Biofuels, 2014, 7, 92.	6.2	88
13	Endophytes: The Second Layer of Plant Defense. Trends in Plant Science, 2020, 25, 319-322.	8.8	82
14	Diversity and biotechnological potential of culturable bacteria from Brazilian mangrove sediment. World Journal of Microbiology and Biotechnology, 2009, 25, 1305-1311.	3.6	79
15	Ecological succession reveals potential signatures of marine-terrestrial transition in salt marsh fungal communities. ISME Journal, 2016, 10, 1984-1997.	9.8	76
16	Genetic diversity and plant-growth related features of Burkholderia spp. from sugarcane roots. World Journal of Microbiology and Biotechnology, 2010, 26, 1829-1836.	3.6	66
17	Divergent Co-occurrence Patterns and Assembly Processes Structure the Abundant and Rare Bacterial Communities in a Salt Marsh Ecosystem. Applied and Environmental Microbiology, 2020, 86, .	3.1	66
18	Serotonin Transporter Genotype Modulates the Gut Microbiota Composition in Young Rats, an Effect Augmented by Early Life Stress. Frontiers in Cellular Neuroscience, 2017, 11, 222.	3.7	65

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19	Embracing Community Ecology in Plant Microbiome Research. Trends in Plant Science, 2018, 23, 467-469.	8.8	63
20	Ecological Insights into the Dynamics of Plant Biomass-Degrading Microbial Consortia. Trends in Microbiology, 2017, 25, 788-796.	7.7	59
21	Transgenic tobacco revealing altered bacterial diversity in the rhizosphere during early plant development. Antonie Van Leeuwenhoek, 2008, 93, 415-424.	1.7	53
22	Archaeal communities in the sediments of three contrasting mangroves. Journal of Soils and Sediments, 2011, 11, 1466-1476.	3.0	50
23	Different Selective Effects on Rhizosphere Bacteria Exerted by Genetically Modified versus Conventional Potato Lines. PLoS ONE, 2013, 8, e67948.	2.5	49
24	Exploring rhizo-microbiome transplants as a tool for protective plant-microbiome manipulation. ISME Communications, 2022, 2, .	4.2	48
25	Bacterial Community Assembly in a Typical Estuarine Marsh with Multiple Environmental Gradients. Applied and Environmental Microbiology, 2019, 85, .	3.1	46
26	Abundance and Genetic Diversity of <i>nifH</i> Gene Sequences in Anthropogenically Affected Brazilian Mangrove Sediments. Applied and Environmental Microbiology, 2012, 78, 7960-7967.	3.1	44
27	Dynamics of bacterial and fungal communities associated with eggshells during incubation. Ecology and Evolution, 2014, 4, 1140-1157.	1.9	43
28	Reconstructing the Genetic Potential of the Microbially-Mediated Nitrogen Cycle in a Salt Marsh Ecosystem. Frontiers in Microbiology, 2016, 7, 902.	3.5	39
29	Successive plant growth amplifies genotype-specific assembly of the tomato rhizosphere microbiome. Science of the Total Environment, 2021, 772, 144825.	8.0	38
30	Development of fungal-mediated soil suppressiveness against Fusarium wilt disease via plant residue manipulation. Microbiome, 2021, 9, 200.	11.1	38
31	Bacterial Genomes: Habitat Specificity and Uncharted Organisms. Microbial Ecology, 2012, 64, 1-7.	2.8	37
32	Harnessing the microbiome to control plant parasitic weeds. Current Opinion in Microbiology, 2019, 49, 26-33.	5.1	37
33	Ecological and Evolutionary Implications of Microbial Dispersal. Frontiers in Microbiology, 2022, 13, 855859.	3.5	36
34	Back to the basics: The need for ecophysiological insights to enhance our understanding of microbial behaviour in the rhizosphere. Plant and Soil, 2013, 373, 1-15.	3.7	34
35	Analysis of the bacterial community in glassy-winged sharpshooter heads. Entomological Research, 2007, 37, 261-266.	1.1	27
36	Analysis of 16S rRNA and <i>mxrA</i> genes revealing insights into Methylobacterium niche-specific plant association. Genetics and Molecular Biology, 2012, 35, 142-148.	1.3	26

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37	Contrasting the Genetic Patterns of Microbial Communities in Soda Lakes with and without Cyanobacterial Bloom. <i>Frontiers in Microbiology</i> , 2018, 9, 244.	3.5	25
38	Soil Microbial Diversity Affects the Plant-Root Colonization by Arbuscular Mycorrhizal Fungi. <i>Microbial Ecology</i> , 2021, 82, 100-103.	2.8	25
39	Bacterial Communities Differ among <i>Drosophila melanogaster</i> Populations and Affect Host Resistance against Parasitoids. <i>PLoS ONE</i> , 2016, 11, e0167726.	2.5	24
40	Interactive Effects of Scion and Rootstock Genotypes on the Root Microbiome of Grapevines (<i>Vitis</i> spp.) <i>Trends in Microbiology</i> , 2020, 28, 100-110.	2.5	20
41	Linking the Composition of Bacterial and Archaeal Communities to Characteristics of Soil and Flora Composition in the Atlantic Rainforest. <i>PLoS ONE</i> , 2016, 11, e0146566.	2.5	18
42	Compositional profile of epoxide hydrolase fold proteins in mangrove soil metagenomes: prevalence of epoxide hydrolases and haloalkane dehalogenases in oil-contaminated sites. <i>Microbial Biotechnology</i> , 2015, 8, 604-613.	4.2	17
43	Successional patterns of key genes and processes involved in the microbial nitrogen cycle in a salt marsh chronosequence. <i>Biogeochemistry</i> , 2017, 132, 185-201.	3.5	17
44	Transcriptional Responses of the Bacterium <i>Burkholderia terrae</i> BS001 to the Fungal Host <i>Lyophyllum</i> sp. Strain Karsten under Soil-Mimicking Conditions. <i>Microbial Ecology</i> , 2017, 73, 236-252.	2.8	17
45	Bacterial soil community in a Brazilian sugarcane field. <i>Plant and Soil</i> , 2010, 336, 337-349.	3.7	16
46	Dispersal-competition tradeoff in microbiomes in the quest for land colonization. <i>Scientific Reports</i> , 2018, 8, 9451.	3.3	15
47	Microbial community assembly in soil aggregates: A dynamic interplay of stochastic and deterministic processes. <i>Applied Soil Ecology</i> , 2021, 163, 103911.	4.3	15
48	Genetic variability of Brazilian isolates of <i>Alternaria alternata</i> detected by AFLP and RAPD techniques. <i>Brazilian Journal of Microbiology</i> , 2009, 40, 670-677.	2.0	13
49	Aligning the Measurement of Microbial Diversity with Macroecological Theory. <i>Frontiers in Microbiology</i> , 2016, 7, 1487.	3.5	13
50	Comparing the Influence of Assembly Processes Governing Bacterial Community Succession Based on DNA and RNA Data. <i>Microorganisms</i> , 2020, 8, 798.	3.6	13
51	Light induced intraspecific variability in response to thermal stress in the hard coral <i>Stylophora pistillata</i> . <i>PeerJ</i> , 2017, 5, e3802.	2.0	12
52	Modulation of the Tomato Rhizosphere Microbiome via Changes in Root Exudation Mediated by the Ethylene Receptor NR. <i>Microorganisms</i> , 2021, 9, 2456.	3.6	12
53	Genes related to antioxidant metabolism are involved in <i>Methylobacterium mesophilicum</i> -soybean interaction. <i>Antonie Van Leeuwenhoek</i> , 2015, 108, 951-963.	1.7	11
54	Organic Amendment Under Increasing Agricultural Intensification: Effects on Soil Bacterial Communities and Plant Productivity. <i>Frontiers in Microbiology</i> , 2018, 9, 2612.	3.5	11

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55	DiSCount: computer vision for automated quantification of Striga seed germination. <i>Plant Methods</i> , 2020, 16, 60.	4.3	11
56	Changes in bulk soil affect the disease-suppressive rhizosphere microbiome against Fusarium wilt disease. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 307.	1.4	11
57	Promoting soil microbial-mediated suppressiveness against Fusarium wilt disease by the enrichment of specific fungal taxa via crop rotation. <i>Biology and Fertility of Soils</i> , 2021, 57, 1137-1153.	4.3	11
58	Microbial phylogenetic relatedness links to distinct successional patterns of bacterial and fungal communities. <i>Environmental Microbiology</i> , 2022, 24, 3985-4000.	3.8	11
59	Towards meaningful scales in ecosystem microbiome research. <i>Environmental Microbiology</i> , 2021, 23, 1-4.	3.8	10
60	Draft Genome Sequence of <i>Bacillus stratosphericus</i> LAMA 585, Isolated from the Atlantic Deep Sea. <i>Genome Announcements</i> , 2013, 1, .	0.8	9
61	Soil microbial interconnections along ecological restoration gradients of lowland forests after slash-and-burn agriculture. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	2.7	8
62	Draft Genome Sequence of <i>Methylobacterium mesophilicum</i> Strain SR1.6/6, Isolated from Citrus sinensis. <i>Genome Announcements</i> , 2013, 1, .	0.8	7
63	Phenotypic traits of <i>Burkholderia</i> spp. associated with ecological adaptation and plant-host interaction. <i>Microbiological Research</i> , 2020, 236, 126451.	5.3	7
64	Endophytic Bacteria Associated to Sharpshooters (Hemiptera: Cicadellidae), Insect Vectors of <i>Xylella fastidiosa</i> Subsp. pauca. <i>Journal of Plant Pathology & Microbiology</i> , 2011, 02, .	0.3	7
65	Effects of vegetation and seasonality on bacterial communities in Amazonian dark earth and adjacent soils. <i>African Journal of Microbiology Research</i> , 2015, 9, 2119-2134.	0.4	6
66	Biotechnological potential of <i>Candida</i> spp. for the bioconversion of D-xylose to xylitol. <i>African Journal of Microbiology Research</i> , 2014, 8, 2030-2036.	0.4	6
67	Embracing Complexity in Ecosystem Response to Global Change. <i>Environmental Science & Technology</i> , 2022, 56, 9832-9834.	10.0	6
68	Compositional and abundance changes of nitrogen-cycling genes in plant-root microbiomes along a salt marsh chronosequence. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 2061-2078.	1.7	5
69	Draft Genome Sequence of <i>Bacillus thuringiensis</i> Strain BrMgv02-JM63, a Chitinolytic Bacterium Isolated from Oil-Contaminated Mangrove Soil in Brazil. <i>Genome Announcements</i> , 2014, 2, .	0.8	4
70	The Soil Microbiome—An Overview. , 2019, , 37-48.		4
71	Dispersal mitigates bacterial dominance over microalgal competitor in metacommunities. <i>Oecologia</i> , 2020, 193, 677-687.	2.0	1
72	Editorial: Advancements in the Understanding of Anthropogenic Impacts on the Microbial Ecology and Function of Aquatic Environments. <i>Frontiers in Microbiology</i> , 2021, 12, 820697.	3.5	0