Pankaj Trivedi

List of Publications by Year
in descending order

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46 papers	6,588 citations	147801 31 h-index	214800 47 g-index
49 all docs	49 docs citations	49 times ranked	6207 citing authors

#	Article	IF	Citations
1	Plantâ€“microbiome interactions: from community assembly to plant health. Nature Reviews Microbiology, 2020, 18, 607-621.	28.6	1,381
2	Multiple elements of soil biodiversity drive ecosystem functions across biomes. Nature Ecology and Evolution, 2020, 4, 210-220.	7.8	543
3	Microbial modulators of soil carbon storage: integrating genomic and metabolic knowledge for global prediction. Trends in Microbiology, 2013, 21, 641-651.	7.7	429
4	Microbial regulation of the soil carbon cycle: evidence from geneâ€“enzyme relationships. ISME Journal, 2016, 10, 2593-2604.	9.8	324
5	The structure and function of the global citrus rhizosphere microbiome. Nature Communications, 2018, 9, 4894.	12.8	304
6	Citrus Huanglongbing: A Newly Relevant Disease Presents Unprecedented Challenges. Phytopathology, 2013, 103, 652-665.	2.2	290
7	Field study reveals core plant microbiota and relative importance of their drivers. Environmental Microbiology, 2018, 20, 124-140.	3.8	255
8	Communication in the Phytobiome. Cell, 2017, 169, 587-596.	28.9	251
9	Response of Soil Properties and Microbial Communities to Agriculture: Implications for Primary Productivity and Soil Health Indicators. Frontiers in Plant Science, 2016, 7, 990.	3.6	231
10	Soil aggregation and associated microbial communities modify the impact of agricultural management on carbon content. Environmental Microbiology, 2017, 19, 3070-3086.	3.8	180
11	Plantâ€“microbiome interactions under a changing world: responses, consequences and perspectives. New Phytologist, 2022, 234, 1951-1959.	7.3	171
12	Crop microbiome and sustainable agriculture. Nature Reviews Microbiology, 2020, 18, 601-602.	28.6	164
13	Huanglongbing alters the structure and functional diversity of microbial communities associated with citrus rhizosphere. ISME Journal, 2012, 6, 363-383.	9.8	162
14	Global ecological predictors of the soil priming effect. Nature Communications, 2019, 10, 3481.	12.8	148
15	Microbiome and the future for food and nutrient security. Microbial Biotechnology, 2017, 10, 50-53.	4.2	134
16	Climate change microbiology â€” problems and perspectives. Nature Reviews Microbiology, 2019, 17, 391-396.	28.6	130
17	Microbial richness and composition independently drive soil multifunctionality. Functional Ecology, 2017, 31, 2330-2343.	3.6	126
18	Bacterial Diversity Analysis of Huanglongbing Pathogen-Infected Citrus, Using PhyloChip Arrays and 16S rRNA Gene Clone Library Sequencing. Applied and Environmental Microbiology, 2009, 75, 1566-1574.	3.1	125

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19	Isolation and Characterization of Beneficial Bacteria Associated with Citrus Roots in Florida. Microbial Ecology, 2011, 62, 324-336.	2.8	122
20	Enabling sustainable agriculture through understanding and enhancement of microbiomes. New Phytologist, 2021, 230, 2129-2147.	7.3	121
21	Tiny Microbes, Big Yields: enhancing food crop production with biological solutions. Microbial Biotechnology, 2017, 10, 999-1003.	4.2	119
22	â€˜Candidatus Liberibacter asiaticusâ€™ Encodes a Functional Salicylic Acid (SA) Hydroxylase That Degrades SA to Suppress Plant Defenses. Molecular Plant-Microbe Interactions, 2017, 30, 620-630.	2.6	108
23	Huanglongbing, a Systemic Disease, Restructures the Bacterial Community Associated with Citrus Roots. Applied and Environmental Microbiology, 2010, 76, 3427-3436.	3.1	101
24	Global homogenization of the structure and function in the soil microbiome of urban greenspaces. Science Advances, 2021, 7, .	10.3	83
25	Field Evaluation of Plant Defense Inducers for the Control of Citrus Huanglongbing. Phytopathology, 2016, 106, 37-46.	2.2	67
26	Fertilization alters protistan consumers and parasites in cropâ€associated microbiomes. Environmental Microbiology, 2021, 23, 2169-2183.	3.8	52
27	Ecoâ€holobiont: A new concept to identify drivers of hostâ€associated microorganisms. Environmental Microbiology, 2020, 22, 564-567.	3.8	51
28	The influence of soil age on ecosystem structure and function across biomes. Nature Communications, 2020, 11, 4721.	12.8	47
29	Harnessing Host-Vector Microbiome for Sustainable Plant Disease Management of Phloem-Limited Bacteria. Frontiers in Plant Science, 2016, 7, 1423.	3.6	46
30	Microbial nitrous oxide emissions in dryland ecosystems: mechanisms, microbiome and mitigation. Environmental Microbiology, 2017, 19, 4808-4828.	3.8	40
31	Intransitive competition is common across five major taxonomic groups and is driven by productivity, competitive rank and functional traits. Journal of Ecology, 2018, 106, 852-864.	4.0	36
32	Climatic vulnerabilities and ecological preferences of soil invertebrates across biomes. Molecular Ecology, 2020, 29, 752-761.	3.9	29
33	ACC deaminase and indole acetic acid producing endophytic bacterial co-inoculation improves physiological traits of red pepper (Capsicum annum L.) under salt stress. Journal of Plant Physiology, 2021, 267, 153544.	3.5	27
34	Host immune responses accelerate pathogen evolution. ISME Journal, 2014, 8, 727-731.	9.8	22
35	Labelâ€free proteomics approach reveals candidate proteins in rice (Oryza sativa L.) important for <scp>ACC</scp> deaminase producing bacteriaâ€mediated tolerance against salt stress. Environmental Microbiology, 2022, 24, 3612-3624.	3.8	21
36	Water deficit affects interâ€kingdom microbial connections in plant rhizosphere. Environmental Microbiology, 2022, 24, 3722-3734.	3.8	21

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37	Synthetic community improves crop performance and alters rhizosphere microbial communities. , 2022, 1, 118-131.		18
38	Plant Microbiomes: Do Different Preservation Approaches and Primer Sets Alter Our Capacity to Assess Microbial Diversity and Community Composition?. Frontiers in Plant Science, 2020, 11, 993.	3.6	16
39	The Citrus Microbiome: From Structure and Function to Microbiome Engineering and Beyond. Phytobiomes Journal, 2021, 5, 249-262.	2.7	16
40	The Proportion of Soil-Borne Fungal Pathogens Increases with Elevated Organic Carbon in Agricultural Soils. MSystems, 2022, 7, e0133721.	3.8	12
41	Yellow Canopy Syndrome in sugarcane is associated with shifts in the rhizosphere soil metagenome but not with overall soil microbial function. Soil Biology and Biochemistry, 2018, 125, 275-285.	8.8	9
42	Quantification of insecticide spatial distribution within individual citrus trees and efficacy through Asian citrus psyllid reductions under different application methods. Pest Management Science, 2021, 77, 1748-1756.	3.4	6
43	High Spatial Resolution Fluorescence Imagery for Optimized Pest Management in a Huanglongbing-Infected Citrus Grove. Phytopathology, 2022, 112, 173-179.	2.2	3
44	Environmental filtering controls soil biodiversity in wet tropical ecosystems. Soil Biology and Biochemistry, 2022, 166, 108571.	8.8	3
45	Limited legacy effects of extreme multiyear drought on carbon and nitrogen cycling in a mesic grassland. Elementa, 2022, 10, .	3.2	2
46	Response to comment on â€œClimate legacies drive global soil carbon stocks in terrestrial ecosystemâ€• Science Advances, 2018, 4, eaat1296.	10.3	1