Andrea Porras-Alfaro

List of Publications by Year
in descending order

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47 papers	7,126 citations	257357 24 h-index	223716 46 g-index
50 all docs	50 docs citations	50 times ranked	11807 citing authors

#	Article	IF	Citations
1	Ribosomal Database Project: data and tools for high throughput rRNA analysis. Nucleic Acids Research, 2014, 42, D633-D642.	6.5	3,768
2	Hidden Fungi, Emergent Properties: Endophytes and Microbiomes. Annual Review of Phytopathology, 2011, 49, 291-315.	3.5	753
3	Pulse dynamics and microbial processes in aridland ecosystems. Journal of Ecology, 2008, 96, 413-420.	1.9	330
4	Novel Root Fungal Consortium Associated with a Dominant Desert Grass. Applied and Environmental Microbiology, 2008, 74, 2805-2813.	1.4	189
5	Fungal identification using a Bayesian classifier and the Warcup training set of internal transcribed spacer sequences. Mycologia, 2016, 108, 1-5.	0.8	178
6	Accurate, Rapid Taxonomic Classification of Fungal Large-Subunit rRNA Genes. Applied and Environmental Microbiology, 2012, 78, 1523-1533.	1.4	160
7	Sequence-based classification and identification of Fungi. Mycologia, 2016, 108, 1049-1068.	0.8	154
8	Diversity and distribution of soil fungal communities in a semiarid grassland. Mycologia, 2011, 103, 10-21.	0.8	153
9	Translocation of nitrogen and carbon integrates biotic crust and grass production in desert grassland. Journal of Ecology, 2008, 96, 1076-1085.	1.9	134
10	Photoacceleration of plant litter decomposition in an arid environment. Soil Biology and Biochemistry, 2009, 41, 1433-1441.	4.2	127
11	A general suite of fungal endophytes dominate the roots of two dominant grasses in a semiarid grassland. Journal of Arid Environments, 2010, 74, 35-42.	1.2	103
12	Effect of long-term nitrogen fertilization on mycorrhizal fungi associated with a dominant grass in a semiarid grassland. Plant and Soil, 2007, 296, 65-75.	1.8	101
13	Mycorrhizal fungi of Vanilla: diversity, specificity and effects on seed germination and plant growth. Mycologia, 2007, 99, 510-525.	0.8	99
14	Genomes and secretomes of Ascomycota fungi reveal diverse functions in plant biomass decomposition and pathogenesis. BMC Genomics, 2019, 20, 976.	1.2	96
15	Shifting fungal endophyte communities colonizeBouteloua gracilis: effect of host tissue and geographical distribution. Mycologia, 2010, 102, 1012-1026.	0.8	90
16	From Genus to Phylum: Large-Subunit and Internal Transcribed Spacer rRNA Operon Regions Show Similar Classification Accuracies Influenced by Database Composition. Applied and Environmental Microbiology, 2014, 80, 829-840.	1.4	88
17	Nitrogen deposition alters plantâ€“fungal relationships: linking belowground dynamics to aboveground vegetation change. Molecular Ecology, 2014, 23, 1364-1378.	2.0	65
18	Mycorrhizal fungi of Vanilla: diversity, specificity and effects on seed germination and plant growth. Mycologia, 2007, 99, 510-525.	0.8	51

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19	Psychrophilic and Psychrotolerant Fungi on Bats and the Presence of Geomyces spp. on Bat Wings Prior to the Arrival of White Nose Syndrome. Applied and Environmental Microbiology, 2013, 79, 5465-5471.	1.4	40
20	Western Bats as a Reservoir of Novel Streptomyces Species with Antifungal Activity. Applied and Environmental Microbiology, 2017, 83, .	1.4	35
21	Meeting Report: Fungal ITS Workshop (October 2012). Standards in Genomic Sciences, 2013, 8, 118-123.	1.5	34
22	Biogeography of Root-Associated Fungal Endophytes. Ecological Studies, 2017, , 195-222.	0.4	30
23	Fungal Communities Associated with Rock Varnish in Black Canyon, New Mexico: Casual Inhabitants or Essential Partners?. Geomicrobiology Journal, 2012, 29, 752-766.	1.0	29
24	Bifiguratus adelaidae, gen. et sp. nov., a new member of Mucoromycotina in endophytic and soil-dwelling habitats. Mycologia, 2017, 109, 363-378.	0.8	27
25	Endophytic fungal symbionts associated with gypsophilous plants. Botany, 2014, 92, 295-301.	0.5	26
26	Presence and distribution of heavy metal tolerant fungi in surface soils of a temperate pine forest. Applied Soil Ecology, 2018, 131, 66-74.	2.1	26
27	Skin and fur bacterial diversity and community structure on American southwestern bats: effects of habitat, geography and bat traits. PeerJ, 2017, 5, e3944.	0.9	25
28	Assembly of rootâ€associated bacteria communities: interactions between abiotic and biotic factors. Environmental Microbiology Reports, 2015, 7, 102-110.	1.0	20
29	Phylogenetic Diversity of Sponge-Associated Fungi from the Caribbean and the Pacific of Panama and Their In Vitro Effect on Angiotensin and Endothelin Receptors. Marine Biotechnology, 2015, 17, 533-564.	1.1	19
30	Seed-associated fungi in the alpine tundra: Both mutualists and pathogens could impact plant recruitment. Fungal Ecology, 2017, 30, 10-18.	0.7	18
31	Microscopic characterization of orchid mycorrhizal fungi: Scleroderma as a putative novel orchid mycorrhizal fungus of Vanilla in different crop systems. Mycorrhiza, 2018, 28, 147-157.	1.3	17
32	Experimental drought reâ€ordered assemblages of rootâ€associated fungi across North American grasslands. Journal of Ecology, 2021, 109, 776-792.	1.9	17
33	Biogeography of rootâ€associated fungi in foundation grasses of North American plains. Journal of Biogeography, 2022, 49, 22-37.	1.4	17
34	Soil Fungal Cellobiohydrolase I Gene (cbhI) Composition and Expression in a Loblolly Pine Plantation under Conditions of Elevated Atmospheric CO ₂ and Nitrogen Fertilization. Applied and Environmental Microbiology, 2012, 78, 3950-3957.	1.4	14
35	Root-associated fungal community response to drought-associated changes in vegetation community. Mycologia, 2015, 107, 1089-1104.	0.8	12
36	Keratinophilic fungi: Specialized fungal communities in a desert ecosystem identified using cultured-based and Illumina sequencing approaches. Microbiological Research, 2020, 239, 126530.	2.5	12

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37	Diversity of thermophilic and thermotolerant fungi in corn grain. Mycologia, 2019, 111, 719-729.	0.8	11
38	Vanilla aerial and terrestrial roots host rich communities of orchid mycorrhizal and ectomycorrhizal fungi. Plants People Planet, 2021, 3, 541-552.	1.6	8
39	A study of Glycine max (soybean) fungal communities under different agricultural practices. Plant Gene, 2017, 11, 8-16.	1.4	7
40	6. Fungal Diversity, Community Structure and Their Functional Roles in Desert Soils. , 2017, , 97-122.		7
41	Streptomyces buecherae sp. nov., an actinomycete isolated from multiple bat species. Antonie Van Leeuwenhoek, 2020, 113, 2213-2221.	0.7	6
42	Seasonal variation and potential roles of dark septate fungi in an arid grassland. Mycologia, 2021, 113, 1-18.	0.8	6
43	Darksidea phi, sp. nov., a dark septate root-associated fungus in foundation grasses in North American Great Plains. Mycologia, 2022, 114, 254-269.	0.8	6
44	Ribosomal RNA gene detection and targeted culture of novel nitrogen-responsive fungal taxa from temperate pine forest soil. Mycologia, 2016, 108, 1082-1090.	0.8	5
45	Presence and distribution of insect-associated and entomopathogenic fungi in a temperate pine forest soil: An integrated approach. Fungal Biology, 2019, 123, 864-874.	1.1	3
46	Streptomyces corynorhini sp. nov., isolated from Townsendâ€™s big-eared bats (Corynorhinus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	0.7	3
47	Improving Instructional Fitness Requires Change. BioScience, 2020, 70, 1027-1035.	2.2	1