Gregory S Gilbert

List of Publications by Year
in descending order

81	7,343	37	81
papers	citations	h-index (94433)	g-index (60623)

84	84	84	8770
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	<i>allodb</i>: An R package for biomass estimation at globally distributed extratropical forest plots. Methods in Ecology and Evolution, 2022, 13, 330-338.	5.2	11
2	North American tree migration paced by climate in the West, lagging in the East. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	27
3	Discursive Strategies for Climate Change Reporting: A Case Study of <i>The Mercury News</i>. Environmental Communication, 2022, 16, 505-519.	2.5	4
4	Globally, tree fecundity exceeds productivity gradients. Ecology Letters, 2022, 25, 1471-1482.	6.4	11
5	Limits to reproduction and seed size-number trade-offs that shape forest dominance and future recovery. Nature Communications, 2022, 13, 2381.	12.8	21
6	Phylogenetic Distance Metrics for Studies of Focal Species in Communities: Quantiles and Cumulative Curves. Diversity, 2022, 14, 521.	1.7	4
7	Mycorrhizal type influences plant density dependence and species richness across 15 temperate forests. Ecology, 2021, 102, e03259.	3.2	20
8	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. Biological Conservation, 2021, 253, 108907.	4.1	122
9	Host evolutionary relationships explain tree mortality caused by a generalist pestâ€“pathogen complex. Evolutionary Applications, 2021, 14, 1083-1094.	3.1	9
10	Continent-wide tree fecundity driven by indirect climate effects. Nature Communications, 2021, 12, 1242.	12.8	46
11	Tree Canopies Reflect Mycorrhizal Composition. Geophysical Research Letters, 2021, 48, e2021GL092764.	4.0	21
12	Arbuscular mycorrhizal trees influence the latitudinal beta-diversity gradient of tree communities in forests worldwide. Nature Communications, 2021, 12, 3137.	12.8	28
13	Is there tree senescence? The fecundity evidence. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	42
14	Parasitism to mutualism continuum for Joshua trees inoculated with different communities of arbuscular mycorrhizal fungi from a desert elevation gradient. PLoS ONE, 2021, 16, e0256068.	2.5	7
15	Fungal spore diversity, community structure, and traits across a vegetation mosaic. Fungal Ecology, 2020, 45, 100920.	1.6	11
16	Dilution effect of plant diversity on infectious diseases: latitudinal trend and biological context dependence. Oikos, 2020, 129, 457-465.	2.7	47
17	Linking Aboveground Traits to Root Traits and Local Environment: Implications of the Plant Economics Spectrum. Frontiers in Plant Science, 2019, 10, 1412.	3.6	46
18	Soil microbes drive phylogenetic diversity-productivity relationships in a subtropical forest. Science Advances, 2019, 5, eaax5088.	10.3	48

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19	Ectomycorrhizas and tree seedling establishment are strongly influenced by forest edge proximity but not soil inoculum. Ecological Applications, 2019, 29, e01867.	3.8	19
20	Adapterama II: universal amplicon sequencing on Illumina platforms (TaggiMatrix). PeerJ, 2019, 7, e7786.	2.0	47
21	Can 100 must-read papers also reflect â€˜whoâ€™ is ecology?. Nature Ecology and Evolution, 2018, 2, 203-203.	7.8	4
22	Contextâ€dependent mutualisms in the Joshua treeâ€“yucca moth system shift along a climate gradient. Ecosphere, 2018, 9, e02439.	2.2	22
23	Global importance of largeâ€diameter trees. Global Ecology and Biogeography, 2018, 27, 849-864.	5.8	330
24	Densityâ€dependent disease, lifeâ€history tradeâ€offs, and the effect of leaf pathogens on a suite of coâ€occurring close relatives. Journal of Ecology, 2018, 106, 1829-1838.	4.0	33
25	Meteorological factors associated with abundance of airborne fungal spores over natural vegetation. Atmospheric Environment, 2017, 162, 87-99.	4.1	33
26	Introduced Species, Disease Ecology, and Biodiversityâ€“Disease Relationships. Trends in Ecology and Evolution, 2017, 32, 41-54.	8.7	135
27	Persistence of Neighborhood Demographic Influences over Long Phylogenetic Distances May Help Drive Post-Speciation Adaptation in Tropical Forests. PLoS ONE, 2016, 11, e0156913.	2.5	12
28	The Evolutionary Ecology of Plant Disease: A Phylogenetic Perspective. Annual Review of Phytopathology, 2016, 54, 549-578.	7.8	78
29	Use of sonic tomography to detect and quantify wood decay in living trees. Applications in Plant Sciences, 2016, 4, 1600060.	2.1	32
30	Early successional understory communities show idiosyncratic phylogenetic patterns in Neotropical silvicultural plantations. Forest Ecology and Management, 2016, 372, 28-34.	3.2	4
31	Adult trees cause densityâ€dependent mortality in conspecific seedlings by regulating the frequency of pathogenic soil fungi. Ecology Letters, 2016, 19, 1448-1456.	6.4	88
32	Phylogenetic congruence between subtropical trees and their associated fungi. Ecology and Evolution, 2016, 6, 8412-8422.	1.9	16
33	Exploring Models in the Biology Classroom. American Biology Teacher, 2016, 78, 35-42.	0.2	21
34	The Impact of Plant Enemies Shows a Phylogenetic Signal. PLoS ONE, 2015, 10, e0123758.	2.5	49
35	Phylogenetic structure and host abundance drive disease pressure in communities. Nature, 2015, 520, 542-544.	27.8	264
36	<scp>CTFS</scp>â€Forest<scp>GEO</scp>: a worldwide network monitoring forests in an era of global change. Global Change Biology, 2015, 21, 528-549.	9.5	473

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37	Rarely parasitized and unparasitized species mob and alarm call to cuckoos: implications for sparrowhawk mimicry by brood parasitic cuckoos. Wilson Journal of Ornithology, 2013, 125, 627-630.	0.2	13
38	Phylogenetic ecology applied to enrichment planting of tropical native tree species. Forest Ecology and Management, 2013, 297, 57-66.	3.2	30
39	Community composition of rootâ€associated fungi in a <i><scp>Q</scp>uercus</i>â€dominated temperate forest: â€œcodominanceâ€•of mycorrhizal and rootâ€endophytic fungi. Ecology and Evolution, 2013, 3, 1281-1293.	1.9	133
40	Allelopathy: a tool for weed management in forest restoration. Plant Ecology, 2012, 213, 1975-1989.	1.6	64
41	Evolutionary tools for phytosanitary risk analysis: phylogenetic signal as a predictor of host range of plant pests and pathogens. Evolutionary Applications, 2012, 5, 869-878.	3.1	114
42	ORIGINAL ARTICLE: Rapid evolution in a plantâ€pathogen interaction and the consequences for introduced host species. Evolutionary Applications, 2010, 3, 144-156.	3.1	56
43	Beyond the tropics: forest structure in a temperate forest mapped plot. Journal of Vegetation Science, 2010, 21, 388-405.	2.2	33
44	Cooperative management and its effects on shade tree diversity, soil properties and ecosystem services of coffee plantations in western El Salvador. Agroforestry Systems, 2009, 76, 111-126.	2.0	40
45	Genetic population structure and distribution of a fungal polypore,<i>Datronia caperata</i>(Polyporaceae), in mangrove forests of Central America. Journal of Biogeography, 2009, 36, 266-279.	3.0	18
46	Cooperative management and its effects on shade tree diversity, soil properties and ecosystem services of coffee plantations in western El Salvador. Advances in Agroforestry, 2009, , 111-126.	0.8	1
47	Pathogens promote plant diversity through a compensatory response. Ecology Letters, 2008, 11, 461-469.	6.4	71
48	Host and habitat preferences of polypore fungi in Micronesian tropical flooded forests. Mycological Research, 2008, 112, 674-680.	2.5	49
49	Porroca: An Emerging Disease of Coconut in Central America. Plant Disease, 2008, 92, 826-830.	1.4	2
50	Phylogenetic signal in plant pathogen-host range. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4979-4983.	7.1	633
51	THE PATCHINESS OF EPIFOLIAR FUNGI IN TROPICAL FORESTS: HOST RANGE, HOST ABUNDANCE, AND ENVIRONMENT. Ecology, 2007, 88, 575-581.	3.2	55
52	FUNGAL SYMBIONTS OF TROPICAL TREES1. Ecology, 2007, 88, 539-540.	3.2	11
53	WHEN THERE IS NO ESCAPE: THE EFFECTS OF NATURAL ENEMIES ON NATIVE, INVASIVE, AND NONINVASIVE PLANTS. Ecology, 2007, 88, 1210-1224.	3.2	130
54	DIRECT AND INTERACTIVE EFFECTS OF ENEMIES AND MUTUALISTS ON PLANT PERFORMANCE: A META-ANALYSIS. Ecology, 2007, 88, 1021-1029.	3.2	208

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55	Tree biodiversity in farmer cooperatives of a shade coffee landscape in western El Salvador. Agriculture, Ecosystems and Environment, 2007, 119, 145-159.	5.3	68
56	Soil calcium and plant disease in serpentine ecosystems: a test of the pathogen refuge hypothesis. Oecologia, 2007, 151, 10-21.	2.0	16
57	PHYLODIVERSITY-DEPENDENT SEEDLING MORTALITY, SIZE STRUCTURE, AND DISEASE IN A BORNEAN RAIN FOREST. Ecology, 2006, 87, S123-S131.	3.2	191
58	Biotic interactions and plant invasions. Ecology Letters, 2006, 9, 726-740.	6.4	649
59	Dimensions of plant disease in tropical forests. , 2005, , 141-164.		43
60	Nocturnal Fungi: Airborne Spores in the Canopy and Understory of a Tropical Rain Forest1. Biotropica, 2005, 37, 462-464.	1.6	60
61	Epifoliar fungi from Queensland, Australia. Australian Systematic Botany, 2005, 18, 265.	0.9	37
62	Population genetic structure of the polypore Datronia caperata in fragmented mangrove forests. Mycological Research, 2004, 108, 403-410.	2.5	25
63	The Evolutionary Ecology of Novel Plant-Pathogen Interactions. Annual Review of Ecology, Evolution, and Systematics, 2004, 35, 675-700.	8.3	292
64	Effect of tree host species on fungal community composition in a tropical rain forest in Panama. Diversity and Distributions, 2003, 9, 455-468.	4.1	57
65	Susceptibility of clover species to fungal infection: the interaction of leaf surface traits and environment. American Journal of Botany, 2003, 90, 857-864.	1.7	88
66	EVOLUTIONARYECOLOGY OFPLANTDISEASES INNATURALECOSYSTEMS. Annual Review of Phytopathology, 2002, 40, 13-43.	7.8	464
67	Fungal diversity and plant disease in mangrove forests: salt excretion as a possible defense mechanism. Oecologia, 2002, 132, 278-285.	2.0	44
68	Host Specialization among Wood-Decay Polypore Fungi in a Caribbean Mangrove Forest1. Biotropica, 2002, 34, 396-404.	1.6	52
69	Polypore fungal diversity and host density in a moist tropical forest. Biodiversity and Conservation, 2002, 11, 947-957.	2.6	73
70	Effects of seedling size, El NiÃ±o drought, seedling density, and distance to nearest conspecific adult on 6-year survival of Ocotea whitei seedlings in PanamÃ¡. Oecologia, 2001, 127, 509-516.	2.0	139
71	Fungal endophytes in dicotyledonous neotropical trees: patterns of abundance and diversity. Mycological Research, 2001, 105, 1502-1507.	2.5	241
72	Are tropical fungal endophytes hyperdiverse?. Ecology Letters, 2000, 3, 267-274.	6.4	676

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73	Growth and survival of aerial roots of hemiepiphytes in a lower montane tropical moist forest in Panama. Journal of Tropical Ecology, 1999, 15, 651-665.	1.1	20
74	The Effect of Rust Infection on Reproduction in a Tropical Tree (Faramea occidentalis)1. Biotropica, 1998, 30, 438-443.	1.6	20
75	Multiple-scale spatial distribution of the fungal epiphyll Scolecopeltidium on Trichilia spp. in two lowland moist tropical forests. Canadian Journal of Botany, 1997, 75, 2158-2164.	1.1	10
76	Plant Diseases and the Conservation of Tropical Forests. BioScience, 1996, 46, 98-106.	4.9	57
77	Interspecific Variation in Rates of Trunk Wound Closure in a Panamanian Lowland Forest. Biotropica, 1996, 28, 23.	1.6	19
78	A Canker Disease of Seedlings and Saplings ofTetragastris panamensis(Burseraceae) Caused byBotryosphaeria dothideain a Lowland Tropical Forest. Plant Disease, 1996, 80, 684.	1.4	21
79	Effects of an Introduced Bacterium on Bacterial Communities on Roots. Ecology, 1993, 74, 840-854.	3.2	97
80	The Role of Ascospores and Conidia as Propagules in the Disease Cycle of<i>Hypoxylon mammatum</i>. Phytopathology, 1992, 82, 114.	2.2	16
81	Role of ammonia and calcium in lysis of zoospores ofPhytophthora cactorum byBacillus cereus strain UW85. Experimental Mycology, 1990, 14, 1-8.	1.6	21