

Climatic controls of decomposition drive the global biogeochemical cycles

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Strong spatial and temporal turnover of soil bacterial communities in South Africa's hyperdiverse fynbos biome. <i>Soil Biology and Biochemistry</i> , 2019, 136, 107541.	4.2	25
2	Alterations of Arbuscular Mycorrhizal Fungal Diversity in Soil with Elevation in Tropical Forests of China. <i>Diversity</i> , 2019, 11, 181.	0.7	12
3	Global mycorrhizal plant distribution linked to terrestrial carbon stocks. <i>Nature Communications</i> , 2019, 10, 5077.	5.8	170
4	Global imprint of mycorrhizal fungi on whole-plant nutrient economics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23163-23168.	3.3	169
5	Climate drives the spatial distribution of mycorrhizal host plants in terrestrial ecosystems. <i>Journal of Ecology</i> , 2019, 107, 2564-2573.	1.9	25
6	The global soil community and its influence on biogeochemistry. <i>Science</i> , 2019, 365, .	6.0	586
7	The ecologist who wants to map everything. <i>Nature</i> , 2019, 573, 478-481.	13.7	4
8	Constraining Carbon and Nutrient Flows in Soil With Ecological Stoichiometry. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	33
9	ILC3s take control in small intestine. <i>Nature Reviews Immunology</i> , 2019, 19, 353-353.	10.6	2
10	Contribution of bacterial-fungal balance to plant and animal health. <i>Current Opinion in Microbiology</i> , 2019, 49, 66-72.	2.3	45
11	Facultative mycorrhizal associations promote plant naturalization worldwide. <i>Ecosphere</i> , 2019, 10, e02937.	1.0	16
12	Climate change effects on plant-soil feedbacks and consequences for biodiversity and functioning of terrestrial ecosystems. <i>Science Advances</i> , 2019, 5, eaaz1834.	4.7	245
13	Decelerated carbon cycling by ectomycorrhizal fungi is controlled by substrate quality and community composition. <i>New Phytologist</i> , 2020, 226, 569-582.	3.5	53
14	Dual mycorrhizal plants: their ecology and relevance. <i>New Phytologist</i> , 2020, 225, 1835-1851.	3.5	119
15	Asymmetric patterns of global diversity among plants and mycorrhizal fungi. <i>Journal of Vegetation Science</i> , 2020, 31, 355-366.	1.1	20
16	Finding fungal ecological strategies: Is recycling an option?. <i>Fungal Ecology</i> , 2020, 46, 100902.	0.7	8
17	The DEEDS platform: Support for integrated data and computing across the research lifecycle. <i>Future Generation Computer Systems</i> , 2020, 111, 793-805.	4.9	4
18	Positive cascading effect of restoring forests. <i>International Soil and Water Conservation Research</i> , 2020, 8, 102.	3.0	9

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19	Imaging spectroscopy reveals the effects of topography and logging on the leaf chemistry of tropical forest canopy trees. <i>Global Change Biology</i> , 2020, 26, 989-1002.	4.2	37
20	Fungal functional ecology: bringing a trait-based approach to plant-associated fungi. <i>Biological Reviews</i> , 2020, 95, 409-433.	4.7	171
21	How does forest management affect fungal diversity and community composition? Current knowledge and future perspectives for the conservation of forest fungi. <i>Forest Ecology and Management</i> , 2020, 457, 117678.	1.4	100
22	New forest biomass carbon stock estimates in Northeast Asia based on multisource data. <i>Global Change Biology</i> , 2020, 26, 7045-7066.	4.2	20
23	Divergent above- and below-ground responses of fungal functional groups to forest thinning. <i>Soil Biology and Biochemistry</i> , 2020, 150, 108010.	4.2	15
24	Responses of arbuscular mycorrhizal fungi to nitrogen addition: A meta-analysis. <i>Global Change Biology</i> , 2020, 26, 7229-7241.	4.2	96
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26	On the Three Major Recycling Pathways in Terrestrial Ecosystems. <i>Trends in Ecology and Evolution</i> , 2020, 35, 767-775.	4.2	48
27	Resolving the mycorrhizal status of important northern hemisphere trees. <i>Plant and Soil</i> , 2020, 454, 3-34.	1.8	48
28	Soil carbon loss by experimental warming in a tropical forest. <i>Nature</i> , 2020, 584, 234-237.	13.7	132
29	Fine root-arbuscular mycorrhizal fungi interaction in Tropical Montane Forests: Effects of cover modifications and season. <i>Forest Ecology and Management</i> , 2020, 476, 118478.	1.4	10
30	Greater topoclimatic control of above-versus below-ground communities. <i>Global Change Biology</i> , 2020, 26, 6715-6728.	4.2	11
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32	Back to Roots: The Role of Ectomycorrhizal Fungi in Boreal and Temperate Forest Restoration. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	58
33	Community composition of arctic root-associated fungi mirrors host plant phylogeny. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	16
34	Integrative ecology in the era of big data—From observation to prediction. <i>Science China Earth Sciences</i> , 2020, 63, 1429-1442.	2.3	14
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38	Tree mycorrhizal type mediates the strength of negative density dependence in temperate forests. <i>Journal of Ecology</i> , 2020, 108, 2601-2610.	1.9	25
39	The proportion of soil-borne pathogens increases with warming at the global scale. <i>Nature Climate Change</i> , 2020, 10, 550-554.	8.1	254
40	Late-spring frost risk between 1959 and 2017 decreased in North America but increased in Europe and Asia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12192-12200.	3.3	140
41	Changes in mycorrhizal status and type in plant communities along altitudinal and ecological gradients—a case study from the Northern Urals (Russia). <i>Mycorrhiza</i> , 2020, 30, 445-454.	1.3	12
42	Global mycorrhizal fungal range sizes vary within and among mycorrhizal guilds but are not correlated with dispersal traits. <i>Journal of Biogeography</i> , 2020, 47, 1994-2001.	1.4	23
43	Connections and Feedback: Aquatic, Plant, and Soil Microbiomes in Heterogeneous and Changing Environments. <i>BioScience</i> , 2020, 70, 548-562.	2.2	11
44	Towards Unraveling Macroecological Patterns in Rhizosphere Microbiomes. <i>Trends in Plant Science</i> , 2020, 25, 1017-1029.	4.3	42
45	Lithological constraints on resource economies shape the mycorrhizal composition of a Bornean rain forest. <i>New Phytologist</i> , 2020, 228, 253-268.	3.5	23
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48	Independent evolutionary changes in fine-root traits among main clades during the diversification of seed plants. <i>New Phytologist</i> , 2020, 228, 541-553.	3.5	24
49	Symbiotic niche mapping reveals functional specialization by two ectomycorrhizal fungi that expands the host plant niche. <i>Fungal Ecology</i> , 2020, 46, 100960.	0.7	16
50	Temperate Forests Dominated by Arbuscular or Ectomycorrhizal Fungi Are Characterized by Strong Shifts from Saprotrophic to Mycorrhizal Fungi with Increasing Soil Depth. <i>Microbial Ecology</i> , 2021, 82, 377-390.	1.4	28
51	Distinct Assembly Processes and Microbial Communities Constrain Soil Organic Carbon Formation. <i>One Earth</i> , 2020, 2, 349-360.	3.6	74
52	Conceptualising the Global Forest Response to Liana Proliferation. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	21
53	Mixed Plantations of Eucalyptus and Leguminous Trees. , 2020, , .		3
54	Microbial Ecology Meets Macroecology: Developing a Process-Based Understanding of the Microbial Role in Global Ecosystems. <i>Bulletin of the Ecological Society of America</i> , 2020, 101, e01645.	0.2	5

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56	Ectomycorrhizal fungal diversity predicted to substantially decline due to climate changes in North American Pinaceae forests. <i>Journal of Biogeography</i> , 2020, 47, 772-782.	1.4	42
57	Decoupled diversity patterns in bacteria and fungi across continental forest ecosystems. <i>Soil Biology and Biochemistry</i> , 2020, 144, 107763.	4.2	78
58	Climate change influences mycorrhizal fungal-plant interactions, but conclusions are limited by geographical study bias. <i>Ecology</i> , 2020, 101, e02978.	1.5	96
59	Highly invasive tree species are more dependent on mutualisms. <i>Ecology</i> , 2020, 101, e02997.	1.5	25
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63	Neuronless Knowledge Processing in Forests. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2509.	1.3	2
64	Ectomycorrhizal Fungi: Participation in Nutrient Turnover and Community Assembly Pattern in Forest Ecosystems. <i>Forests</i> , 2020, 11, 453.	0.9	27
65	Ectomycorrhizal fungi drive positive phylogenetic plant-soil feedbacks in a regionally dominant tropical plant family. <i>Ecology</i> , 2020, 101, e03083.	1.5	44
66	Soil Microbial Biogeography in a Changing World: Recent Advances and Future Perspectives. <i>MSystems</i> , 2020, 5, .	1.7	84
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70	The role of arbuscular mycorrhizal fungi in nonnative plant invasion along mountain roads. <i>New Phytologist</i> , 2021, 230, 1156-1168.	3.5	19
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74	Soil Biodiversity: State-of-the-Art and Possible Implementation in Chemical Risk Assessment. <i>Integrated Environmental Assessment and Management</i> , 2021, 17, 541-551.	1.6	10
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76	How competitive intransitivity and niche overlap affect spatial coexistence. <i>Oikos</i> , 2021, 130, 260-273.	1.2	17
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79	Comparative genomics reveals dynamic genome evolution in host specialist ectomycorrhizal fungi. <i>New Phytologist</i> , 2021, 230, 774-792.	3.5	37
80	Nitrogen cycling microbiomes are structured by plant mycorrhizal associations with consequences for nitrogen oxide fluxes in forests. <i>Global Change Biology</i> , 2021, 27, 1068-1082.	4.2	41
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84	Distribution of plant mycorrhizal traits along an elevational gradient does not fully mirror the latitudinal gradient. <i>Mycorrhiza</i> , 2021, 31, 149-159.	1.3	13
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86	How much carbon can be added to soil by sorption?. <i>Biogeochemistry</i> , 2021, 152, 127-142.	1.7	27
87	Symbiosis in a Rapidly Changing World. <i>Advances in Environmental Microbiology</i> , 2021, , 263-296.	0.1	1
88	Trait-Based Modeling of Terrestrial Ecosystems: Advances and Challenges Under Global Change. <i>Current Climate Change Reports</i> , 2021, 7, 1-13.	2.8	17
89	Decadal changes in fire frequencies shift tree communities and functional traits. <i>Nature Ecology and Evolution</i> , 2021, 5, 504-512.	3.4	41
90	Complementary Roles of Wood-Inhabiting Fungi and Bacteria Facilitate Deadwood Decomposition. <i>MSystems</i> , 2021, 6, .	1.7	71
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95	Evolution and biogeography of actinorhizal plants and legumes: A comparison. <i>Journal of Ecology</i> , 2021, 109, 1098-1121.	1.9	39
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103	Editorial: Forest Rhizosphere Interactions: Cascading Consequences for Ecosystem-Level Carbon and Nutrient Cycling. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	1.0	2
104	Assessing the dual-mycorrhizal status of a widespread tree species as a model for studies on stand biogeochemistry. <i>Mycorrhiza</i> , 2021, 31, 313-324.	1.3	13
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113	Biogeography of global drylands. <i>New Phytologist</i> , 2021, 231, 540-558.	3.5	145
114	Spheres of Influence: Host Tree Proximity and Soil Chemistry Shape rRNA, but Not DNA, Communities of Symbiotic and Free-Living Soil Fungi in a Mixed Hardwood-Conifer Forest. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	3
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118	Thermodynamics shapes the biogeography of propionate-oxidizing syntrophs in paddy field soils. <i>Environmental Microbiology Reports</i> , 2021, 13, 684-695.	1.0	3
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124	Ectomycorrhizas and tipping points in forest ecosystems. <i>New Phytologist</i> , 2021, 231, 1700-1707.	3.5	30
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133	Ecological impacts of fungal wood decay types: A review of current knowledge and future research directions. <i>Ecological Research</i> , 2021, 36, 910-931.	0.7	31
134	Novel Microdialysis Technique Reveals a Dramatic Shift in Metabolite Secretion during the Early Stages of the Interaction between the Ectomycorrhizal Fungus <i>Pisolithus microcarpus</i> and Its Host <i>Eucalyptus grandis</i> . <i>Microorganisms</i> , 2021, 9, 1817.	1.6	6
135	Growth responses of ectomycorrhizal and arbuscular mycorrhizal seedlings to low soil nitrogen availability in a tropical montane forest. <i>Functional Ecology</i> , 2022, 36, 107-119.	1.7	7
136	Resistance and resilience of soil prokaryotic communities in response to prolonged drought in a tropical forest. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	2
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145	Spatiotemporal Monitoring of Soil CO ₂ Efflux in a Subtropical Forest during the Dry Season Based on Field Observations and Remote Sensing Imagery. <i>Remote Sensing</i> , 2021, 13, 3481.	1.8	4
146	Keep your friends close: Host compartmentalisation of microbial communities facilitates decoupling from effects of habitat fragmentation. <i>Ecology Letters</i> , 2021, 24, 2674-2686.	3.0	7
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155	Conservation of Edible Ectomycorrhizal Mushrooms: Understanding of the ECM Fungi Mediated Carbon and Nitrogen Movement within Forest Ecosystems. , 0, , .		3
156	Bioindicators of Soil Quality in Mixed Plantations of Eucalyptus and Leguminous Trees. , 2020, , 173-192.		3
158	Climate Change, Biotechnology, and Mexican Neotropical Edible Ectomycorrhizal Mushrooms. , 2020, , 61-99.		6
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164	SAR â€“ OPTICAL REMOTE SENSING BASED FOREST COVER AND GREENNESS ESTI-MATION OVER INDIA. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, IV-5/W2, 49-56.	0.0	12
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