Tree planting in organic soils does not result in net carb timescales

Global Change Biology

26, 5178-5188

DOI: 10.1111/gcb.15229

Citation Report

#	Article	IF	Citations
1	Modeling Ambitions Outpace Observations of Forest Carbon Allocation. Trends in Plant Science, 2021, 26, 210-219.	4.3	29
2	Ten golden rules for reforestation to optimize carbon sequestration, biodiversity recovery and livelihood benefits. Global Change Biology, 2021, 27, 1328-1348.	4.2	306
3	Carbon sequestration: counterintuitive feedback of plant growth. Quantitative Plant Biology, 2021, 2, .	0.8	0
4	Getting the message right on natureâ€based solutions to climate change. Global Change Biology, 2021, 27, 1518-1546.	4.2	363
5	Shrub expansion in the Arctic may induce largeâ€scale carbon losses due to changes in plantâ€soil interactions. Plant and Soil, 2021, 463, 643-651.	1.8	28
6	Alternative afforestation options on sandy heathland result in minimal long-term changes in mineral soil layers. Forest Ecology and Management, 2021, 483, 118906.	1.4	6
7	The carbon sequestration potential of Scottish native woodland. Environmental Research Communications, 2021, 3, 041003.	0.9	4
8	Sustainability policy and practice: Is Nature an appropriate mentor?. Environment, Development and Sustainability, 0, , 1.	2.7	3
9	Soil carbon balance of afforested peatlands in the maritime temperate climatic zone. Global Change Biology, 2021, 27, 3681-3698.	4.2	15
10	From the ground up: prioritizing soil at the forefront of ecological restoration. Restoration Ecology, 2021, 29, e13453.	1.4	9
11	The impacts of agroforestry interventions on agricultural productivity, ecosystem services, and human wellâ€being in lowâ€and middleâ€income countries: A systematic review. Campbell Systematic Reviews, 2021, 17, e1167.	1.2	34
12	Soil carbon sequestration by agroforestry systems in China: A meta-analysis. Agriculture, Ecosystems and Environment, 2021, 315, 107437.	2.5	42
13	Does restoring native forest restore ecosystem functioning? Evidence from a largeâ€scale reforestation project in the Scottish Highlands. Restoration Ecology, 0, , e13530.	1.4	2
14	The potential contribution of terrestrial natureâ€based solutions to a national â€˜net zeroâ€™ climate target. Journal of Applied Ecology, 2021, 58, 2349-2360.	1.9	30
15	Coastal heathland vegetation is surprisingly resistant to experimental drought across successional stages and latitude. Oikos, 2021, 130, 2015-2027.	1.2	5
16	Climate change and soil organic matter in Scotland: time to turn over a new leaf?. Soil Research, 2021, 59, 529.	0.6	1
17	Living, dead, and absent treesâ€”How do moth outbreaks shape smallâ€scale patterns of soil organic matter stocks and dynamics at the Subarctic mountain birch treeline?. Global Change Biology, 2022, 28, 441-462.	4.2	9
18	Urgent need for updating the slogan of global climate actions from â€œtree plantingâ€•to â€œrestore native vegetationâ€• Restoration Ecology, 2022, 30, e13594.	1.4	27

#	Article	IF	Citations
19	Strong Interactive Effects of Warming and Insect Herbivory on Soil Carbon and Nitrogen Dynamics at Subarctic Tree Line. Frontiers in Forests and Global Change, 2021, 4, .	1.0	1
20	Contrasting Responses of Soil Inorganic Carbon to Afforestation in Acidic Versus Alkaline Soils. Global Biogeochemical Cycles, 2022, 36, .	1.9	8
21	Soil microbial stoichiometry and community structure responses to long-term natural forest conversion to plantations in a subtropical region. Environmental Science and Pollution Research, 2022, , 1.	2.7	4
22	Optimizing opportunities for oak woodland expansion into upland pastures. Ecological Solutions and Evidence, 2022, 3, .	0.8	2
23	Net soil carbon balance in afforested peatlands and separating autotrophic and heterotrophic soil CO₂ effluxes. Biogeosciences, 2022, 19, 313-327.	1.3	8
24	â€˜Can't see the forest for the treesâ€™: The importance of fungi in the context of UK tree planting. Food and Energy Security, 0, , .	2.0	5
27	Variation of Soil Organic Carbon Density with Plantation Age and Initial Vegetation Types in the Liupan Mountains Areas of Northwest China. Forests, 2021, 12, 1811.	0.9	2
28	Substantial carbon drawdown potential from enhanced rock weathering in the United Kingdom. Nature Geoscience, 2022, 15, 382-389.	5.4	48
29	Ericaceous dwarf shrubs contribute a significant but droughtâ€sensitive fraction of soil respiration in a boreal pine forest. Journal of Ecology, 2022, 110, 1928-1941.	1.9	6
30	CORSIAâ€”A Feasible Second Best Solution?. Applied Sciences (Switzerland), 2022, 12, 7054.	1.3	7
31	Ericoid shrubs shape fungal communities and suppress organic matter decomposition in boreal forests. New Phytologist, 2022, 236, 684-697.	3.5	23
32	Ecoenzymatic stoichiometry reveals widespread soil phosphorus limitation to microbial metabolism across Chinese forests. Communications Earth & Environment, 2022, 3, .	2.6	31
33	Estimating growth, loss and potential carbon sequestration of farmed kelp: a case study ofSaccharina latissimaat Strangford Lough, Northern Ireland. Applied Phycology, 2022, 3, 324-339.	0.6	6
34	How can economics contribute to environmental and social sustainability? The significance of systems theory and the embedded economy. Frontiers in Sustainability, 0, 3, .	1.3	2
35	Planetary bioengineering on Earth to return and maintain the atmospheric carbon dioxide to pre-industrial levels: Assessing potential mechanisms. Frontiers in Astronomy and Space Sciences, 0, 9, .	1.1	0
36	Ground truth: Finding a â€œplaceâ€•for climate change. , 2022, 1, 137-162.		3
37	Tree Plantation: A Silver Bullet to Achieve Carbon Neutrality?. , 2022, , 205-227.		0
38	Microbial properties determine dynamics of topsoil organic carbon stocks and fractions along an age-sequence of Mongolian pine plantations. Plant and Soil, 2023, 483, 441-457.	1.8	2

#	Article	IF	Citations
39	Sustainable pathways towards climate and biodiversity goals in the UK: the importance of managing land-use synergies and trade-offs. Sustainability Science, 2023, 18, 521-538.	2.5	8
40	Afforestation of Taxodium Hybrid Zhongshanshan Influences Soil Bacterial Community Structure by Altering Soil Properties in the Yangtze River Basin, China. Plants, 2022, 11, 3456.	1.6	2
41	A Community Housing Associationâ€™s Strategy for the Benchmarking, Reduction and Sequestration of Carbon Towards a Resilient and Globally Responsible Wales (UK). Smart Innovation, Systems and Technologies, 2023, , 240-248.	0.5	0
43	How to balance land demand conflicts to guarantee sustainable land development. IScience, 2023, 26, 106641.	1.9	5
44	Pathways to achieving nature-positive and carbonâ€“neutral land use and food systems in Wales. Regional Environmental Change, 2023, 23, .	1.4	1
45	Evaluating soil carbon stability by combining Î´13C and soil aggregates after afforestation on agricultural land and thinning management. Plant and Soil, 2023, 487, 567-586.	1.8	1
47	Soil carbon sequestration benefits of active versus natural restoration vary with initial carbon content and soil layer. Communications Earth & Environment, 2023, 4, .	2.6	4
48	Bases para el manejo adaptativo de la leÃ±osa invasora Acacia melanoxylon (Fabaceae) en la Reserva Natural Privada Paititi, sierras del Sistema de Tandilia, Argentina. Boletin De La Sociedad Argentina De Botanica, 2023, 58, .	0.1	1
49	Simulating SOC Dynamics under Different Temperature Regimes and FYM Addition in Bamboo Species Using RothC-Model. Forests, 2023, 14, 722.	0.9	0