

Unexpectedly large impact of forest management and g

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Grassland futures in Great Britain – Productivity assessment and scenarios for land use change opportunities. <i>Science of the Total Environment</i> , 2018, 634, 1108-1118.	8.0	36
2	Plant Regrowth as a Driver of Recent Enhancement of Terrestrial CO ₂ Uptake. <i>Geophysical Research Letters</i> , 2018, 45, 4820-4830.	4.0	32
3	Are wood pellets a green fuel?. <i>Science</i> , 2018, 359, 1328-1329.	12.6	52
4	Natural climate solutions for the United States. <i>Science Advances</i> , 2018, 4, eaat1869.	10.3	333
5	Ozone and climate governance: An implausible path dependence. <i>Comptes Rendus - Geoscience</i> , 2018, 350, 435-441.	1.2	9
6	Effect of Land Use and Land Cover Change in Context of Growth Enhancements in the United States Since 1700: Net Source or Sink?. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 3439-3457.	3.0	8
7	Legacies of past land use have a stronger effect on forest carbon exchange than future climate change in a temperate forest landscape. <i>Biogeosciences</i> , 2018, 15, 5699-5713.	3.3	52
8	The use of fixed-wing UAV photogrammetry with LiDAR DTM to estimate merchantable volume and carbon stock in living biomass over a mixed conifer-broadleaf forest. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 73, 767-777.	2.8	34
9	The biomass distribution on Earth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6506-6511.	7.1	2,102
10	Soil Carbon Stock. , 2018, , 39-136.		7
11	Carbon Sequestration in Grassland Soils. , 2018, , 175-209.		23
12	Carbon Sequestration in Cropland Soils. , 2018, , 137-173.		0
13	Three flaws in defining a formal –Anthropocene–™. <i>Progress in Physical Geography</i> , 2018, 42, 451-461.	3.2	54
14	Agricultural Land Use and the Global Carbon Cycle. , 2018, , 1-37.		4
15	The U.S. food–energy–water system: A blueprint to fill the mesoscale gap for science and decision-making. <i>Ambio</i> , 2019, 48, 251-263.	5.5	16
16	Important role of forest disturbances in the global biomass turnover and carbon sinks. <i>Nature Geoscience</i> , 2019, 12, 730-735.	12.9	105
17	Effects of forest management on biomass stocks in Romanian beech forests. <i>Forest Ecosystems</i> , 2019, 6, .	3.1	21
18	Renewable absorbents for CO ₂ capture: from biomass to nature. , 2019, 9, 637-651.		23

#	ARTICLE	IF	CITATIONS
19	Aspects of Forest Biomass in the Earth System: Its Role and Major Unknowns. Surveys in Geophysics, 2019, 40, 693-707.	4.6	49
20	Hunter-gatherer land management in the human break from ecological sustainability. Infrastructure Asset Management, 2019, 6, 223-242.	1.6	9
21	Natural climate solutions versus bioenergy: Can carbon benefits of natural succession compete with bioenergy from short rotation coppice?. GCB Bioenergy, 2019, 11, 1283-1297.	5.6	42
22	The global tree restoration potential. Science, 2019, 365, 76-79.	12.6	1,181
23	Meeting GHG reduction targets requires accounting for all forest sector emissions. Environmental Research Letters, 2019, 14, 095005.	5.2	53
24	Peatlands as prolific carbon sinks. Nature Geoscience, 2019, 12, 880-881.	12.9	19
25	Forest restoration: Transformative treesâ€”Response. Science, 2019, 366, 317-317.	12.6	2
26	Optimal Combination of Predictors and Algorithms for Forest Above-Ground Biomass Mapping from Sentinel and SRTM Data. Remote Sensing, 2019, 11, 414.	4.0	68
27	Effects of landcover changes on net primary production (NPP)-based exergy in south-central of Chile. Applied Geography, 2019, 113, 102101.	3.7	17
28	The biophysics, ecology, and biogeochemistry of functionally diverse, vertically and horizontally heterogeneous ecosystems: the Ecosystem Demography model, version 2.2 â€” Part 2: Model evaluation for tropical South America. Geoscientific Model Development, 2019, 12, 4347-4374.	3.6	29
29	Topography Affects Tree Species Distribution and Biomass Variation in a Warm Temperate, Secondary Forest. Forests, 2019, 10, 895.	2.1	8
30	Reply to: Soils need to be considered when assessing the impacts of land-use change on carbon sequestration. Nature Ecology and Evolution, 2019, 3, 1643-1644.	7.8	0
31	Spatialâ€”Spectral Feature Fusion Coupled with Multi-Scale Segmentation Voting Decision for Detecting Land Cover Change with VHR Remote Sensing Images. Remote Sensing, 2019, 11, 1903.	4.0	14
32	Plant Residues Decomposition and Formation of Active Organic Matter in the Soil of the Incubation Experiments. Eurasian Soil Science, 2019, 52, 1183-1194.	1.6	30
33	Intact Forests in the United States: Proforestation Mitigates Climate Change and Serves the Greatest Good. Frontiers in Forests and Global Change, 2019, 2, .	2.3	95
34	Can plants help us avoid seeding a humanâ€”made climate catastrophe?. Plants People Planet, 2019, 1, 310-314.	3.3	1
35	Contrasting policy shifts influence the pattern of vegetation production and C sequestration over pasture systems: A regional-scale comparison in Temperate Eurasian Steppe. Agricultural Systems, 2019, 176, 102679.	6.1	6
36	Beyond lotus: Plasma nanostructuring enables efficient energy and water conversion and use. Nano Energy, 2019, 66, 104125.	16.0	34

#	ARTICLE	IF	CITATIONS
37	A new perspective on global renewable energy systems: why trade in energy carriers matters. <i>Energy and Environmental Science</i> , 2019, 12, 2022-2029.	30.8	81
38	Guidance for assessing interregional ecosystem service flows. <i>Ecological Indicators</i> , 2019, 105, 92-106.	6.3	57
39	What drives the future supply of regulating ecosystem services in a mountain forest landscape?. <i>Forest Ecology and Management</i> , 2019, 445, 37-47.	3.2	70
40	CO2 fluxes before and after partial deforestation of a Central European spruce forest. <i>Agricultural and Forest Meteorology</i> , 2019, 274, 61-74.	4.8	27
41	Mechanism for Diffusion through Secondary Cell Walls in Lignocellulosic Biomass. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4333-4339.	2.6	25
42	A Global Deal For Nature: Guiding principles, milestones, and targets. <i>Science Advances</i> , 2019, 5, eaaw2869.	10.3	477
43	Carbon dynamics, net primary productivity and human-appropriated net primary productivity across a forest-cocoa farm landscape in West Africa. <i>Global Change Biology</i> , 2019, 25, 2661-2677.	9.5	30
44	The biodiversity intactness index may underestimate losses. <i>Nature Ecology and Evolution</i> , 2019, 3, 862-863.	7.8	21
45	Long-Term Impacts of Selective Logging on Amazon Forest Dynamics from Multi-Temporal Airborne LiDAR. <i>Remote Sensing</i> , 2019, 11, 709.	4.0	31
46	Look back lest you fail to mark the path ahead. <i>Plants People Planet</i> , 2019, 1, 71-76.	3.3	1
47	Comparing the accuracy of MODIS data products for vegetation detection between two environmentally dissimilar ecoregions: the Chocó-Darien of South America and the Great Basin of North America. <i>GIScience and Remote Sensing</i> , 2019, 56, 1046-1064.	5.9	5
48	Zoo elephant research: contributions to conservation of captive and free-ranging species. <i>International Zoo Yearbook</i> , 2019, 53, 89-115.	0.9	14
49	Implementing the Paris Climate Agreement: Risks and Opportunities for Sustainable Land Use. <i>International Yearbook of Soil Law and Policy</i> , 2019, , 249-270.	0.3	2
50	Carbon emissions and potential emissions reductions from low-intensity selective logging in southwestern Amazonia. <i>Forest Ecology and Management</i> , 2019, 439, 18-27.	3.2	28
51	A scalable model of vegetation transitions using deep neural networks. <i>Methods in Ecology and Evolution</i> , 2019, 10, 879-890.	5.2	17
52	Increasing impacts of land use on biodiversity and carbon sequestration driven by population and economic growth. <i>Nature Ecology and Evolution</i> , 2019, 3, 628-637.	7.8	265
53	International Yearbook of Soil Law and Policy 2018. <i>International Yearbook of Soil Law and Policy</i> , 2019, , .	0.3	5
54	Reply to Anthropocene Working Group responses. <i>Progress in Physical Geography</i> , 2019, 43, 345-351.	3.2	5

#	ARTICLE	IF	CITATIONS
56	Social and biophysical determinants of future forest conditions in New England: Effects of a modern land-use regime. <i>Global Environmental Change</i> , 2019, 55, 115-129.	7.8	35
57	Increased Global Land Carbon Sink Due to Aerosol-Induced Cooling. <i>Global Biogeochemical Cycles</i> , 2019, 33, 439-457.	4.9	27
58	Digital Aerial Photogrammetry for Uneven-Aged Forest Management: Assessing the Potential to Reconstruct Canopy Structure and Estimate Living Biomass. <i>Remote Sensing</i> , 2019, 11, 338.	4.0	33
59	The global mass and average rate of rubisco. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4738-4743.	7.1	154
60	Bridging theory and implementation – Testing an abstract classification system for practical mapping by field survey and 3D aerial photographic interpretation. <i>Norsk Geografisk Tidsskrift</i> , 2019, 73, 301-317.	0.7	3
61	Climates of Warm Earth-like Planets. III. Fractional Habitability from a Water Cycle Perspective. <i>Astrophysical Journal</i> , 2019, 887, 197.	4.5	5
62	Disequilibrium of terrestrial ecosystem CO ₂ budget caused by disturbance-induced emissions and non-CO ₂ carbon export flows: a global model assessment. <i>Earth System Dynamics</i> , 2019, 10, 685-709.	7.1	22
63	Pervasive human-driven decline of life on Earth points to the need for transformative change. <i>Science</i> , 2019, 366, .	12.6	1,213
64	A comprehensive data-based assessment of forest ecosystem carbon stocks in the US 1907–2012. <i>Environmental Research Letters</i> , 2019, 14, 125015.	5.2	18
65	Pyrogenic carbon capture and storage. <i>GCB Bioenergy</i> , 2019, 11, 573-591.	5.6	95
66	Agricultural non-CO ₂ emission reduction potential in the context of the 1.5°C target. <i>Nature Climate Change</i> , 2019, 9, 66-72.	18.8	139
67	Contribution of native forests to climate change mitigation – A common approach to carbon accounting that aligns results from environmental-economic accounting with rules for emissions reduction. <i>Environmental Science and Policy</i> , 2019, 93, 189-199.	4.9	60
68	The sensitivity of the forest carbon budget shifts across processes along with stand development and climate change. <i>Ecological Applications</i> , 2019, 29, e01837.	3.8	39
69	Measuring Progress towards a Circular Economy: A Monitoring Framework for Economy-wide Material Loop Closing in the EU28. <i>Journal of Industrial Ecology</i> , 2019, 23, 62-76.	5.5	178
70	Need for a global map of forest naturalness for a sustainable future. <i>Conservation Biology</i> , 2020, 34, 368-372.	4.7	32
71	Negative Emissions From Stopping Deforestation and Forest Degradation. , 2020, , 226-236.		0
72	Which practices co-deliver food security, climate change mitigation and adaptation, and combat land degradation and desertification?. <i>Global Change Biology</i> , 2020, 26, 1532-1575.	9.5	164
73	Forest management in southern China generates short term extensive carbon sequestration. <i>Nature Communications</i> , 2020, 11, 129.	12.8	259

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74	Why Should We Care So Much About Old World Tropical Rainforests?. , 2020, , 66-78.		0
75	Developing a Vacuum-Assisted Gas-Permeable Membrane Process for Rapid Ammonia Recovery and CO ₂ Capture from Biogas Slurry. ACS Sustainable Chemistry and Engineering, 2020, 8, 154-162.	6.7	13
76	Biomass increases attributed to both faster tree growth and altered allometric relationships under long-term carbon dioxide enrichment at a temperate forest. Global Change Biology, 2020, 26, 2519-2533.	9.5	9
77	Aboveground Biomass Distribution in a Multi-Use Savannah Landscape in Southeastern Kenya: Impact of Land Use and Fences. Land, 2020, 9, 381.	2.9	17
78	Global priority areas for ecosystem restoration. Nature, 2020, 586, 724-729.	27.8	489
79	Extraordinary human energy consumption and resultant geological impacts beginning around 1950 CE initiated the proposed Anthropocene Epoch. Communications Earth & Environment, 2020, 1, .	6.8	101
80	A model-data fusion approach to analyse carbon dynamics in managed grasslands. Agricultural Systems, 2020, 184, 102907.	6.1	7
81	Biodiversity Conservation Targets: How to Allocate Resources. One Earth, 2020, 2, 415-416.	6.8	5
82	Mitigation Impact of Different Harvest Scenarios of Finnish Forests That Account for Albedo, Aerosols, and Trade-Offs of Carbon Sequestration and Avoided Emissions. Frontiers in Forests and Global Change, 2020, 3, .	2.3	32
83	Toward sustainable and just forest recovery: research gaps and potentials for knowledge integration. One Earth, 2020, 3, 680-690.	6.8	11
84	The Global Carbon and Oxygen Cycles. , 2020, , 453-481.		1
85	Global Carbon Cycle and Climate Feedbacks in the NASA GISS ModelE2.1. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002030.	3.8	15
86	Anthropogenic climate change has driven over 5 million km ² of drylands towards desertification. Nature Communications, 2020, 11, 3853.	12.8	215
87	Herbivore Impacts on Carbon Cycling in Boreal Forests. Trends in Ecology and Evolution, 2020, 35, 1001-1010.	8.7	32
88	The DOE E3SM v1.1 Biogeochemistry Configuration: Description and Simulated Ecosystem Climate Responses to Historical Changes in Forcing. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001766.	3.8	65
89	Mapping carbon accumulation potential from global natural forest regrowth. Nature, 2020, 585, 545-550.	27.8	278
90	Spatial validation reveals poor predictive performance of large-scale ecological mapping models. Nature Communications, 2020, 11, 4540.	12.8	232
91	The erosion of biodiversity and biomass in the Atlantic Forest biodiversity hotspot. Nature Communications, 2020, 11, 6347.	12.8	81

#	ARTICLE	IF	CITATIONS
92	Phenology Modelling and Forest Disturbance Mapping with Sentinel-2 Time Series in Austria. Remote Sensing, 2020, 12, 4191.	4.0	21
93	Life cycle climate change impacts of producing battery metals from land ores versus deep-sea polymetallic nodules. Journal of Cleaner Production, 2020, 275, 123822.	9.3	37
94	Rethinking zero deforestation beyond 2020 to more equitably and effectively conserve tropical forests. One Earth, 2020, 3, 714-726.	6.8	21
95	Anthropogenic modification of forests means only 40% of remaining forests have high ecosystem integrity. Nature Communications, 2020, 11, 5978.	12.8	188
96	Global human-made mass exceeds all living biomass. Nature, 2020, 588, 442-444.	27.8	344
97	Global trends in nature's contributions to people. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32799-32805.	7.1	103
98	Estimating Structure and Biomass of a Secondary Atlantic Forest in Brazil Using Fourier Transforms of Vertical Profiles Derived from UAV Photogrammetry Point Clouds. Remote Sensing, 2020, 12, 3560.	4.0	9
99	Food systems in a zero-deforestation world: Dietary change is more important than intensification for climate targets in 2050. Science of the Total Environment, 2020, 735, 139353.	8.0	65
100	Comparison of forest above-ground biomass from dynamic global vegetation models with spatially explicit remotely sensed observation-based estimates. Global Change Biology, 2020, 26, 3997-4012.	9.5	25
101	Forest harvesting and the carbon debt in boreal east-central Canada. Climatic Change, 2020, 161, 433-449.	3.6	7
102	Plant biodiversity in the face of global change. Current Biology, 2020, 30, R390-R391.	3.9	7
103	Studies on reproductive strategies of <i>Vitex negundo</i> L. var. <i>heterophylla</i> (Franch.) Rehder (Lamiaceae) based on morphological characteristics and SSR markers. Ecology and Evolution, 2020, 10, 5270-5280.	1.9	4
104	The Climate Emergency, Forests, and Transformative Change. BioScience, 2020, 70, 446-447.	4.9	11
105	Long-term thermal sensitivity of Earth's tropical forests. Science, 2020, 368, 869-874.	12.6	198
106	Recognizing the importance of unmanaged forests to mitigate climate change. GCB Bioenergy, 2020, 12, 1034-1035.	5.6	11
107	The early anthropogenic hypothesis: A review. Quaternary Science Reviews, 2020, 240, 106386.	3.0	40
108	Pan-European sustainable forest management indicators for assessing Climate-Smart Forestry in Europe. Canadian Journal of Forest Research, 2021, 51, 1741-1750.	1.7	28
109	Global human 'predation' on plant growth and biomass. Global Ecology and Biogeography, 2020, 29, 1052-1064.	5.8	7

#	ARTICLE	IF	CITATIONS
110	Understanding the importance of primary tropical forest protection as a mitigation strategy. Mitigation and Adaptation Strategies for Global Change, 2020, 25, 763-787.	2.1	109
111	Impacts of Degradation on Water, Energy, and Carbon Cycling of the Amazon Tropical Forests. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG005677.	3.0	44
112	Envisioning a global forest transition: Status, role, and implications. Land Use Policy, 2020, 99, 104808.	5.6	9
113	Assessing transformation scenarios from pure Norway spruce to mixed uneven-aged forests in mountain areas. European Journal of Forest Research, 2020, 139, 567-584.	2.5	34
114	Effect of northern boreal forest fires on PAH fluctuations across the arctic. Environmental Pollution, 2020, 261, 114186.	7.5	30
115	Focus on the role of forests and soils in meeting climate change mitigation goals: summary. Environmental Research Letters, 2020, 15, 045009.	5.2	57
116	Greenhouse gas implications of mobilizing agricultural biomass for energy: a reassessment of global potentials in 2050 under different food-system pathways. Environmental Research Letters, 2020, 15, 034066.	5.2	25
117	Modeling and empirical validation of long-term carbon sequestration in forests (France, 1850–2015). Global Change Biology, 2020, 26, 2421-2434.	9.5	25
118	Cellular agriculture – industrial biotechnology for food and materials. Current Opinion in Biotechnology, 2020, 61, 128-134.	6.6	108
119	Understanding the value and limits of nature-based solutions to climate change and other global challenges. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190120.	4.0	686
120	Biomass energy in China's terrestrial ecosystems: Insights into the nation's sustainable energy supply. Renewable and Sustainable Energy Reviews, 2020, 127, 109857.	16.4	51
121	Comparative study on respiratory function among rural women using biomass fuel and non-biomass fuel: evidence of a cross-sectional survey in Bangladesh. Environmental Science and Pollution Research, 2020, 27, 24039-24047.	5.3	5
122	Effects of plateau pikas' foraging and burrowing activities on vegetation biomass and soil organic carbon of alpine grasslands. Plant and Soil, 2021, 458, 201-216.	3.7	21
123	Carbon use efficiency of terrestrial ecosystems in desert/grassland biome transition zone: A case in Ningxia province, northwest China. Ecological Indicators, 2021, 120, 106971.	6.3	22
124	Wooded hay meadows as viable production systems in sustainable small-scale farming. Agroforestry Systems, 2021, 95, 165-176.	2.0	0
125	Global macroecology of nitrogen-fixing plants. Global Ecology and Biogeography, 2021, 30, 514-526.	5.8	16
126	The carbon opportunity cost of animal-sourced food production on land. Nature Sustainability, 2021, 4, 21-24.	23.7	100
127	Biomass Functions and Carbon Content Variabilities of Natural and Planted Pinus koraiensis in Northeast China. Plants, 2021, 10, 201.	3.5	1

#	ARTICLE	IF	CITATIONS
128	New Metrics and the Combinations for Estimating Forest Biomass From GLAS Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 7830-7839.	4.9	2
129	Land use and land cover change within the Koshi River Basin of the central Himalayas since 1990. Journal of Mountain Science, 2021, 18, 159-177.	2.0	19
130	What Is a Forest ?. Managing Forest Ecosystems, 2021, , 1-22.	0.9	0
131	Populations-und VegetationsÄkologie. , 2021, , 1013-1054.		0
132	Soil carbon flux research in the Asian region: Review and future perspectives. J Agricultural Meteorology, 2021, 77, 24-51.	1.5	8
133	Global Importance of Imperiled Old-Growth Forests With an Emphasis on the Southern Blue Ridge Mountains. , 2021, , .		0
134	Effects of weeding and fertilization on soil biology and biochemical processes and tree growth in a mixed stand of Dalbergia odorifera and Santalum album. Journal of Forestry Research, 2021, 32, 2633-2644.	3.6	7
136	Unity in diversity? When advocacy coalitions and policy beliefs grow trees in South Africa. Land Use Policy, 2021, 102, 105283.	5.6	8
137	Climate Variability Rather Than Livestock Grazing Dominates Changes in Alpine Grassland Productivity Across Tibet. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	28
138	Socio-ecological drivers of long-term ecosystem carbon stock trend: An assessment with the LUCCA model of the French case. Anthropocene, 2021, 33, 100275.	3.3	8
139	Our future in the Anthropocene biosphere. Ambio, 2021, 50, 834-869.	5.5	275
140	Critical adjustment of land mitigation pathways for assessing countriesâ€™ climate progress. Nature Climate Change, 2021, 11, 425-434.	18.8	61
141	Effects of anthropogenic revegetation on the water and carbon cycles of a desert steppe ecosystem. Agricultural and Forest Meteorology, 2021, 300, 108339.	4.8	29
142	Quantifying and attributing land use-induced carbon emissions to biomass consumption: A critical assessment of existing approaches. Journal of Environmental Management, 2021, 286, 112228.	7.8	20
143	Modelled land use and land cover change emissions â€“ a spatio-temporal comparison of different approaches. Earth System Dynamics, 2021, 12, 635-670.	7.1	29
144	Consistent trade-offs in ecosystem services between land covers with different production intensities. Biological Reviews, 2021, 96, 1989-2008.	10.4	6
145	Evaluating nature-based solutions for climate mitigation and conservation requires comprehensive carbon accounting. Science of the Total Environment, 2021, 769, 144341.	8.0	88
146	Older Eastern White Pine Trees and Stands Accumulate Carbon for Many Decades and Maximize Cumulative Carbon. Frontiers in Forests and Global Change, 2021, 4, .	2.3	5

#	ARTICLE	IF	CITATIONS
147	Advances in Land Surface Modelling. Current Climate Change Reports, 2021, 7, 45-71.	8.6	43
148	Constraints and enablers for increasing carbon storage in the terrestrial biosphere. Nature Reviews Earth & Environment, 2021, 2, 436-446.	29.7	42
149	Biotic and Abiotic Determinants of Soil Organic Matter Stock and Fine Root Biomass in Mountain Area Temperate Forests—Examples from Cambisols under European Beech, Norway Spruce, and Silver Fir (Carpathians, Central Europe). Forests, 2021, 12, 823.	2.1	5
150	The global distribution and environmental drivers of aboveground versus belowground plant biomass. Nature Ecology and Evolution, 2021, 5, 1110-1122.	7.8	88
151	Comparison of uncertainties in land-use change fluxes from bookkeeping model parameterisation. Earth System Dynamics, 2021, 12, 745-762.	7.1	22
152	Quantifying the contributions of human activities and climate change to vegetation net primary productivity dynamics in China from 2001 to 2016. Science of the Total Environment, 2021, 773, 145648.	8.0	201
153	Changes in global terrestrial live biomass over the 21st century. Science Advances, 2021, 7, eabe9829.	10.3	136
154	Tree diversity and carbon stocks in the Itombwe Mountains of eastern DR Congo. Biotropica, 2021, 53, 1594-1605.	1.6	1
155	High aboveground carbon stock of African tropical montane forests. Nature, 2021, 596, 536-542.	27.8	65
156	Characterizing historical transformation trajectories of the forest landscape in Rome's metropolitan area (Italy) for effective planning of sustainability goals. Land Degradation and Development, 2021, 32, 4708-4726.	3.9	19
157	Land-use change and biodiversity: Challenges for assembling evidence on the greatest threat to nature. Global Change Biology, 2021, 27, 5414-5429.	9.5	55
158	The global forest above-ground biomass pool for 2010 estimated from high-resolution satellite observations. Earth System Science Data, 2021, 13, 3927-3950.	9.9	123
159	Human Appropriation of Net Primary Production: From a Planet to a Pixel. Sustainability, 2021, 13, 8606.	3.2	3
160	The impacts of a logging road on the soil microbial communities, and carbon and nitrogen components in a Northern Zone Costa Rican forest. Applied Soil Ecology, 2021, 164, 103937.	4.3	4
161	Restoring Degraded Lands. Annual Review of Environment and Resources, 2021, 46, 569-599.	13.4	26
162	Inferring management and predicting sub-field scale C dynamics in UK grasslands using biogeochemical modelling and satellite-derived leaf area data. Agricultural and Forest Meteorology, 2021, 307, 108466.	4.8	8
163	Nature, COVID-19, disease prevention, and climate change. Biological Conservation, 2021, 261, 109213.	4.1	5
164	Saturation of Global Terrestrial Carbon Sink Under a High Warming Scenario. Global Biogeochemical Cycles, 2021, 35, e2020GB006800.	4.9	11

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165	Prioritizing forestation based on biogeochemical and local biogeophysical impacts. <i>Nature Climate Change</i> , 2021, 11, 867-871.	18.8	43
166	Effects of animal grazing on vegetation biomass and soil moisture on a typical steppe in Inner Mongolia, China. <i>Ecohydrology</i> , 2022, 15, e2350.	2.4	16
167	Winners and losers in dryland reforestation: Species survival, growth, and recruitment along a 33-year planting chronosequence. <i>Restoration Ecology</i> , 0, , e13559.	2.9	2
168	A multimodel random forest ensemble method for an improved assessment of Chinese terrestrial vegetation carbon density. <i>Methods in Ecology and Evolution</i> , 2023, 14, 117-132.	5.2	6
169	The contribution of forest and grassland change was greater than that of cropland in human-induced vegetation greening in China, especially in regions with high climate variability. <i>Science of the Total Environment</i> , 2021, 792, 148408.	8.0	18
170	The use of machine learning methods to estimate aboveground biomass of grasslands: A review. <i>Ecological Indicators</i> , 2021, 130, 108081.	6.3	54
171	Current and potential carbon stock in the forest communities of the BiaÅowieÅ Biosphere Reserve. <i>Forest Ecology and Management</i> , 2021, 502, 119702.	3.2	9
172	Transformative governance for linking forest and landscape restoration to human well-being in Latin America. <i>Ecosystems and People</i> , 2021, 17, 523-538.	3.2	5
173	Underestimating the Challenges of Avoiding a Ghastly Future. <i>Frontiers in Conservation Science</i> , 2021, 1, .	1.9	277
175	Organic agriculture: impact on the environment and food quality. , 2021, , 31-58.		1
176	Forest Management for Climate Protection. <i>Sustainable Development Goals Series</i> , 2021, , 21-32.	0.4	0
177	Recent deforestation drove the spike in Amazonian fires. <i>Environmental Research Letters</i> , 2020, 15, 121003.	5.2	46
179	Rebels against the Anthropocene? Ideology, Spirituality, Popular Culture, and Human Domination of the World within the Disney Empire. <i>Journal for the Study of Religion, Nature and Culture</i> , 2020, 13, 414-454.	0.2	6
180	Historical CO ₂ emissions from land use and land cover change and their uncertainty. <i>Biogeosciences</i> , 2020, 17, 4075-4101.	3.3	112
181	Global climate response to idealized deforestation in CMIP6 models. <i>Biogeosciences</i> , 2020, 17, 5615-5638.	3.3	55
183	Global Carbon Budget 2020. <i>Earth System Science Data</i> , 2020, 12, 3269-3340.	9.9	1,477
184	A cultivated planet in 2010 – Part 2: The global gridded agricultural-production maps. <i>Earth System Science Data</i> , 2020, 12, 3545-3572.	9.9	122
185	Global rules for translating land-use change (LUH2) to land-cover change for CMIP6 using GLM2. <i>Geoscientific Model Development</i> , 2020, 13, 3203-3220.	3.6	31

#	ARTICLE	IF	CITATIONS
186	Biogenic carbon in buildings: a critical overview of LCA methods. Buildings and Cities, 2020, 1, 504-524.	2.3	110
187	Global mapping of potential natural vegetation: an assessment of machine learning algorithms for estimating land potential. PeerJ, 2018, 6, e5457.	2.0	94
188	Altered growth conditions more than reforestation counteracted forest biomass carbon emissions 1990â€”2020. Nature Communications, 2021, 12, 6075.	12.8	23
189	Concentrating vs. spreading our footprint: how to meet humanity's needs at least cost to nature. Journal of Zoology, 2021, 315, 79-109.	1.7	40
190	Land use intensification increasingly drives the spatiotemporal patterns of the global human appropriation of net primary production in the last century. Global Change Biology, 2022, 28, 307-322.	9.5	33
191	Quantifying the carbon balance of managed grasslands in near-real time and at field scale by using satellite data and biogeochemical modelling. , 2021, , .		0
192	The cost of undisturbed landscapes. Energy Policy, 2021, 159, 112617.	8.8	6
193	Soil Microbial Ecology and Its Role in Soil Carbon Sequestration in Sustainable Agroecosystems Under Climate Change. , 2020, , 249-291.		1
194	Indirect Land Use Change and Bio-based Products. RSC Green Chemistry, 2020, , 192-222.	0.1	0
196	Teaching Environmental Sustainability while Transforming Study Abroad. Sustainability, 2021, 13, 50.	3.2	4
197	Energy, water and carbon exchanges in managed forest ecosystems: description, sensitivity analysis and evaluation of the INRAE GO+ model, version 3.0. Geoscientific Model Development, 2020, 13, 5973-6009.	3.6	6
198	Attributing Global Land Carbon Loss to Regional Agricultural and Forestry Commodity Consumption. Environmental Science & Technology, 2021, 55, 823-831.	10.0	6
199	Global trends in vegetation fractional cover: Hotspots for change in bare soil and non-photosynthetic vegetation. Agriculture, Ecosystems and Environment, 2022, 324, 107719.	5.3	13
200	Climate Emergency. , 2020, , 169-197.		0
201	Biodiversity Conservation and Climate Change. , 2020, , 125-170.		0
203	Lâ€™impact des facteurs climatiques et topographiques sur la r�partition des for�ts subtropicales et temp�r�es humides au Pakistan. Geomorphologie Relief, Processus, Environnement, 2020, 26, 157-172.	0.4	3
204	Assessing impacts of selective logging on water, energy, and carbon budgets and ecosystem dynamics in Amazon forests using the Functionally Assembled Terrestrial Ecosystem Simulator. Biogeosciences, 2020, 17, 4999-5023.	3.3	11
206	Shift of soil fungal communities under afforestation in Nanliu River Basin, southwest China. Journal of Environmental Management, 2022, 302, 114130.	7.8	10

#	ARTICLE	IF	CITATIONS
207	Changes in nutrient and fibre tissue contents in <i>Nothofagus pumilio</i> trees growing at site quality and crown class gradients. <i>Forest Ecology and Management</i> , 2022, 505, 119910.	3.2	4
208	World scientists's warnings into action, local to global. <i>Science Progress</i> , 2021, 104, 003685042110562.	1.9	13
209	Land Use Increases the Correlation between Tree Cover and Biomass Carbon Stocks in the Global Tropics. <i>Land</i> , 2021, 10, 1217.	2.9	3
210	Dietary change in high-income nations alone can lead to substantial double climate dividend. <i>Nature Food</i> , 2022, 3, 29-37.	14.0	70
211	Deforestation scenarios show the importance of secondary forest for meeting Panama's carbon goals. <i>Landscape Ecology</i> , 2022, 37, 673-694.	4.2	13
212	How do we best synergize climate mitigation actions to co-benefit biodiversity?. <i>Global Change Biology</i> , 2022, 28, 2555-2577.	9.5	28
213	Linking food production and environmental outcomes: An application of a modified relative risk model to prioritize land-management practices. <i>Agricultural Systems</i> , 2022, 196, 103342.	6.1	4
214	A new protocol for estimation of woody aboveground biomass in disturbance-prone ecosystems. <i>Ecological Indicators</i> , 2022, 135, 108466.	6.3	4
216	Ophthalmologists and climate change. <i>Clinical and Experimental Ophthalmology</i> , 2022, 50, 274-279.	2.6	4
217	Changes in perspective needed to forge a "no-regret" forest-based climate change mitigation strategies. <i>GCB Bioenergy</i> , 2022, 14, 246-257.	5.6	12
218	Native forests in agricultural landscapes: An option for sustainability. , 2022, , 353-375.		0
219	The response of key ecosystem services to land use and climate change in Chongqing: Time, space, and altitude. <i>Journal of Chinese Geography</i> , 2022, 32, 317-332.	3.9	8
220	High potential of stable carbon sequestration in phytoliths of China's grasslands. <i>Global Change Biology</i> , 2022, 28, 2736-2750.	9.5	23
221	Forest Transitions in the United States, France and Austria: dynamics of forest change and their socio-metabolic drivers. <i>Journal of Land Use Science</i> , 2022, 17, 113-133.	2.2	5
222	The global carbon sink potential of terrestrial vegetation can be increased substantially by optimal land management. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	65
223	Reconstruction of Agriculture-Driven Deforestation in Western Hunan Province of China during the 18th Century. <i>Land</i> , 2022, 11, 181.	2.9	5
224	Biomass's Critical limits to a vital resource. <i>One Earth</i> , 2022, 5, 7-9.	6.8	8
225	Relative effects of land conversion and land-use intensity on terrestrial vertebrate diversity. <i>Nature Communications</i> , 2022, 13, 615.	12.8	29

#	ARTICLE	IF	CITATIONS
226	Ten facts about land systems for sustainability. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	157
227	Terrestrial carbon sinks in China and around the world and their contribution to carbon neutrality. Science China Life Sciences, 2022, 65, 861-895.	4.9	163
228	Pyrogenic carbon decomposition critical to resolving fire's role in the Earth system. Nature Geoscience, 2022, 15, 135-142.	12.9	22
229	A guide to assess and value ecosystem services of grasslands. Ecosystem Services, 2021, 52, 101376.	5.4	17
230	Tropical and Boreal Forest " Atmosphere Interactions: A Review. Tellus, Series B: Chemical and Physical Meteorology, 2022, 74, 24.	1.6	27
231	Predicting resilience and stability of early second-growth forests. Remote Sensing in Ecology and Conservation, 0, , .	4.3	4
232	Definitions and methods to estimate regional land carbon fluxes for the second phase of the REgional Carbon Cycle Assessment and Processes Project (RECCAP-2). Geoscientific Model Development, 2022, 15, 1289-1316.	3.6	34
233	Agricultural management effects on mean and extreme temperature trends. Earth System Dynamics, 2022, 13, 419-438.	7.1	6
234	Categorization optimization in the construction of thematic products. International Journal of Remote Sensing, 2022, 43, 1356-1383.	2.9	0
235	Removing climbers more than doubles tree growth and biomass in degraded tropical forests. Ecology and Evolution, 2022, 12, e8758.	1.9	17
236	Temporary nature-based carbon removal can lower peak warming in a well-below 2°C scenario. Communications Earth & Environment, 2022, 3, .	6.8	45
237	Can a national afforestation plan achieve simultaneous goals of biodiversity and carbon enhancement? Exploring optimal decision making using multi-spatial modeling. Biological Conservation, 2022, 267, 109474.	4.1	12
238	Towards sustainable management of forest residues in the southern Apennine Mediterranean mountain forests: a scenario-based approach. Annals of Forest Science, 2022, 79, 14.	2.0	7
239	Molecular studies of cellulose synthase supercomplex from cotton fiber reveal its unique biochemical properties. Science China Life Sciences, 2022, 65, 1776-1793.	4.9	17
240	How Well Do We Understand the Land-Ocean-Atmosphere Carbon Cycle?. Reviews of Geophysics, 2022, 60, .	23.0	38
241	Technology strategies to achieve carbon peak and carbon neutrality for China's metal mines. International Journal of Minerals, Metallurgy and Materials, 2022, 29, 626-634.	4.9	32
242	Aboveground Biomass Along an Elevation Gradient in an Evergreen Andean Amazonian Forest in Ecuador. Frontiers in Forests and Global Change, 2022, 5, .	2.3	7
243	Factors involved in the degradation of mangrove forests in Iran: A mixed study for the management of this ecosystem. Journal for Nature Conservation, 2022, 66, 126153.	1.8	22

#	ARTICLE	IF	CITATIONS
244	European Forest Governance: Status Quo and Optimising Options with Regard to the Paris Climate Target. Sustainability, 2022, 14, 4365.	3.2	7
245	Unveiling the complex canopy spatial structure of a Mediterranean old-growth beech (<i>Fagus sylvatica</i>) Tj ETQq1 1 0.784314 9.6 BT /Over	6.3	9
246	Differential Responses of Plant Primary Productivity to Nutrient Addition in Natural and Restored Alpine Grasslands in the Qinghai Lake Basin. Frontiers in Plant Science, 2021, 12, 792123.	3.6	6
247	Land Use Effects on Climate: Current State, Recent Progress, and Emerging Topics. Current Climate Change Reports, 2021, 7, 99-120.	8.6	51
248	Climate Variations vs. Human Activities: Distinguishing the Relative Roles on Vegetation Dynamics in the Three Karst Provinces of Southwest China. Frontiers in Earth Science, 2022, 10, .	1.8	7
249	Deforestation-induced climate change reduces carbon storage in remaining tropical forests. Nature Communications, 2022, 13, 1964.	12.8	41
250	Net carbon accounting and reporting are a barrier to understanding the mitigation value of forest protection in developed countries. Environmental Research Letters, 2022, 17, 054028.	5.2	15
251	Effects of land use change type on soil microbial attributes and their controls: Data synthesis. Ecological Indicators, 2022, 138, 108852.	6.3	10
254	Global Carbon Budget 2021. Earth System Science Data, 2022, 14, 1917-2005.	9.9	663
255	Vegetation change enhanced the positive global surface radiation budget. Advances in Space Research, 2022, 70, 324-335.	2.6	2
256	Environmental impact assessment of dam-break floods considering multiple influencing factors. Science of the Total Environment, 2022, 837, 155853.	8.0	6
257	Did agriculture beget agriculture during the past several millennia?. Holocene, 0, , 095968362210882.	1.7	1
258	Creating Strategic Reserves to Protect Forest Carbon and Reduce Biodiversity Losses in the United States. Land, 2022, 11, 721.	2.9	15
259	Public perceptions of using forests to fuel the European bioeconomy: Findings from eight university cities. Forest Policy and Economics, 2022, 140, 102749.	3.4	3
260	Ganoderma Lucidum-derived erythrocyte-like sustainable materials. Carbon, 2022, 196, 70-77.	10.3	14
261	Simulated net ecosystem productivity of subtropical forests and its response to climate change in Zhejiang Province, China. Science of the Total Environment, 2022, 838, 155993.	8.0	17
262	Why does overgrazing promote nitrifiers and denitrifiers abundance and the resultant soil <sc>N₂O</sc> emissions?. Land Degradation and Development, 2022, 33, 2822-2829.	3.9	1
263	Is There Spatial and Temporal Variability in the Response of Plant Canopy and Trunk Growth to Climate Change in a Typical River Basin of Arid Areas. Water (Switzerland), 2022, 14, 1573.	2.7	3

#	ARTICLE	IF	CITATIONS
264	Land Management Explains the Contrasting Greening Pattern Across Chinaâ€Russia Border Based on Paired Land Use Experiment Approach. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	3
265	The global potential for increased storage of carbon on land. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	54
266	A generalizable framework for enhanced natural climate solutions. <i>Plant and Soil</i> , 2022, 479, 3-24.	3.7	6
267	UAV-Based Characterization of Tree-Attributes and Multispectral Indices in an Uneven-Aged Mixed Conifer-Broadleaf Forest. <i>Remote Sensing</i> , 2022, 14, 2775.	4.0	4
268	From sink to source: changing climate and disturbance regimes could tip the 21st century carbon balance of an unmanaged mountain forest landscape. <i>Forestry</i> , 2023, 96, 399-409.	2.3	10
269	8000-year doubling of Midwestern forest biomass driven by population- and biome-scale processes. <i>Science</i> , 2022, 376, 1491-1495.	12.6	7
270	Missing the grassland for the cows: Scaling grassâ€finished beef production entails tradeoffsâ€”Comment on â€œGrazed perennial grasslands can match current beef production while contributing to climate mitigation and adaptationâ€” <i>Agricultural and Environmental Letters</i> , 2022, 7, .	1.2	2
271	Closing an open balance: The impact of increased tree harvest on forest carbon. <i>GCB Bioenergy</i> , 2022, 14, 989-1000.	5.6	16
272	Linking land-use and land-cover transitions to their ecological impact in the Amazon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	24
273	Circling the drain: the extinction crisis and the future of humanity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, .	4.0	32
274	Carbon removals from nature restoration are no substitute for steep emission reductions. <i>One Earth</i> , 2022, 5, 812-824.	6.8	17
275	Simulation model of vegetation dynamics by combining static and dynamic data using the gated recurrent unit neural network-based method. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 112, 102901.	1.9	2
276	Improved representation of plant physiology in the JULES-vn5.6 land surface model: photosynthesis, stomatal conductance and thermal acclimation. <i>Geoscientific Model Development</i> , 2022, 15, 5567-5592.	3.6	8
278	The Change in Net Ecosystem Productivity and its Driving Mechanism in a Mountain Ecosystem of Arid Regions, Northwest China. <i>Remote Sensing</i> , 2022, 14, 4046.	4.0	11
279	The Role of Remaining Carbon Budgets and Net-Zero CO2 Targets in Climate Mitigation Policy. <i>Current Climate Change Reports</i> , 2022, 8, 91-103.	8.6	4
280	Process-oriented analysis of dominant sources of uncertainty in the land carbon sink. <i>Nature Communications</i> , 2022, 13, .	12.8	18
281	Land restoration in the Himalayan Region: Steps towards biosphere integrity. <i>Land Use Policy</i> , 2022, 121, 106317.	5.6	2
282	From woodfuel to industrial wood: A socio-metabolic reading of the forest transition in Spain (1860â€2010). <i>Ecological Economics</i> , 2022, 201, 107548.	5.7	4

#	ARTICLE	IF	CITATIONS
283	Reply to: The risks of overstating the climate benefits of ecosystem restoration. <i>Nature</i> , 2022, 609, E4-E6.	27.8	0
284	Precipitation and soil nutrients determine the spatial variability of grassland productivity at large scales in China. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	6
285	Downscaling estimates of land carbon opportunity costs for agricultural products to provincial level in China. <i>Journal of Cleaner Production</i> , 2022, 376, 134267.	9.3	0
286	Identification of key priority areas under different ecological restoration scenarios on the Qinghai-Tibet Plateau. <i>Journal of Environmental Management</i> , 2022, 323, 116174.	7.8	12
287	Discussion, Conclusions, and Policy Recommendations. , 2022, , 353-365.		0
288	A mid-20 th century inventory-based estimate of global terrestrial vegetation carbon stocks. <i>Journal of Land Use Science</i> , 2022, 17, 429-453.	2.2	1
289	Heterogeneity of Increases in Net Primary Production under Intensified Human Activity and Climate Variability on the Loess Plateau of China. <i>Remote Sensing</i> , 2022, 14, 4706.	4.0	9
291	Disentangling the numbers behind agriculture-driven tropical deforestation. <i>Science</i> , 2022, 377, .	12.6	105
292	The risks of overstating the climate benefits of ecosystem restoration. <i>Nature</i> , 2022, 609, E1-E3.	27.8	11
293	Measurement and Spatial Econometric Analysis of Forest Carbon Sequestration Efficiency in Zhejiang Province, China. <i>Forests</i> , 2022, 13, 1583.	2.1	2
294	Delayed use of bioenergy crops might threaten climate and food security. <i>Nature</i> , 2022, 609, 299-306.	27.8	49
295	The biogeophysical effects of idealized land cover and land management changes in Earth system models. <i>Earth System Dynamics</i> , 2022, 13, 1305-1350.	7.1	7
296	Impact of changes in climate and CO ₂ on the carbon storage potential of vegetation under limited water availability using SEIB-DGVM version 3.02. <i>Geoscientific Model Development</i> , 2022, 15, 7075-7098.	3.6	1
297	Quantitative Assessment of the Relative Contributions of Climate and Human Factors to Net Primary Productivity in the Ili River Basin of China and Kazakhstan. <i>Chinese Geographical Science</i> , 2022, 32, 1069-1082.	3.0	3
298	Tracking 21st century anthropogenic and natural carbon fluxes through model-data integration. <i>Nature Communications</i> , 2022, 13, .	12.8	10
300	Land use and cover change (LUCC) impacts on Earth's eco-environments: Research progress and prospects. <i>Advances in Space Research</i> , 2023, 71, 1418-1435.	2.6	3
301	Using ecosystem integrity to maximize climate mitigation and minimize risk in international forest policy. <i>Frontiers in Forests and Global Change</i> , 0, 5, .	2.3	7
302	Advances in Forest Management Research in the Context of Carbon Neutrality: A Bibliometric Analysis. <i>Forests</i> , 2022, 13, 1810.	2.1	4

#	ARTICLE	IF	CITATIONS
303	Introduction to Organic Agriculture. , 2023, , 1-38.		1
304	Quantifying the impacts of land cover change on gross primary productivity globally. Scientific Reports, 2022, 12, .	3.3	14
305	Effects of Organic Agriculture on the Soil Carbon Stock. , 2023, , 39-127.		0
306	Rhizosphere soil microbes benefit carbon and nitrogen sinks under long-term afforestation on the Tibetan Plateau. Catena, 2023, 220, 106705.	5.0	5
307	Regional Patterns of Vegetation Dynamics and Their Sensitivity to Climate Variability in the Yangtze River Basin. Remote Sensing, 2022, 14, 5623.	4.0	5
308	Implications of tropical cyclones on damage and potential recovery and restoration of logged forests in Vietnam. Philosophical Transactions of the Royal Society B: Biological Sciences, 2023, 378, .	4.0	4
309	Adoption of plant-based diets across Europe can improve food resilience against the Russiaâ€“Ukraine conflict. Nature Food, 2022, 3, 905-910.	14.0	25
310	Global Carbon Budget 2022. Earth System Science Data, 2022, 14, 4811-4900.	9.9	492
311	An Introduction to the Anthropocene and Education. , 2022, , 1-23.		0
312	Storing More Carbon by Improving Forest Management in the Acadian Forest of New England, USA. Forests, 2022, 13, 2031.	2.1	2
314	Relationships between land-use intensity, woody species diversity, and carbon storage in an arid woodland ecosystem. Forest Ecology and Management, 2023, 529, 120747.	3.2	4
315	Detection and assessment of the spatio-temporal land use/cover change in the Thai Binh province of Vietnamâ€™s Red River delta using remote sensing and GIS. Modeling Earth Systems and Environment, 2023, 9, 2711-2722.	3.4	8
316	Ecological Protection Alone Is Not Enough to Conserve Ecosystem Carbon Storage: Evidence from Guangdong, China. Land, 2023, 12, 111.	2.9	2
317	Carbonated tiger-high above-ground biomass carbon stock in protected areas and corridors and its observed negative relationship with tiger population density and occupancy in the Terai Arc Landscape, Nepal. PLoS ONE, 2023, 18, e0280824.	2.5	0
318	Ocena wielofunkcyjnej gospodarki leÅ›nej w Polsce na tle wybranych krajÃ³w Unii Europejskiej. Agronomy Science, 2023, 77, 33-48.	0.3	1
319	Effects of forest degradation classification on the uncertainty of aboveground carbon estimates in the Amazon. Carbon Balance and Management, 2023, 18, .	3.2	2
320	Effects of farmland use transition on soil organic carbon in dry farming areas. Environment, Development and Sustainability, 2024, 26, 7055-7078.	5.0	0
321	Anthropogenic activities dominated tropical forest carbon balance in two contrary ways over the Greater Mekong Subregion in the 21st century. Global Change Biology, 2023, 29, 3421-3432.	9.5	2

#	ARTICLE	IF	CITATIONS
322	Impact of global urban expansion on the terrestrial vegetation carbon sequestration capacity. Science of the Total Environment, 2023, 879, 163074.	8.0	16
323	Product-Specific human appropriation of net primary production in US counties. Ecological Indicators, 2023, 150, 110241.	6.3	2
324	Highly effective fractionation chemistry to overcome the recalcitrance of softwood lignocellulose. Carbohydrate Polymers, 2023, 312, 120815.	10.2	2
325	Ecological Footprints in Changing Climate: An Overview. Springer Climate, 2022, , 3-30.	0.6	0
326	Nonlinear trends of vegetation changes in different geomorphologic zones and land use types of the Yangtze River basin, China. Land Degradation and Development, 0, , .	3.9	2
327	Temperature sensitivity of soil organic carbon respiration along a forested elevation gradient in the Rwenzori Mountains, Uganda. Biogeosciences, 2023, 20, 719-735.	3.3	6
328	Calibrating Nepal's scientific forest management practices in the measure of forest restoration. Land Use Policy, 2023, 127, 106586.	5.6	2
329	A Study on Spatial and Temporal Dynamic Changes of Desertification in Northern China from 2000 to 2020. Remote Sensing, 2023, 15, 1368.	4.0	3
330	Future farming: protein production for livestock feed in the EU. , 2023, 6, .		0
331	Evaluating soil carbon stability by combining $\delta^{13}\text{C}$ and soil aggregates after afforestation on agricultural land and thinning management. Plant and Soil, 2023, 487, 567-586.	3.7	1
332	Have rural settlement changes harmed ecosystem carbon in China?. Applied Geography, 2023, 153, 102917.	3.7	5
333	Modelling forest biomass dynamics in relation to climate change in Romania using complex data and machine learning algorithms. Stochastic Environmental Research and Risk Assessment, 2023, 37, 1669-1695.	4.0	5
335	Changes in Forest Vegetation Carbon Storage and Its Driving Forces in Subtropical Red Soil Hilly Region over the Past 34 Years: A Case Study of Taihe County, China. Forests, 2023, 14, 602.	2.1	0
336	Healthy diets for sustainable food systems: a narrative review. Environmental Science Advances, 0, , .	2.7	0
337	The sizes of life. PLoS ONE, 2023, 18, e0283020.	2.5	1
338	Creation of a Walloon Pasture Monitoring Platform Based on Machine Learning Models and Remote Sensing. Remote Sensing, 2023, 15, 1890.	4.0	1
339	Using Landsat satellite imagery for assessment and monitoring of long-term forest cover changes in Dak Nong province, Vietnam. Geographica Pannonica, 2023, 27, 69-82.	1.3	7
340	Human appropriation of net primary production as driver of change in landscape-scale vertebrate richness. Global Ecology and Biogeography, 2023, 32, 855-866.	5.8	1

#	ARTICLE	IF	CITATIONS
341	Protect large trees for climate mitigation, biodiversity, and forest resilience. <i>Conservation Science and Practice</i> , 2023, 5, .	2.0	3
342	Carbon Storage and Environmental Determinants in a Tropical Rainforest Landscape. <i>Open Journal of Ecology</i> , 2023, 13, 229-240.	1.0	0
343	Estimating Forest Above-Ground Biomass in Central Amazonia Using Polarimetric Attributes of ALOS/PALSAR Images. <i>Forests</i> , 2023, 14, 941.	2.1	2
344	Sacred groves: a model of Zagros forests for carbon sequestration and climate change mitigation. <i>Environmental Conservation</i> , 0, , 1-6.	1.3	2
345	Distribution range contractions and identification of conservation priority areas for canids in Sichuan Province, China. <i>Global Ecology and Conservation</i> , 2023, 44, e02499.	2.1	0
347	The biogeophysical effects of idealized land cover and land management changes in Earth system models. <i>Earth System Dynamics</i> , 2023, 14, 629-667.	7.1	4
348	Adaptation and mitigation capacity of wildland forests in the northeastern United States. <i>Forest Ecology and Management</i> , 2023, 544, 121145.	3.2	0
349	Combined influence of ENSO and North Atlantic Oscillation (NAO) on Eurasian Steppe during 1982â€”2018. <i>Science of the Total Environment</i> , 2023, 892, 164735.	8.0	0
350	Detrimental Effects of Induced Soil Compaction on Morphological Adaptation and Physiological Plasticity of Selected Multipurpose Tree Species. <i>Plants</i> , 2023, 12, 2468.	3.5	0
351	An Unpiloted Aerial System (UAV) Light Detection and Ranging (LiDAR) Based Approach to Detect Canopy Forest Structure Parameters in Old-Growth Beech Forests: Preliminary Results. <i>Lecture Notes in Computer Science</i> , 2023, , 197-205.	1.3	0
352	The carbon cost of agricultural production in the global land rush. <i>Global Environmental Change</i> , 2023, 80, 102679.	7.8	6
353	Contribution of vegetation restoration to carbon sequestration driven by exâ€™situ poverty alleviation and relocation in ecologically fragile areasâ€™Taking Guizhou, China, as a case. <i>Land Degradation and Development</i> , 2023, 34, 3905-3919.	3.9	2
354	Harvesting the Landsat archive for land cover land use classification using deep neural networks: Comparison with traditional classifiers and multi-sensor benefits. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2023, 200, 106-119.	11.1	7
355	Releasing global forests from human management: How much more carbon could be stored?. <i>Science</i> , 2023, 380, 749-753.	12.6	20
356	Using Microorganismal Consortium and Bioactive Substances to Treat Seeds of Two Scots Pine Ecotypes as a Technique to Increase Re-Afforestation Efficiency on Chalk Outcrops. <i>Forests</i> , 2023, 14, 1093.	2.1	1
357	Radiocarbon evidence for the stability of polar ocean overturning during the Holocene. <i>Nature Geoscience</i> , 2023, 16, 631-636.	12.9	2
358	Social Metabolism and Biodiversity. , 2024, , 526-542.		0
359	Local and Regional Effects of Land-Use Intensity on Aboveground Biomass and Tree Diversity in Tropical Montane Cloud Forests. <i>Ecosystems</i> , 2023, 26, 1734-1752.	3.4	4

#	ARTICLE	IF	CITATIONS
360	The carbon costs of global wood harvests. <i>Nature</i> , 2023, 620, 110-115.	27.8	19
361	Green and sustainable biomass supply chain for environmental, social and economic benefits. <i>Biomass and Bioenergy</i> , 2023, 175, 106893.	5.7	12
362	The role of high-biodiversity regions in preserving Nature's Contributions to People. <i>Nature Sustainability</i> , 2023, 6, 1385-1393.	23.7	4
363	Global evaluation of terrestrial biogeochemistry in the Energy Exascale Earth System Model (E3SM) and the role of the phosphorus cycle in the historical terrestrial carbon balance. <i>Biogeosciences</i> , 2023, 20, 2813-2836.	3.3	2
364	Multi-model assessment identifies livestock grazing as a major contributor to variation in European Union land and water footprints. <i>Nature Food</i> , 2023, 4, 575-584.	14.0	7
365	The Global Land Squeeze: Managing the Growing Competition for Land. , 0, , .		1
366	Timescales in the Biosphere and Geosphere and Their Interactions: Importance in Establishing Earth System State. <i>Mathematics Online First Collections</i> , 2023, , 215-233.	0.1	1
367	Limited driving of elevated CO ₂ on vegetation greening over global drylands. <i>Environmental Research Letters</i> , 2023, 18, 104024.	5.2	0
368	Integrating forest structural diversity measurement into ecological research. <i>Ecosphere</i> , 2023, 14, .	2.2	5
369	A call to reduce the carbon costs of forest harvest. <i>Nature</i> , 2023, 620, 44-45.	27.8	1
370	Precipitation Dominates the Allocation Strategy of Above- and Belowground Biomass in Plants on Macro Scales. <i>Plants</i> , 2023, 12, 2843.	3.5	4
371	An improved micropropagation protocol for the ex situ conservation of <i>Thlaspi cariensense</i> A. Carlström (Brassicaceae): an endangered Turkish endemic plant species. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2023, 59, 574-583.	2.1	0
372	Continuity of Global MODIS Terrestrial Primary Productivity Estimates in the VIIRS Era Using Model-Data Fusion. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2023, 128, .	3.0	2
373	Biodiversity and carbon conservation under the ecosystem stability of tropical forests. <i>Journal of Environmental Management</i> , 2023, 345, 118929.	7.8	2
374	Earth beyond six of nine planetary boundaries. <i>Science Advances</i> , 2023, 9, .	10.3	164
375	Multiscale and multifunctional analysis of the coupling relationship between land use and desertification. <i>Land Degradation and Development</i> , 2024, 35, 183-195.	3.9	1
376	The anthropogenic imprint on temperate and boreal forest demography and carbon turnover. <i>Global Ecology and Biogeography</i> , 2024, 33, 100-115.	5.8	0
377	Photosynthesis 2.0: Realizing New-to-Nature CO ₂ -Fixation to Overcome the Limits of Natural Metabolism. <i>Cold Spring Harbor Perspectives in Biology</i> , 0, , a041669.	5.5	1

#	ARTICLE	IF	CITATIONS
378	Revising the global biogeography of annual and perennial plants. <i>Nature</i> , 2023, 624, 109-114.	27.8	3
379	Integrated global assessment of the natural forest carbon potential. <i>Nature</i> , 2023, 624, 92-101.	27.8	11
380	Evaluation and economic value of <i>Hedera colchica</i> in urban land management. <i>Clean - Soil, Air, Water</i> , 0, , .	1.1	0
381	The accumulation and carbon sequestration potential of biogenic silica in coastal salt marshes: Implications for relative sea-level rise. <i>Catena</i> , 2024, 235, 107683.	5.0	1
382	Historical changes in biomass carbon stocks in the Mediterranean (Spain, 1860–2010). <i>Anthropocene</i> , 2023, 44, 100416.	3.3	1
383	History General Education in the Era of Convergence : Seeking Change by Climate History. <i>The Korean Association of General Education</i> , 2023, 17, 11-24.	0.3	0
384	Some evidence and new insights for feedback loops of human-nature interactions from a holistic Earth perspective. <i>Journal of Cleaner Production</i> , 2023, 432, 139667.	9.3	1
386	Need and vision for global medium-resolution Landsat and Sentinel-2 data products. <i>Remote Sensing of Environment</i> , 2024, 300, 113918.	11.0	4
387	Understanding ecological restoration potential: The role of water resources and slope gradient limits. <i>Science of the Total Environment</i> , 2024, 912, 169001.	8.0	1
390	Sand mining in BRICS economies: Tragedy of the commons or fortune in the making?. <i>Journal of Cleaner Production</i> , 2024, 434, 140122.	9.3	0
391	Potato Leaf Chlorophyll Content Estimation through Radiative Transfer Modeling and Active Learning. <i>Agronomy</i> , 2023, 13, 3071.	3.0	0
393	Monitoring lianas from space: Using Sentinel-2 imagery to observe liana removal in logged tropical forests. <i>Forest Ecology and Management</i> , 2024, 554, 121648.	3.2	0
394	Global Carbon Budget 2023. <i>Earth System Science Data</i> , 2023, 15, 5301-5369.	9.9	24
395	Deep point cloud regression for above-ground forest biomass estimation from airborne LiDAR. <i>Remote Sensing of Environment</i> , 2024, 302, 113968.	11.0	1
396	Livestock increasingly drove global agricultural emissions growth from 1910–2015. <i>Environmental Research Letters</i> , 2024, 19, 024011.	5.2	0
397	Consistent patterns of common species across tropical tree communities. <i>Nature</i> , 2024, 625, 728-734.	27.8	1
398	Satellite-Observed Increase in Aboveground Carbon over Southwest China during 2013-2021. <i>Journal of Remote Sensing</i> , 2024, 4, .	6.7	0
399	A global fuel characteristic model and dataset for wildfire prediction. <i>Biogeosciences</i> , 2024, 21, 279-300.	3.3	0

#	ARTICLE	IF	CITATIONS
400	Toward planning more sustainable agroforestry systems in the face of climate change. , 2024, , 331-349.		0
401	Precision Grazing: when Agriculture, Livestock and Technology unite. , 2023, , .		0
402	Protecting an artificial savanna as a natureâ€based solution to restore carbon and biodiversity in the Democratic Republic of the Congo. Global Change Biology, 2024, 30, .	9.5	0
403	A brief overview and perspective of using airborne Lidar data for forest biomass estimation. International Journal of Image and Data Fusion, 2024, 15, 1-24.	1.7	0
404	Societyâ€™s material stocks as carbon pool: an economy-wide quantification of global carbon stocks from 1900â€“2015. Environmental Research Letters, 2024, 19, 024051.	5.2	0
405	Effects of free-ranging livestock on occurrences and interspecific interactions of a wildlife community in a temperate forest. Global Ecology and Conservation, 2024, 50, e02826.	2.1	0
406	A protein transition can free up land to tap vast energy and negative emission potentials. One Earth, 2024, 7, 293-310.	6.8	1
407	Incorporating smallâ€scale disturbances in models of forest structure and aboveground biomass of tropical mountains. Ecosphere, 2024, 15, .	2.2	0
408	Tradeoffs and synergies of optimized management for maximizing carbon sequestration across complex landscapes and diverse ecosystem services. Forest Policy and Economics, 2024, 161, 103178.	3.4	0
409	Analysis of Vegetation NDVI Changes and Driving Factors in the Karst Concentration Distribution Area of Asia. Forests, 2024, 15, 398.	2.1	0
410	Satellite-based woody canopy cover for Africa: Uncovering bias and recovering best estimates across years. Science of Remote Sensing, 2024, 9, 100124.	4.8	0
411	Variability of mechanical properties of hardwood branches according to their position and inclination in the tree. Construction and Building Materials, 2024, 419, 135448.	7.2	0
412	Harvesting Insights from the Sky: Satellite-Powered Automation for Detecting Mowing Based on Predicted Compressed Sward Heights. Applied Sciences (Switzerland), 2024, 14, 1923.	2.5	0
413	Modeling the natural vegetation dynamic under climate change scenarios in coastal protected dryland of southeastern Tunisia. , 2024, 6, 11-21.		0
414	Does road construction have beneficial effects on vegetation biodiversity and tree regeneration in arid woodlands?. Land Degradation and Development, 2024, 35, 2508-2517.	3.9	0
415	Historical impacts of grazing on carbon stocks and climate mitigation opportunities. Nature Climate Change, 2024, 14, 380-386.	18.8	0
416	Effects of dairy farming management practices on carbon balances in New Zealandâ€™s grazed grasslands: Synthesis from 68 site-years. Agriculture, Ecosystems and Environment, 2024, 367, 108962.	5.3	0
418	Ecology: A few species dominate forest tree abundance pan-tropically. Current Biology, 2024, 34, R251-R254.	3.9	0

#	ARTICLE	IF	CITATIONS
419	Wald und Forstwirtschaft im Klimawandel. , 2023, , 249-262.		0
420	Detection of Land Use and Land Cover Change Using Remote Sensing and GIS in Ba Ria-Vung Tau Province, Vietnam. Geography and Natural Resources, 2023, 44, 383-393.	0.3	0
421	Convergent Liberal Education in the Era of Climate Crisis : Using Climate Science, Earth System Science/Environmental Science, Climate History as Cornerstones. The Korean Association of General Education, 2024, 18, 37-51.	0.3	0
422	Land potential assessment and trend-analysis using 2000â€“2021 FAPAR monthly time-series at 250 m spatial resolution. PeerJ, 0, 12, e16972.	2.0	0