

# CITATION REPORT

List of articles citing

## Natural climate solutions

DOI: 10.1073/pnas.1710465114

Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11645-11650.

**Source:** <https://exaly.com/paper-pdf/66906012/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1302	Ecosystem management and land conservation can substantially contribute to California's climate mitigation goals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 12833-12838	11.5	36
1301	Managing the global land resource. <b>2018</b> , 285,		19
1300	Impacts of soil carbon sequestration on life cycle greenhouse gas emissions in Midwestern USA beef finishing systems. <b>2018</b> , 162, 249-258		101
1299	The exceptional value of intact forest ecosystems. <b>2018</b> , 2, 599-610		406
1298	Reforestation can sequester two petagrams of carbon in US topsoils in a century. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 2776-2781	11.5	52
1297	Climate change mitigation and adaptation in agriculture: the case of the olive. <b>2018</b> , 9, 633-642		12
1296	Farming with crops and rocks to address global climate, food and soil security. <b>2018</b> , 4, 138-147		112
1295	Land restoration in food security programmes: synergies with climate change mitigation. <b>2018</b> , 18, 1260-1270		18
1294	Impact on short-lived climate forcers increases projected warming due to deforestation. <b>2018</b> , 9, 157		54
1293	Looking to nature for solutions. <b>2018</b> , 8, 18-19		10
1292	The global overlap of bioenergy and carbon sequestration potential. <b>2018</b> , 148, 1-10		26
1291	Integrating carbon dioxide removal into EU climate policy: Prospects for a paradigm shift. <b>2018</b> , 9, e521		25
1290	Impacts on terrestrial biodiversity of moving from a 2°C to a 1.5°C target. <b>2018</b> , 376,		19
1289	Tree seedling response to LED spectra: implications for forest restoration. <b>2018</b> , 152, 515-523		15
1288	How big is the energy efficiency resource?. <b>2018</b> , 13, 090401		21
1287	Managing Moist Forests of the Pacific Northwest United States for Climate Positive Outcomes. <b>2018</b> , 9, 618		3
1286	Barking Up the Right Tree? NGOs and Corporate Power for Deforestation-Free Supply Chains. <b>2018</b> , 10, 3869		11

1285	Trajectories of the Earth System in the Anthropocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 8252-8259	11.5	1184
1284	Enhanced photothermal reduction of gaseous CO <sub>2</sub> over silicon photonic crystal supported ruthenium at ambient temperature. <b>2018</b> , 11, 3443-3451		53
1283	Is the future of agriculture perennial? Imperatives and opportunities to reinvent agriculture by shifting from annual monocultures to perennial polycultures. <b>2018</b> , 1,		65
1282	Natural climate solutions for the United States. <b>2018</b> , 4, eaat1869		166
1281	Understanding the implications of the EU-LULUCF regulation for the wood supply from EU forests to the EU. <b>2018</b> , 13, 18		19
1280	Global cost estimates of forest climate mitigation with albedo: a new integrative policy approach. <b>2018</b> , 13, 125002		16
1279	Reimagining the human. <b>2018</b> , 362, 1242-1244		56
1278	Animals and the zoogeochemistry of the carbon cycle. <b>2018</b> , 362,		93
1277	Air quality co-benefits for human health and agriculture counterbalance costs to meet Paris Agreement pledges. <b>2018</b> , 9, 4939		88
1276	Uncertainty in United States coastal wetland greenhouse gas inventorying. <b>2018</b> , 13, 115005		26
1275	Opinion: Reconsidering bioenergy given the urgency of climate protection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 9642-9645	11.5	15
1274	The Terrestrial Carbon Sink. <b>2018</b> , 43, 219-243		83
1273	The benefits that (only) capital can see? Resource access and degradation in industrial carbon forestry, lessons from the CDM in Uganda. <b>2018</b> , 97, 315-323		13
1272	Reconciling global-model estimates and country reporting of anthropogenic forest CO <sub>2</sub> sinks. <b>2018</b> , 8, 914-920		57
1271	Biochar Can Be a Suitable Replacement for Sphagnum Peat in Nursery Production of <i>Pinus ponderosa</i> Seedlings. <b>2018</b> , 9, 232		15
1270	A systems approach to assess climate change mitigation options in landscapes of the United States forest sector. <b>2018</b> , 13, 13		15
1269	Permaculture—Scientific Evidence of Principles for the Agroecological Design of Farming Systems. <b>2018</b> , 10, 3218		27
1268	The International Movement to Protect Half the World: Origins, Scientific Foundations, and Policy Implications. <b>2018</b> ,		1

1267	Ocean Solutions to Address Climate Change and Its Effects on Marine Ecosystems. <b>2018</b> , 5,	136
1266	Aiming higher to bend the curve of biodiversity loss. <b>2018</b> , 1, 448-451	207
1265	The potential of agricultural land management to contribute to lower global surface temperatures. <b>2018</b> , 4, eaaq0932	19
1264	Safeguarding reforestation efforts against changes in climate and disturbance regimes. <b>2018</b> , 424, 458-467	13
1263	Negative emissionsPart 3: Innovation and upscaling. <b>2018</b> , 13, 063003	140
1262	Quantifying long-term changes in carbon stocks and forest structure from Amazon forest degradation. <b>2018</b> , 13, 065013	44
1261	International law poses problems for negative emissions research. <b>2018</b> , 8, 451-453	9
1260	Emissions mitigation opportunities for savanna countries from early dry season fire management. <b>2018</b> , 9, 2247	42
1259	Agriculture Can Mitigate Climate Change at Low Cost to Help Meet Paris Climate Agreement Goals. <b>2018</b> , 68, 485-486	2
1258	Catastrophic Climate Change and Forest Tipping Points: Blind Spots in International Politics and Policy. <b>2018</b> , 9, 513-524	15
1257	Science-based approach for credible accounting of mitigation in managed forests. <b>2018</b> , 13, 8	32
1256	Negative emissionsPart 2: Costs, potentials and side effects. <b>2018</b> , 13, 063002	431
1255	Land-use emissions play a critical role in land-based mitigation for Paris climate targets. <b>2018</b> , 9, 2938	99
1254	The revival of the Honourable Merchant? Analysing private forest governance at firm level. <b>2018</b> , 18, 619-634	4
1253	Grasslands may be more reliable carbon sinks than forests in California. <b>2018</b> , 13, 074027	78
1252	What is REDD+ achieving on the ground?. <b>2018</b> , 32, 134-140	56
1251	The effects of forest restoration on ecosystem carbon in western North America: A systematic review. <b>2018</b> , 429, 625-641	14
1250	Importance of Soils of Agroecosystems for Climate Change Policy. <b>2018</b> , 357-386	2

1249	A Unique Combination of Aerodynamic and Surface Properties Contribute to Surface Cooling in Restored Wetlands of the Sacramento-San Joaquin Delta, California. <b>2018</b> , 123, 2072-2090	22
1248	Bioenergy with carbon capture and storage in a future world. <b>2019</b> , 273-287	
1247	Beyond Net-Zero—A Case for Separate Targets for Emissions Reduction and Negative Emissions. <b>2019</b> , 1,	55
1246	Implementing land-based mitigation to achieve the Paris Agreement in Europe requires food system transformation. <b>2019</b> , 14, 104009	7
1245	New Constraints on Biogenic Emissions using Satellite-Based Estimates of Carbon Monoxide Fluxes. <b>2019</b> ,	
1244	A Holistic View of Soils in Delivering Ecosystem Services in Forests: A Case Study in South Korea. <b>2019</b> , 10, 487	4
1243	Mapping change in biodiversity and ecosystem function research: food webs foster integration of experiments and science policy. <b>2019</b> , 297-322	10
1242	Integrating Typhoon Destructive Potential and Social-Ecological Systems Toward Resilient Coastal Communities. <b>2019</b> , 7, 805-818	13
1241	Declines in insect abundance and diversity: We know enough to act now. <b>2019</b> , 1, e80	64
1240	Climate and Land-Use Change Effects on Soil Carbon Stocks over 150 Years in Wisconsin, USA. <b>2019</b> , 11, 1504	12
1239	Making trees count: Measurement and reporting of agroforestry in UNFCCC national communications of non-Annex I countries. <b>2019</b> , 284, 106569	32
1238	Source or Sink? A comparison of Landfire- and FIA-based estimates of change in aboveground live tree carbon in California forests. <b>2019</b> , 14, 074008	1
1237	Reducing emissions from land use change in Indonesia: An overview. <b>2019</b> , 108, 101979	20
1236	Policy forum: Institutional architecture and activities to reduce emissions from forests in Indonesia. <b>2019</b> , 108, 101980	8
1235	Biophysical potential of crop residues for biochar carbon sequestration, and co-benefits, in Uganda. <b>2019</b> , 29, e01984	6
1234	California's success in the socio-ecological practice of a forest carbon offset credit option to mitigate greenhouse gas emissions. <b>2019</b> , 1, 125-138	1
1233	Natural climate solutions versus bioenergy: Can carbon benefits of natural succession compete with bioenergy from short rotation coppice?. <b>2019</b> , 11, 1283-1297	30
1232	Global restoration opportunities in tropical rainforest landscapes. <b>2019</b> , 5, eaav3223	172

1231	The global tree restoration potential. <b>2019</b> , 365, 76-79	658
1230	Restoring forests as a means to many ends. <b>2019</b> , 365, 24-25	111
1229	Response to Comments on "The global tree restoration potential". <b>2019</b> , 366,	15
1228	Comment on "The global tree restoration potential". <b>2019</b> , 366,	41
1227	Conservation of Tropical Forests in the Anthropocene. <b>2019</b> , 29, R1008-R1020	35
1226	Reviewing Vietnam's Nationally Determined Contribution: A New Perspective Using the Marginal Cost of Abatement. <b>2019</b> , 3,	8
1225	Prolonged exposure to manure from livestock-administered antibiotics decreases ecosystem carbon-use efficiency and alters nitrogen cycling. <b>2019</b> , 22, 2067-2076	12
1224	Soil C Sequestration as a Biological Negative Emission Strategy. <b>2019</b> , 1,	81
1223	Effects of restoration on tree communities and carbon storage in rainforest fragments of the Western Ghats, India. <b>2019</b> , 10, e02860	13
1222	Intact and managed peatland soils as a source and sink of GHGs from 1850 to 2100. <b>2019</b> , 9, 945-947	66
1221	Rainforests Are in Peril, and So Are We. <b>2019</b> , 34, 1063-1064	
1220	Degradation and forgone removals increase the carbon impact of intact forest loss by 626. <b>2019</b> , 5, eaax2546	54
1219	World Scientists' Warning of a Climate Emergency. <b>2019</b> ,	186
1218	The integration of natural capital into development policies. <b>2019</b> , 35, 162-181	10
1217	Drivers of productivity and its temporal stability in a tropical tree diversity experiment. <b>2019</b> , 25, 4257-4272	46
1216	Intact Forests in the United States: Proforestation Mitigates Climate Change and Serves the Greatest Good. <b>2019</b> , 2,	56
1215	Maximizing social benefit from finite energy resource allocation. <b>2019</b> , 9,	1
1214	Experimental Saltwater Intrusion Drives Rapid Soil Elevation and Carbon Loss in Freshwater and Brackish Everglades Marshes. <b>2019</b> , 42, 1868-1881	19

1213	Engaging multiple stakeholders to reconcile climate, conservation and development objectives in tropical landscapes. <b>2019</b> , 238, 108229	32
1212	Restoring natural forests is the best way to remove atmospheric carbon. <b>2019</b> , 568, 25-28	291
1211	Re-defining Sustainability: Living in Harmony with Life on Earth. <b>2019</b> , 1, 86-94	15
1210	Fixing the Climate? How Geoengineering Threatens to Undermine the SDGs and Climate Justice. <b>2019</b> , 62, 29-36	5
1209	A national approach to leverage the benefits of tree planting on public lands. <b>2019</b> , 50, 1-9	9
1208	Data challenges in optimizing biochar-based carbon sequestration. <b>2019</b> , 104, 174-177	22
1207	Reassessing the role of grazing lands in carbon-balance estimations: Meta-analysis and review. <b>2019</b> , 661, 531-542	28
1206	Earth system impacts of the European arrival and Great Dying in the Americas after 1492. <b>2019</b> , 207, 13-36	169
1205	Grounding nature-based climate solutions in sound biodiversity science. <b>2019</b> , 9, 84-87	94
1204	Reimagining energy in the Canadian boreal zone: policy needs to facilitate a successful transition to a low-carbon energy future1. <b>2019</b> , 27, 393-406	10
1203	Food in the Anthropocene: the EAT-Lancet Commission on healthy diets from sustainable food systems. <b>2019</b> , 393, 447-492	2664
1202	Potential for low-cost carbon dioxide removal through tropical reforestation. <b>2019</b> , 9, 463-466	70
1201	Towards more effective integration of tropical forest restoration and conservation. <b>2019</b> , 51, 463-472	19
1200	Assessing resilience to underpin implementation of Land Degradation Neutrality: A case study in the rangelands of western New South Wales, Australia. <b>2019</b> , 100, 37-46	16
1199	High-Resolution Remote Sensing Data as a Boundary Object to Facilitate Interdisciplinary Collaboration. <b>2019</b> , 295-326	3
1198	Pathways to carbon-neutrality for the Australian red meat sector. <b>2019</b> , 175, 13-21	22
1197	Policy measures for sustainable sunflower cropping in EU-MED marginal lands amended by biochar: case study in Tuscany, Italy. <b>2019</b> , 126, 199-210	11
1196	Effects of land use and forest management on soil carbon in the ecoregions of Maryland and adjacent eastern United States. <b>2019</b> , 448, 34-47	8

1195	Land-Management Options for Greenhouse Gas Removal and Their Impacts on Ecosystem Services and the Sustainable Development Goals. <b>2019</b> , 44, 255-286	95
1194	Effects of 21st-century climate, land use, and disturbances on ecosystem carbon balance in California. <b>2019</b> , 25, 3334-3353	15
1193	Losses of mineral soil carbon largely offset biomass accumulation 15 years after whole-tree harvest in a northern hardwood forest. <b>2019</b> , 144, 1-14	9
1192	Climate Action. <b>2019</b> , 1-12	
1191	What drives the future supply of regulating ecosystem services in a mountain forest landscape?. <b>2019</b> , 445, 37-47	38
1190	Reduced water motion enhances organic carbon stocks in temperate eelgrass meadows. <b>2019</b> , 64, 2389-2404	7
1189	A Global Deal For Nature: Guiding principles, milestones, and targets. <b>2019</b> , 5, eaaw2869	238
1188	Look back lest you fail to mark the path ahead. <b>2019</b> , 1, 71-76	1
1187	Securing the climate benefits of stable forests. <b>2019</b> , 19, 845-860	18
1186	Climate change would lead to a sharp acceleration of Central African forests dynamics by the end of the century. <b>2019</b> , 14, 044002	10
1185	Carbon emissions and potential emissions reductions from low-intensity selective logging in southwestern Amazonia. <b>2019</b> , 439, 18-27	19
1184	Natural climate solutions are not enough. <b>2019</b> , 363, 933-934	56
1183	Quantifying and valuing carbon flows and stores in coastal and shelf ecosystems in the UK. <b>2019</b> , 35, 67-76	26
1182	We need both natural and energy solutions to stabilize our climate. <b>2019</b> , 25, 1889-1890	20
1181	Comparative Metagenomics Reveals Enhanced Nutrient Cycling Potential after 2 Years of Biochar Amendment in a Tropical Oxisol. <b>2019</b> , 85,	6
1180	Cropping Systems: Shaping Nature. <b>2019</b> , 401-424	
1179	Bridging practices, institutions, and landscapes through a scale-based approach for research and practice: A case study of a business association in South India. <b>2019</b> , 160, 240-250	2
1178	Carbon emissions from cropland expansion in the United States. <b>2019</b> , 14, 045009	26



1177	Reduced-impact logging for climate change mitigation (RIL-C) can halve selective logging emissions from tropical forests. <b>2019</b> , 438, 255-266	39
1176	Greenhouse gas emissions and net carbon sequestration of the Beijing-Tianjin Sand Source Control Project in China. <b>2019</b> , 225, 163-172	5
1175	Monitoring the structure of forest restoration plantations with a drone-lidar system. <b>2019</b> , 79, 192-198	59
1174	Reduced-impact logging practices reduce forest disturbance and carbon emissions in community managed forests on the Yucatán Peninsula, Mexico. <b>2019</b> , 437, 396-410	14
1173	Selective logging emissions and potential emission reductions from reduced-impact logging in the Congo Basin. <b>2019</b> , 437, 360-371	15
1172	The mutual dependence of negative emission technologies and energy systems. <b>2019</b> , 12, 1805-1817	74
1171	Achievement of Paris climate goals unlikely due to time lags in the land system. <b>2019</b> , 9, 203-208	44
1170	Forest age improves understanding of the global carbon sink. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 3962-3964	11.5 18
1169	Intensive silviculture enhances biomass accumulation and tree diversity recovery in tropical forest restoration. <b>2019</b> , 29, e01847	34
1168	The effectiveness of lidar remote sensing for monitoring forest cover attributes and landscape restoration. <b>2019</b> , 438, 34-43	42
1167	The Role and Need for Space-Based Forest Biomass-Related Measurements in Environmental Management and Policy. <b>2019</b> , 40, 757-778	39
1166	Determining a Carbon Reference Level for a High-Forest-Low-Deforestation Country. <b>2019</b> , 10, 1095	4
1165	The Dilemma of Maintaining Intact Forest Through Certification. <b>2019</b> , 2,	1
1164	From Zero to Hero?: Why Integrated Assessment Modeling of Negative Emissions Technologies Is Hard and How We Can Do Better. <b>2019</b> , 1,	33
1163	Policy Perspective on the Role of Forest Sector Modeling. <b>2019</b> , 34, 187-204	2
1162	Determining the effect of exogenous organic materials on spatial distribution of maize yield. <b>2019</b> , 9, 19883	2
1161	Engineered CO2 Removal, Climate Restoration, and Humility. <b>2019</b> , 1,	12
1160	State of the Art Methods to Project Forest Carbon Stocks. <b>2019</b> , 34, 1-5	2

1159	Climate change effects on plant-soil feedbacks and consequences for biodiversity and functioning of terrestrial ecosystems. <b>2019</b> , 5, eaaz1834		98
1158	Navigating transformation of biodiversity and climate. <b>2019</b> , 5, eaba0969		2
1157	Optimizing Forest Management Stabilizes Carbon Under Projected Climate and Wildfires. <b>2019</b> , 124, 3075-3087		8
1156	The technological and economic prospects for CO utilization and removal. <b>2019</b> , 575, 87-97		479
1155	Biodiversity's contributions to sustainable development. <b>2019</b> , 2, 1083-1093		52
1154	Strategic Insights for Capacity Development on Forest Landscape Restoration: Implications for Addressing Global Commitments. <b>2019</b> , 12, 194008291988758		10
1153	Potentials, Limitations, Co-Benefits, and Trade-Offs of Biochar Applications to Soils for Climate Change Mitigation. <b>2019</b> , 8, 179		34
1152	Persistent fossil fuel growth threatens the Paris Agreement and planetary health. <b>2019</b> , 14, 121001		76
1151	Contribution of the land sector to a 1.5 °C world. <b>2019</b> , 9, 817-828		150
1150	Water limitations to large-scale desert agroforestry projects for carbon sequestration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 24925-24926	11.5	12
1149	New constraints on biogenic emissions using satellite-based estimates of carbon monoxide fluxes. <b>2019</b> , 19, 13569-13579		9
1148	Measuring the success of climate change adaptation and mitigation in terrestrial ecosystems. <b>2019</b> , 366,		44
1147	Ensuring Co-benefits for Biodiversity, Climate Change and Sustainable Development. <b>2019</b> , 151-166		7
1146	Nonlocal Effects Dominate the Global Mean Surface Temperature Response to the Biogeophysical Effects of Deforestation. <b>2019</b> , 46, 745-755		37
1145	The physics and ecology of mining carbon dioxide from the atmosphere by ecosystems. <b>2018</b> , 25, 1191		72
1144	Near-future forest vulnerability to drought and fire varies across the western United States. <b>2019</b> , 25, 290-303		42
1143	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. <b>2019</b> , 93, 189-199		40
1142	Adoption Constraints for Small-scale Agroforestry-based Biofuel Systems in India. <b>2019</b> , 157, 27-39		9

1141	An ecosystem risk assessment of temperate and tropical forests of the Americas with an outlook on future conservation strategies. <b>2019</b> , 12, e12623	28
1140	Larger gains from improved management over sparing for tropical forests. <b>2019</b> , 2, 53-61	30
1139	Use tropical forests or lose them. <b>2019</b> , 2, 12-13	3
1138	How much can forests fight climate change?. <b>2019</b> , 565, 280-282	61
1137	Assessing the effectiveness of Sustainable Land Management for large-scale climate change adaptation. <b>2019</b> , 654, 85-93	14
1136	Targeting carbon dioxide removal in the European Union. <b>2019</b> , 19, 487-494	36
1135	From Paris to practice: sustainable implementation of renewable energy goals. <b>2019</b> , 14, 024013	24
1134	Managing for soil carbon sequestration: Let's get realistic. <b>2019</b> , 25, 386-389	81
1133	The full carbon balance of a rewetted cropland fen and a conservation-managed fen. <b>2019</b> , 269, 1-12	10
1132	Effect of microsite quality and species composition on tree growth: A semi-empirical modeling approach. <b>2019</b> , 432, 534-545	14
1131	Demographic costs and benefits of natural regeneration during tropical forest restoration. <b>2019</b> , 22, 34-44	14
1130	Production, restoration, mitigation: a new generation of plantations. <b>2019</b> , 50, 153-168	32
1129	Plant trees for the planet: the potential of forests for climate change mitigation and the major drivers of national forest area. <b>2020</b> , 25, 519-536	3
1128	Wildlife Insights: A Platform to Maximize the Potential of Camera Trap and Other Passive Sensor Wildlife Data for the Planet. <b>2020</b> , 47, 1-6	32
1127	Advances and challenges of life cycle assessment (LCA) of greenhouse gas removal technologies to fight climate changes. <b>2020</b> , 244, 118896	40
1126	How eddy covariance flux measurements have contributed to our understanding of Global Change Biology. <b>2020</b> , 26, 242-260	93
1125	Characterising the biophysical, economic and social impacts of soil carbon sequestration as a greenhouse gas removal technology. <b>2020</b> , 26, 1085-1108	44
1124	Land-use alters the temperature response of microbial carbon-use efficiency in soils: a consumption-based approach. <b>2020</b> , 140, 107639	8

1123	Assessing negative carbon dioxide emissions from the perspective of a national fair share of the remaining global carbon budget. <b>2020</b> , 25, 579-602	7
1122	Carbon sequestration potential through conservation agriculture in Africa has been largely overestimated. <b>2020</b> , 196, 104300	9
1121	Negative Emissions From Stopping Deforestation and Forest Degradation. <b>2020</b> , 226-236	
1120	Greenhouse gas fluxes and mitigation potential for managed lands in the Russian Federation. <b>2020</b> , 25, 661-687	7
1119	Effect of Drought-Induced Salinization on Wetland Methane Emissions, Gross Ecosystem Productivity, and Their Interactions. <b>2020</b> , 23, 675-688	12
1118	Global change biology: A primer. <b>2020</b> , 26, 3-30	59
1117	How afforestation affects the water cycle in drylands: A process-based comparative analysis. <b>2020</b> , 26, 944-959	43
1116	Which practices co-deliver food security, climate change mitigation and adaptation, and combat land degradation and desertification?. <b>2020</b> , 26, 1532-1575	75
1115	Afforestation for climate change mitigation: Potentials, risks and trade-offs. <b>2020</b> , 26, 1576-1591	70
1114	Negative carbon dioxide emissions. <b>2020</b> , 73, 44-51	16
1113	Neighbourhood diversity mitigates drought impacts on tree growth. <b>2020</b> , 108, 865-875	17
1112	Conceiving resilience: Lexical shifts and proximal meanings in the human-centered natural and built environment literature from 1990 to 2018. <b>2020</b> , 1, 100003	10
1111	Importance of Indigenous Peoples' lands for the conservation of Intact Forest Landscapes. <b>2020</b> , 18, 135-140	61
1110	Decision making in contexts of deep uncertainty - An alternative approach for long-term climate policy. <b>2020</b> , 103, 77-84	29
1109	Unnatural climate solutions?. <b>2020</b> , 10, 98-99	18
1108	Intertwined effects of climate and land use change on environmental dynamics and carbon accumulation in a mangrove-fringed coastal lagoon in Java, Indonesia. <b>2020</b> , 26, 1414-1431	15
1107	Characteristics, drivers and feedbacks of global greening. <b>2020</b> , 1, 14-27	316
1106	Greater stability of carbon capture in species-rich natural forests compared to species-poor plantations. <b>2020</b> , 15, 034011	27

1105	Local biophysical effects of land use and land cover change: towards an assessment tool for policy makers. <b>2020</b> , 91, 104382	33
1104	Technoeconomic and life-cycle analysis of single-step catalytic conversion of wet ethanol into fungible fuel blendstocks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 12576-12583	11.5 17
1103	The overlooked spatial dimension of climate-smart agriculture. <b>2020</b> , 26, 1045-1054	10
1102	Carbon sequestration and biodiversity co-benefits of preserving forests in the western United States. <b>2020</b> , 30, e02039	29
1101	The hidden potential of saprotrophic fungi in arable soil: Patterns of short-term stimulation by organic amendments. <b>2020</b> , 147, 103434	33
1100	Assessing Carbon Capture: Public Policy, Science, and Societal Need. <b>2020</b> , 5, 1	10
1099	Distribution Models of Timber Species for Forest Conservation and Restoration in the Andean-Amazonian Landscape, North of Peru. <b>2020</b> , 12, 7945	6
1098	Variable Impacts of Climate Change on Blue Carbon. <b>2020</b> , 3, 195-211	40
1097	Secondary forests offset less than 10% of deforestation-mediated carbon emissions in the Brazilian Amazon. <b>2020</b> , 26, 7006-7020	17
1096	Comparison of carbon sequestration efficacy between artificial photosynthetic carbon dioxide conversion and timberland reforestation. <b>2020</b> , 7, 1	4
1095	An unexpectedly large count of trees in the West African Sahara and Sahel. <b>2020</b> , 587, 78-82	77
1094	Area-based conservation in the twenty-first century. <b>2020</b> , 586, 217-227	146
1093	Global targets that reveal the social-ecological interdependencies of sustainable development. <b>2020</b> , 4, 1011-1019	45
1092	Mapping pervasive selective logging in the south-west Brazilian Amazon 2000-2019. <b>2020</b> , 15, 094057	6
1091	Global reforestation and biodiversity conservation. <b>2020</b> , 34, 1221-1228	18
1090	Functional Representation of Biological Components in Methane-Cycling Processes in Wetlands Improves Modeling Predictions. <b>2020</b> , 125, e2020JG005794	1
1089	Protected-area planning in the Brazilian Amazon should prioritize additionality and permanence, not leakage mitigation. <b>2020</b> , 248, 108673	4
1088	Why Forests Matter?. <b>2020</b> , 33-58	

1087	Global assessment of critical forest and landscape restoration needs for threatened terrestrial vertebrate species. <b>2020</b> , 24, e01359	1
1086	Evaluating the Untapped Potential of U.S. Conservation Investments to Improve Soil and Environmental Health. <b>2020</b> , 4,	4
1085	Surplus and stress control autumn timing. <b>2020</b> , 370, 1030-1031	4
1084	Mitigation Impact of Different Harvest Scenarios of Finnish Forests That Account for Albedo, Aerosols, and Trade-Offs of Carbon Sequestration and Avoided Emissions. <b>2020</b> , 3,	12
1083	The economic costs of planting, preserving, and managing the world's forests to mitigate climate change. <b>2020</b> , 11, 5946	19
1082	Toward sustainable and just forest recovery: research gaps and potentials for knowledge integration. <b>2020</b> , 3, 680-690	8
1081	Ecosystem Impacts and Productive Capacity of a Multi-Species Pastured Livestock System. <b>2020</b> , 4,	17
1080	The Global Carbon and Oxygen Cycles. <b>2020</b> , 453-481	
1079	Dynamic Stability of Soil Carbon: Reassessing the Permanence of Soil Carbon Sequestration. <b>2020</b> , 8,	15
1078	Evaluating optimal solutions to environmental breakdown. <b>2020</b> , 112, 340-347	2
1077	Co-Creating Conceptual and Working Frameworks for Implementing Forest and Landscape Restoration Based on Core Principles. <b>2020</b> , 11, 706	21
1076	Comparing publicly available databases to evaluate soil organic carbon in Maine, USA. <b>2020</b> , 84, 1722-1736	0
1075	Harvest Intensity Effects on Carbon Stocks and Biodiversity Are Dependent on Regional Climate in Douglas-Fir Forests of British Columbia. <b>2020</b> , 3,	4
1074	Interaction of Biochar Type and Rhizobia Inoculation Increases the Growth and Biological Nitrogen Fixation of Robinia pseudoacacia Seedlings. <b>2020</b> , 11, 711	6
1073	Achieving Quality Forest and Landscape Restoration in the Tropics. <b>2020</b> , 11, 820	14
1072	Modeling market-level effects of disturbance risks in age structured forests. <b>2020</b> , 118, 102254	1
1071	Response of Soil Moisture to Rainfall Event in Black Locust Plantations at Different Stages of Restoration in Hilly-gully Area of the Loess Plateau, China. <b>2020</b> , 30, 427-445	3
1070	Economic and social constraints on reforestation for climate mitigation in Southeast Asia. <b>2020</b> , 10, 842-844	25

- 1069 Improving rural health care reduces illegal logging and conserves carbon in a tropical forest. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 28515-28524<sup>11.5</sup> 9
- 1068 The future of carbon dioxide removal must be transdisciplinary. **2020**, 10, 20200038 2
- 1067 The impact of occasional drought periods on vegetation spread and greenhouse gas exchange in rewetted fens. **2020**, 375, 20190685 10
- 1066 Let more big fish sink: Fisheries prevent blue carbon sequestration-half in unprofitable areas. **2020**, 6, 26
- 1065 Montane forest productivity across a semiarid climatic gradient. **2020**, 26, 6945-6958 7
- 1064 A "Global Safety Net" to reverse biodiversity loss and stabilize Earth's climate. **2020**, 6, 65
- 1063 Mapping carbon accumulation potential from global natural forest regrowth. **2020**, 585, 545-550 104
- 1062 Advancing nature-based approaches to address the biodiversity and climate emergency. **2020**, 23, 1729-1732 13
- 1061 Carbon stocks in riparian buffer systems at sites differing in soil texture, vegetation type and age compared to adjacent agricultural fields in southern Ontario, Canada. **2020**, 304, 107149 5
- 1060 Burning embers: towards more transparent and robust climate-change risk assessments. **2020**, 1, 516-529 14
- 1059 Lessons for Jurisdictional Approaches From Municipal-Level Initiatives to Halt Deforestation in the Brazilian Amazon. **2020**, 3, 7
- 1058 Making Way for Trees? Changes in Land-Use, Habitats and Protected Areas in Great Britain under Global Tree Restoration Potential **2020**, 12, 5845 2
- 1057 Negative emissions and the long history of carbon removal. **2020**, 11, e671 45
- 1056 Climate action requires new accounting guidance and governance frameworks to manage carbon in shelf seas. **2020**, 11, 4599 15
- 1055 Pitfalls of Tree Planting Show Why We Need People-Centered Natural Climate Solutions. **2020**, 12
- 1054 Protection gaps and restoration opportunities for primary forests in Europe. **2020**, 26, 1646-1662 24
- 1053 Variation in Tree Growth along Soil Formation and Microtopographic Gradients in Riparian Forests. **2020**, 40, 1909-1922 3
- 1052 Community Forestry in Liberia. **2020**, 354-375

1051	Carbon Storage Potential of Silvopastoral Systems of Colombia. <b>2020</b> , 9, 309	6
1050	Mapping the effectiveness of nature-based solutions for climate change adaptation. <b>2020</b> , 26, 6134-6155	90
1049	Implications of Temperate Agroforestry on Sheep and Cattle Productivity, Environmental Impacts and Enterprise Economics. A Systematic Evidence Map. <b>2020</b> , 11, 1321	6
1048	Identifying Agricultural Frontiers for Modeling Global Cropland Expansion. <b>2020</b> , 3, 504-514	10
1047	Food for thought: The underutilized potential of tropical tree-sourced foods for 21st century sustainable food systems. <b>2020</b> , 2, 1006-1020	16
1046	Rethinking zero deforestation beyond 2020 to more equitably and effectively conserve tropical forests. <b>2020</b> , 3, 714-726	4
1045	Parameter Localization of Greenhouse Gas Value Model and Greenhouse Gas Storage Simulation for Forest Ecosystems in China. <b>2020</b> , 11, 1150	0
1044	Forest Certification and Forest Use. <b>2020</b> , 59-107	
1043	Tackling Gender Inequality through Forest-Related Policies and Programmes. <b>2020</b> , 167-196	
1042	Forestry Crimes and Our Planet. <b>2020</b> , 197-230	
1041	Forest Bioeconomy Development. <b>2020</b> , 231-258	
1040	The Wicked Problems of Indonesia's Forests Require Effective Institutions to Resolve Difficult Trade-Offs. <b>2020</b> , 261-277	
1039	Power to the Forest People. <b>2020</b> , 278-300	
1038	How Are Land-Use Multi-stakeholder Fora Affected by Their Contexts?. <b>2020</b> , 301-327	1
1037	Sustainable Landscape Investment. <b>2020</b> , 328-353	
1036	Are Some Forestry Problems Too Wicked?. <b>2020</b> , 376-383	
1035	Index. <b>2020</b> , 384-400	
1034	New Approaches for Ecological and Social Sustainability in a Post-Pandemic World. <b>2020</b> , 1, 191-204	15



1033	Large Trees Dominate Carbon Storage in Forests East of the Cascade Crest in the United States Pacific Northwest. <b>2020</b> , 3,	14
1032	REDD+ Meets Local Realities. <b>2020</b> , 108-138	
1031	Have Payments for Ecosystem Services Delivered for the Rural Poor?. <b>2020</b> , 139-166	
1030	The Wicked Problem of Forest Policy. <b>2020</b> , 1-30	
1029	Predicting greenhouse gas benefits of improved nitrogen management in North American maize. <b>2020</b> , 49, 882-895	1
1028	Models at the Service of Marine Nature-based Solutions. <b>2020</b> , 152-209	
1027	Work Adaptations Insufficient to Address Growing Heat Risk for U.S. Agricultural Workers. <b>2020</b> , 15,	14
1026	Natural Climate Solutions Could Speed Up Mitigation, With Risks. Additional Options Are Needed.. <b>2020</b> , 8, e2019EF001310	6
1025	Carbon sequestration and nutrient cycling in agroforestry systems on degraded soils of Eastern Amazon, Brazil. <b>2020</b> , 94, 1781-1792	1
1024	A double win: new pathways to reduce greenhouse gas emissions and improve water quality in New Zealand. <b>2020</b> , 15, 074004	2
1023	The role of forest conversion, degradation, and disturbance in the carbon dynamics of Amazon indigenous territories and protected areas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 3015-3025	11.5 63
1022	Tree planting is not a simple solution. <b>2020</b> , 368, 580-581	135
1021	Syngas Evolution from CO Electroreduction by Porous Au Nanostructures. <b>2020</b> , 3, 4658-4668	14
1020	Today's protected areas: supporting a more sustainable future for humanity. <b>2020</b> , 15, 603-616	1
1019	Evidence of non-stationary relationships between climate and forest responses: Increased sensitivity to climate change in Iberian forests. <b>2020</b> , 26, 5063-5076	20
1018	Policy persistence: REDD+ between stabilization and contestation. <b>2020</b> , 27,	12
1017	Economic, land use, and ecosystem services impacts of Rwanda's Green Growth Strategy: An application of the IEEM+ESM platform. <b>2020</b> , 729, 138779	10
1016	Above-ground carbon stocks and timber value of old timber plantations, secondary and primary forests in southern Ghana. <b>2020</b> , 472, 118236	13

1015	Declining human pressure and opportunities for rewilding in the steppes of Eurasia. <b>2020</b> , 26, 1058-1070	5
1014	Impacts of Chilean forest subsidies on forest cover, carbon and biodiversity. <b>2020</b> , 3, 701-709	58
1013	The long-term effects of active management and landscape characteristics on carbon accumulation and diversity within a seasonal dry tropical ecosystem. <b>2020</b> , 473, 118296	6
1012	Neighbourhood-mediated shifts in tree biomass allocation drive overyielding in tropical species mixtures. <b>2020</b> , 228, 1256-1268	21
1011	Measuring the net benefits of payments for hydrological services programs in Mexico. <b>2020</b> , 175, 106666	4
1010	Revisiting the land use assumptions in forest carbon projects through a case from India. <b>2020</b> , 267, 110673	2
1009	A conservation science agenda for a changing Upper Midwest and Great Plains, United States. <b>2020</b> , 2, e236	3
1008	Economic valuation of ecosystem services from secondary tropical forests: trade-offs and implications for policy making. <b>2020</b> , 473, 118294	26
1007	Climate-driven risks to the climate mitigation potential of forests. <b>2020</b> , 368,	131
1006	Decadal variation in CO <sub>2</sub> fluxes and its budget in a wheat and maize rotation cropland over the North China Plain. <b>2020</b> , 17, 2245-2262	11
1005	The value of habitats of conservation importance to climate change mitigation in the UK. <b>2020</b> , 248, 108619	2
1004	Equity in allocating carbon dioxide removal quotas. <b>2020</b> , 10, 640-646	44
1003	Farmer Livelihood Strategies and Attitudes in Response to Climate Change in Agroforestry Systems in Kedougou, Senegal. <b>2020</b> , 66, 218-231	5
1002	Forest Cover Change, Households' Livelihoods, Trade-Offs, and Constraints Associated with Plantation Forests in Poor Upland-Rural Landscapes: Evidence from North Central Vietnam. <b>2020</b> , 11, 548	14
1001	Pathways to persistence: plant root traits alter carbon accumulation in different soil carbon pools. <b>2020</b> , 452, 457-478	3
1000	Land use dynamics within the tallgrass prairie ecosystem: the case for the Conservation Reserve Program (CRP). <b>2020</b> , 13, 289-300	
999	The role of soil carbon in natural climate solutions. <b>2020</b> , 3, 391-398	130
998	REDD+ in Theory and Practice: How Lessons From Local Projects Can Inform Jurisdictional Approaches. <b>2020</b> , 3,	12

997	Understanding the importance of primary tropical forest protection as a mitigation strategy. <b>2020</b> , 25, 763-787	61
996	An agronomic overview of US cereal cropping systems. <b>2020</b> , 39-71	
995	Partnerships to Take on Climate Change: Adaptation Forestry and Conifer Strongholds Projects in the Northwoods, Minnesota, USA. <b>2020</b> , 118, 219-232	1
994	Renewable energy development threatens many globally important biodiversity areas. <b>2020</b> , 26, 3040-3051	52
993	Biosolids and ecosystem services: Making the connection explicit. <b>2020</b> , 14, 51-55	2
992	Soil Biodiversity Integrates Solutions for a Sustainable Future. <b>2020</b> , 12, 2662	32
991	Protecting irrecoverable carbon in Earth's ecosystems. <b>2020</b> , 10, 287-295	73
990	The fate of tropical forest fragments. <b>2020</b> , 6, eaax8574	55
989	Temporal physicochemical changes and transformation of biochar in a rice paddy: Insights from a 9-year field experiment. <b>2020</b> , 721, 137670	28
988	Assessment of Sectoral Greenhouse Gas Emission Reduction Potentials for 2030. <b>2020</b> , 13, 943	10
987	Seed Networks for Upscaling Forest Landscape Restoration: Is It Possible to Expand Native Plant Sources in Brazil?. <b>2020</b> , 11, 259	13
986	Opportunities and Challenges for Hurricane Resilience on Agricultural and Forest Land in the U.S. Southeast and Caribbean. <b>2020</b> , 12, 1364	3
985	Use It Sustainably or Lose It! The Land Stakes in SDGs for Sub-Saharan Africa. <b>2020</b> , 9, 63	5
984	Tree restoration and ecosystem carbon storage in an acid and metal impacted landscape: Chronosequence and resampling approaches. <b>2020</b> , 463, 118012	3
983	No tillage increases soil organic carbon storage and decreases carbon dioxide emission in the crop residue-returned farming system. <b>2020</b> , 261, 110261	24
982	The Rio Branco Declaration: Assessing Progress Toward a Near-Term Voluntary Deforestation Reduction Target in Subnational Jurisdictions Across the Tropics. <b>2020</b> , 3,	4
981	German Energy and Decarbonization Scenarios: Blind Spots With Respect to Biomass-Based Carbon Removal Options. <b>2020</b> , 8,	2
980	Climate Change, Rangelands, and Sustainability of Ranching in the Western United States. <b>2020</b> , 12, 4942	15

979	A Systems Approach to Municipal Water Portfolio Security: A Case Study of the Phoenix Metropolitan Area. <b>2020</b> , 12, 1663	1
978	A lesson unlearned? Underestimating tree cover in drylands biases global restoration maps. <b>2020</b> , 26, 4679-4690	13
977	From blue to green water and back again: Promoting tree, shrub and forest-based landscape resilience in the Sahel. <b>2020</b> , 739, 140002	8
976	Greening the Post-pandemic Recovery in the G20. <b>2020</b> , 76, 1-19	75
975	Primary Forests Are Undervalued in the Climate Emergency. <b>2020</b> , 70, 445-445	5
974	Climate Change and Forests. <b>2020</b> , 12, 23-43	4
973	A systematic review of the evidence on decoupling of GDP, resource use and GHG emissions, part II: synthesizing the insights. <b>2020</b> , 15, 065003	144
972	Incorporating natural habitats into coastal risk assessment frameworks. <b>2020</b> , 106, 99-110	11
971	A regional assessment of land-based carbon mitigation potentials: Bioenergy, BECCS, reforestation, and forest management. <b>2020</b> , 12, 346-360	5
970	30% land conservation and climate action reduces tropical extinction risk by more than 50%. <b>2020</b> , 43, 943-953	46
969	Creativity, Problem Solving, and Aesthetics in Engineering. <b>2020</b> ,	7
968	Greenhouse gas implications of mobilizing agricultural biomass for energy: a reassessment of global potentials in 2050 under different food-system pathways. <b>2020</b> , 15, 034066	15
967	Unmasking secondary vegetation dynamics in the Brazilian Amazon. <b>2020</b> , 15, 034057	28
966	Fostering natural forest regeneration on former agricultural land through economic and policy interventions. <b>2020</b> , 15, 043002	50
965	Forest Management for Carbon Sequestration and Climate Adaptation. <b>2020</b> , 118, 86-101	35
964	Modeling and empirical validation of long-term carbon sequestration in forests (France, 1850-2015). <b>2020</b> , 26, 2421	16
963	Coproducing Science to Inform Working Lands: The Next Frontier in Nature Conservation. <b>2020</b> , 70, 90-96	8
962	Forest Contribution to Climate Change Mitigation: Management Oriented to Carbon Capture and Storage. <b>2020</b> , 8, 21	28

961	Challenges in delivering climate change policy through land use targets for afforestation and peatland restoration. <b>2020</b> , 107, 36-45	22
960	Empirical Evidence for the Potential Climate Benefits of Decarbonizing Light Vehicle Transport in the U.S. with Bioenergy from Purpose-Grown Biomass with and without BECCS. <b>2020</b> , 54, 2961-2974	24
959	Adopt a carbon tax to protect tropical forests. <b>2020</b> , 578, 213-216	24
958	Conservation must capitalise on climate's moment. <b>2020</b> , 11, 109	18
957	Advancing Coral Reef Governance into the Anthropocene. <b>2020</b> , 2, 64-74	43
956	Strategic Corporate Conservation Planning. <b>2020</b> ,	0
955	How feasible are global forest restoration commitments?. <b>2020</b> , 13, e12700	42
954	Mitigation of ozone damage to the world's land ecosystems by source sector. <b>2020</b> , 10, 134-137	17
953	Climate change and ecosystems: threats, opportunities and solutions. <b>2020</b> , 375, 20190104	111
952	Understanding the value and limits of nature-based solutions to climate change and other global challenges. <b>2020</b> , 375, 20190120	254
951	Climate change mitigation and nature conservation both require higher protected area targets. <b>2020</b> , 375, 20190121	22
950	Pleistocene Arctic megafaunal ecological engineering as a natural climate solution?. <b>2020</b> , 375, 20190122	16
949	Trophic rewilding presents regionally specific opportunities for mitigating climate change. <b>2020</b> , 375, 20190125	10
948	National mitigation potential from natural climate solutions in the tropics. <b>2020</b> , 375, 20190126	77
947	Mapping co-benefits for carbon storage and biodiversity to inform conservation policy and action. <b>2020</b> , 375, 20190128	45
946	Agricultural lands key to mitigation and adaptation-Response. <b>2020</b> , 367, 518-519	4
945	Partial river flow recovery with forest age is rare in the decades following establishment. <b>2020</b> , 26, 1458-1473	13
944	Quantifying spatial supply-demand mismatches in ecosystem services provides insights for land-use planning. <b>2020</b> , 94, 104493	48

943	Biogeophysical impacts of forestation in Europe: first results from the LUCAS (Land Use and Climate Across Scales) regional climate model intercomparison. <b>2020</b> , 11, 183-200	27
942	Wood cellulose as a hydrogen storage material. <b>2020</b> , 45, 14907-14914	3
941	The Catch-22 of Representation of Women in the Forest Sector: The Perspective of Student Leaders in Top Global Forestry Universities. <b>2020</b> , 11, 419	4
940	Potential greenhouse gas reductions from Natural Climate Solutions in Oregon, USA. <b>2020</b> , 15, e0230424	11
939	Tree diversity promotes growth of late successional species despite increasing deer damage in a restored forest. <b>2020</b> , 101, e03063	3
938	Tracking national sustainability of critical natural capital and the socioeconomic drivers in the context of the Belt and Road Initiative. <b>2020</b> , 114, 106315	10
937	Climate-Smart Forestry: the missing link. <b>2020</b> , 115, 102164	49
936	Outgoing Near-Infrared Radiation From Vegetation Scales With Canopy Photosynthesis Across a Spectrum of Function, Structure, Physiological Capacity, and Weather. <b>2020</b> , 125, e2019JG005534	32
935	Large climate mitigation potential from adding trees to agricultural lands. <b>2020</b> , 26, 4357-4365	26
934	Harmonized global maps of above and belowground biomass carbon density in the year 2010. <b>2020</b> , 7, 112	61
933	Carbon metabolic rates and GHG emissions in different wetland types of the Ebro Delta. <b>2020</b> , 15, e0231713	7
932	Optimal forest rotation under carbon pricing and forest damage risk. <b>2020</b> , 115, 102131	7
931	Framework Species Approach Proves Robust in Restoring Forest on Fire Prone Invasive Grass: A Case Study from Panama. <b>2021</b> , 40, 197-215	3
930	Monitoring tropical forest succession at landscape scales despite uncertainty in Landsat time series. <b>2021</b> , 31, e02208	5
929	Soil-plant-atmosphere interactions: structure, function, and predictive scaling for climate change mitigation. <b>2021</b> , 461, 5-27	18
928	The Berlin principles on one health - Bridging global health and conservation. <b>2021</b> , 764, 142919	24
927	Mapping global forest canopy height through integration of GEDI and Landsat data. <b>2021</b> , 253, 112165	126
926	Restoration of retired agricultural land to wetland mitigates greenhouse gas emissions. <b>2021</b> , 29, e13314	3

925	Incentives Influencing Tree Planting in the Albertine Rift Region, Uganda. <b>2021</b> , 40, 558-572	0
924	Developing holistic models of the structure and function of the soil/plant/atmosphere continuum. <b>2021</b> , 461, 29-42	4
923	Mitigation strategies to enhance carbon sink potential in climate vulnerable districts of Eastern India. <b>2021</b> , 13, 360-373	
922	Soil organic carbon stocks in an investigated watershed transect linked to ecological restoration practices on the Loess Plateau. <b>2021</b> , 32, 1148-1163	5
921	Determining the insurance value of ecosystems: A discrete choice study on natural hazard protection by forests. <b>2021</b> , 180, 106866	5
920	The role of soil in defining planetary boundaries and the safe operating space for humanity. <b>2021</b> , 146, 106245	10
919	Variable demand as a means to more sustainable biofuels and biobased materials. <b>2021</b> , 15, 15-31	3
918	Temperate mire fluctuations from carbon sink to carbon source following changes in water table. <b>2021</b> , 756, 144071	6
917	Methane and carbon dioxide emissions from different ecosystems at the end of dry period in South Vietnam. <b>2021</b> , 62, 1-16	1
916	Headwater stream ecosystem: an important source of greenhouse gases to the atmosphere. <b>2021</b> , 190, 116738	8
915	Expert assessment of future vulnerability of the global peatland carbon sink. <b>2021</b> , 11, 70-77	56
914	Afforestation of a pasture in Norway did not result in higher soil carbon, 50 years after planting. <b>2021</b> , 207, 104007	4
913	Forest structure and biomass in post-agricultural forests: Lessons learned with new spatial tools. <b>2021</b> , 24,	
912	Delayed impact of natural climate solutions. <b>2021</b> , 27, 215-217	6
911	Managing Land-based CDR: BECCS, Forests and Carbon Sequestration. <b>2021</b> , 12, 45-56	5
910	The importance of nitrogen for net carbon sequestration when considering natural climate solutions. <b>2021</b> , 27, 218-219	5
909	Carbon-dioxide Removal and Biodiversity: A Threat Identification Framework. <b>2021</b> , 12, 34-44	5
908	The carbon opportunity cost of animal-sourced food production on land. <b>2021</b> , 4, 21-24	35

907	The cost of restoring carbon stocks in Brazil's Atlantic Forest. <b>2021</b> , 32, 830-841	5
906	Tree Diversity and Forest Resistance to Insect Pests: Patterns, Mechanisms, and Prospects. <b>2021</b> , 66, 277-296	28
905	Integrating climate, biodiversity, and sustainable land-use strategies: innovations from China. <b>2021</b> , 8, nwaal39	9
904	Ecological restoration impact on total terrestrial water storage. <b>2021</b> , 4, 56-62	37
903	Nature-Based-Solutions Applied to the Built Environment to Alleviate Climate Change: Benefits, Co-Benefits, and Trade-offs in a Geographical Multi-Scale Perspective. <b>2021</b> , 1-52	
902	Soil Health in Urban Protected Areas and Pathways for Sustainable Development. <b>2021</b> , 576-584	
901	Litigating Climate Change in Bolivian National Courts. <b>2021</b> , 259-276	
900	Multi-Source Distributed Energy Resources Management System Based on Pattern Search Optimal Solution Using Nonlinearized Power Flow Constraints. <b>2021</b> , 9, 30374-30385	2
899	Diversity, Ecology, and Conservation of Mauritius Orchids. <b>2021</b> , 1-27	
898	Unleashing traditional ecological knowledge for biodiversity conservation and resilience to climate change in Rwanda. 1-12	1
897	Peat deposits store more carbon than trees in forested peatlands of the boreal biome. <b>2021</b> , 11, 2657	12
896	Are the SDGs Sufficient?. <b>2021</b> , 175-198	
895	Sustainable Use of the Environment, Planetary Boundaries and Market Power. <b>2021</b> , 13, 949	1
894	Future Food Systems. <b>2021</b> , 1-29	
893	The role of forests in the carbon cycle and in climate change. <b>2021</b> , 561-579	0
892	Economic and land use impacts of net zero-emission target in New Zealand. 1-18	3
891	Tier 2 above-ground biomass expansion functions for South African plantation forests. <b>2021</b> , 83, 69-78	
890	Using Inclusive Finance to Significantly Scale Climate Change Adaptation. <b>2021</b> , 2565-2590	



889	Monitoring Key Forest Structure Attributes across the Conterminous United States by Integrating GEDI LiDAR Measurements and VIIRS Data. <b>2021</b> , 13, 442	11
888	Climate adaptation actions for urban forests and human health.	0
887	Welfare Consequences of Sustainable Finance.	
886	Ten bridges on the road to recovering Canada's endangered species. <b>2021</b> , 6, 1088-1127	1
885	Nature-Based Solutions Applied to the Built Environment to Alleviate Climate Change: Benefits, Co-benefits, and Trade-offs in a Geographical Multi-scale Perspective. <b>2021</b> , 1-52	
884	Land-based climate change mitigation potentials within the agenda for sustainable development. <b>2021</b> , 16, 024006	7
883	On the trade-offs and synergies between forest carbon sequestration and substitution. <b>2021</b> , 26, 1	5
882	Public International Funding of Nature-based Solutions for Adaptation: A Landscape Assessment.	1
881	Consideration of Nature-Based Solutions as Offsets in Corporate Climate Change Mitigation Strategies.	2
880	Can liberalised electricity markets support decarbonised portfolios in line with the Paris Agreement? A case study of Central Western Europe. <b>2021</b> , 149, 111987	3
879	Climate impacts of U.S. forest loss span net warming to net cooling. <b>2021</b> , 7,	6
878	Effects of different planting approaches and site conditions on aboveground carbon storage along a 10-year chronosequence after moso bamboo reforestation. <b>2021</b> , 482, 118867	5
877	Beyond 90% capture: Possible, but at what cost?. <b>2021</b> , 105, 103239	32
876	Carbon prospecting in tropical forests for climate change mitigation. <b>2021</b> , 12, 1271	13
875	A forest loss report card for the world's protected areas. <b>2021</b> , 5, 520-529	14
874	Paradigm shifts in forestry and forest research: a bibliometric analysis. <b>2021</b> , 51, 154-162	6
873	Drought years in peatland rewetting: rapid vegetation succession can maintain the net CO <sub>2</sub> sink function. <b>2021</b> , 18, 917-935	4
872	Land resources opportunities for a growing prosperity in the Sahel. <b>2021</b> , 48, 85-92	3

871	Challenges to the Reforestation Pipeline in the United States. <b>2021</b> , 4,	19
870	Pros and cons of using green biotechnology to solve food insecurity and achieve sustainable development goals. <b>2021</b> , 6, 1	0
869	Achieving the climate goal with intergovernmental transfers to the forestry sector: insights from the Indian experience. <b>2021</b> , 164, 1	2
868	High-resolution forest carbon mapping for climate mitigation baselines over the RGGI region, USA. <b>2021</b> , 16, 035011	7
867	Getting the message right on nature-based solutions to climate change. <b>2021</b> , 27, 1518-1546	82
866	Forests of the future: Climate change impacts and implications for carbon storage in the Pacific Northwest, USA. <b>2021</b> , 482, 118886	14
865	Soil organic carbon is not just for soil scientists: measurement recommendations for diverse practitioners. <b>2021</b> , 31, e02290	7
864	Reducing climate impacts of beef production: A synthesis of life cycle assessments across management systems and global regions. <b>2021</b> , 27, 1721-1736	9
863	Basin-scale high-resolution extraction of drainage networks using 10-m Sentinel-2 imagery. <b>2021</b> , 255, 112281	8
862	An Ecosystem-Scale Flux Measurement Strategy to Assess Natural Climate Solutions. <b>2021</b> , 55, 3494-3504	9
861	Natural Climate Solutions for China: The Last Mile to Carbon Neutrality. <b>2021</b> , 38, 889-895	14
860	Agroforestry to Achieve Global Climate Adaptation and Mitigation Targets: Are South Asian Countries Sufficiently Prepared?. <b>2021</b> , 12, 303	13
859	Valuing wetlands. <b>2021</b> , 14, 111-111	5
858	Multifaceted characteristics of dryland aridity changes in a warming world. <b>2021</b> , 2, 232-250	57
857	Cumulative growth and stress responses to the 2018-2019 drought in a European floodplain forest.	2
856	Organic carbon densities and accumulation rates in surface sediments of the North Sea and Skagerrak. <b>2021</b> , 18, 2139-2160	3
855	Carbon Stocks of Hardwood Floodplain Forests along the Middle Elbe: The Influence of Forest Age, Structure, Species, and Hydrological Conditions. <b>2021</b> , 13, 670	2
854	Our future in the Anthropocene biosphere. <b>2021</b> , 50, 834-869	78

853	Protecting the global ocean for biodiversity, food and climate. <b>2021</b> , 592, 397-402	131
852	Global urban reforestation can be an important natural climate solution. <b>2021</b> , 16, 034059	7
851	Warming from tropical deforestation reduces worker productivity in rural communities. <b>2021</b> , 12, 1601	8
850	Carbon Accumulation Potential from Natural Forest Regrowth of Godech Municipality, Western Bulgaria. <b>2021</b> , 31, 192-199	
849	Does Aiming for Long-Term Non-Decreasing Flow of Timber Secure Carbon Accumulation: A Lithuanian Forestry Case. <b>2021</b> , 13, 2778	3
848	Global uncertainties, geoengineering and the technopolitics of planetary crisis management. 1-15	
847	Technologies to deliver food and climate security through agriculture. <b>2021</b> , 7, 250-255	16
846	Alternative afforestation options on sandy heathland result in minimal long-term changes in mineral soil layers. <b>2021</b> , 483, 118906	2
845	Soil amendment improves carbon sequestration by trees on severely damaged acid and metal impacted landscape, but total storage remains low. <b>2021</b> , 483, 118896	6
844	Editorial: Increasing the Ambition of Climate Change Mitigation in Agriculture Whilst Meeting the Sustainable Development Goals (SDGs) and Food Policy Aims. <b>2021</b> , 5,	0
843	High-resolution forest carbon modelling for climate mitigation planning over the RGGI region, USA. <b>2021</b> , 16, 045014	6
842	Bark-dwelling methanotrophic bacteria decrease methane emissions from trees. <b>2021</b> , 12, 2127	18
841	Impacts of REDD+ activities on reduction in greenhouse gas emissions in northern Lao People's Democratic Republic. <b>2021</b> , 26, 278-286	0
840	Competing Processes Drive the Resistance of Soil Carbon to Alterations in Organic Inputs. <b>2021</b> , 9,	2
839	Global forest management, carbon sequestration and bioenergy supply under alternative shared socioeconomic pathways. <b>2021</b> , 103, 105302	11
838	The carbon sequestration potential of Scottish native woodland. <b>2021</b> , 3, 041003	2
837	Linking ocean and climate change governance. <b>2021</b> , 12, e711	1
836	Development of Mine Soils in a Chronosequence of Forestry-Reclaimed Sites in Eastern Kentucky. <b>2021</b> , 11, 422	1

835	An overview of climate change impacts on the society in China. <b>2021</b> , 12, 210-223	7
834	Global assessment of forest quality for threatened terrestrial vertebrate species in need of conservation translocation programs. <b>2021</b> , 16, e0249378	1
833	Synergy between the Convention on Biological Diversity and the UNFCCC in China. <b>2021</b> , 12, 287-295	1
832	Effects of Earth system feedbacks on the potential mitigation of large-scale tropical forest restoration. <b>2021</b> , 18, 2627-2647	8
831	Nature-Based Solutions as a Tool in the New Circular Economic Model for Climate Change Adaptation. <b>2021</b> , 1, 303	41
830	Critical adjustment of land mitigation pathways for assessing countries' climate progress. <b>2021</b> , 11, 425-434	16
829	Global potential and limits of mangrove blue carbon for climate change mitigation. <b>2021</b> , 31, 1737-1743.e3	20
828	It Is Still Possible to Achieve the Paris Climate Agreement: Regional, Sectoral, and Land-Use Pathways. <b>2021</b> , 14, 2103	11
827	Contrasting adaptive strategies by <i>Caragana korshinskii</i> and <i>Salix psammophila</i> in a semiarid revegetated ecosystem. <b>2021</b> , 300, 108323	8
826	Undoing Equivalence: Rethinking Carbon Accounting for Just Carbon Removal. <b>2021</b> , 3,	8
825	Global Warming Potential Is Not an Ecosystem Property. 1	9
824	Revisiting 'Additional Carbon' Tracking Atmosphere-Ecosystem Carbon Exchange to Establish Mitigation and Negative Emissions From Bio-Based Systems. 3,	
823	<i>Bombax ceiba</i> is a Good Native Tree Species for Performing Reforestation to Restore Highly Degraded Tropical Forests in Hainan Island, China. <b>2021</b> , 9,	0
822	Ending animal agriculture would stabilize greenhouse gas levels for 30 years and offset 70 percent of CO2 emissions this century.	0
821	The risk of catastrophic climate change: Future energy implications. <b>2021</b> , 128, 102728	10
820	Land-based emissions. <b>2021</b> , 11, 382-383	4
819	Dynamic global monitoring needed to use restoration of forest cover as a climate solution. <b>2021</b> , 11, 366-368	4
818	Inclusion of forestry offsets in emission trading schemes: insights from global experts. 1	1

817	Integral functions of marine vertebrates in the ocean carbon cycle and climate change mitigation. <b>2021</b> , 4, 680-693	4
816	Spatiotemporal variations of global terrestrial vegetation climate potential productivity under climate change. <b>2021</b> , 770, 145320	4
815	Ageing forests and carbon storage: a case study in boreal balsam fir stands.	0
814	Quantifying and attributing land use-induced carbon emissions to biomass consumption: A critical assessment of existing approaches. <b>2021</b> , 286, 112228	4
813	Maximizing the effectiveness of national commitments to protected area expansion for conserving biodiversity and ecosystem carbon under climate change. <b>2021</b> , 27, 3395-3414	7
812	Quantifying the effects of multiple land management practices, land cover change, and wildfire on the California landscape carbon budget with an empirical model. <b>2021</b> , 16, e0251346	0
811	Piloting a Climate-Change Adaptation Index on US National Forest Lands.	
810	Simulating measurable ecosystem carbon and nitrogen dynamics with the mechanistically defined MEMS 2.0 model. <b>2021</b> , 18, 3147-3171	5
809	Carbon cycling in mature and regrowth forests globally. <b>2021</b> , 16, 053009	10
808	Positive long-term impacts of restoration on soils in an experimental urban forest. <b>2021</b> , 31, e02336	4
807	Forest Restoration in Low- and Middle-Income Countries. <b>2021</b> , 46,	3
806	How trees and forests reduce risks from climate change. <b>2021</b> , 11, 374-377	1
805	An assessment of data sources, data quality and changes in national forest monitoring capacities in the Global Forest Resources Assessment 2005-2020. <b>2021</b> , 16, 054029	12
804	Conflicting portrayals of remaining old growth: the British Columbia case. <b>2021</b> , 51, 742-752	3
803	Pathways for climate resilient development: Human well-being within a safe and just space in the 21st century. <b>2021</b> , 68, 102277	5
802	Opportunities for forest sector emissions reductions: a state-level analysis. <b>2021</b> , 31, e02327	1
801	Modelled land use and land cover change emissions – a spatio-temporal comparison of different approaches. <b>2021</b> , 12, 635-670	10
800	Should tree invasions be used in treeless ecosystems to mitigate climate change?. <b>2021</b> , 19, 334-341	5

799	Evaluating nature-based solutions for climate mitigation and conservation requires comprehensive carbon accounting. <b>2021</b> , 769, 144341	40
798	Climate risks to carbon sequestration in US forests.	1
797	Older Eastern White Pine Trees and Stands Accumulate Carbon for Many Decades and Maximize Cumulative Carbon. <b>2021</b> , 4,	1
796	Models for integrating climate objectives in forest policy: Towards adaptation-first?. <b>2021</b> , 104, 105357	
795	Public Forests Under Threat in the Brazilian Amazon: Strategies for Coping Shifts in Environmental Policies and Regulations. <b>2021</b> , 4,	1
794	Growth and form of giant sequoia ( <i>Sequoiadendron giganteum</i> ) in a plantation spacing trial after 28 years. <b>2021</b> , 488, 119033	2
793	Botanical Monography in the Anthropocene. <b>2021</b> , 26, 433-441	8
792	How do government policies promote greening? Evidence from China. <b>2021</b> , 104, 105389	3
791	Nature-based solutions can help cool the planet - if we act now. <b>2021</b> , 593, 191-194	38
790	Constraints and enablers for increasing carbon storage in the terrestrial biosphere. <b>2021</b> , 2, 436-446	9
789	Five years of whole-soil warming led to loss of subsoil carbon stocks and increased CO efflux. <b>2021</b> , 7,	23
788	Modeling cover crop biomass production and related emissions to improve farm-scale decision-support tools. <b>2021</b> , 191, 103151	3
787	Mapping soil organic carbon stocks and trends with satellite-driven high resolution maps over South Africa. <b>2021</b> , 771, 145384	16
786	Tropical Rainforest Successional Processes can Facilitate Successfully Recovery of Extremely Degraded Tropical Forest Ecosystems Following Intensive Mining Operations. <b>2021</b> , 9,	0
785	Adaptive management of jurisdictional REDD + programs: a methodology illustrated for Ecuador. 1-11	
784	Rainfall frequency and soil water availability regulate soil methane and nitrous oxide fluxes from a native forest exposed to elevated carbon dioxide. <b>2021</b> , 35, 1833-1847	0
783	Regenerating soil, regenerating soul: an integral approach to understanding agricultural transformation. 1	8
782	Carbon Removal as Carbon Revival? Bioenergy, Negative Emissions, and the Politics of Alternative Energy Futures. <b>2021</b> , 3,	2

781	Natural climate solutions for Canada. <b>2021</b> , 7,	23
780	Indicators of site sensitivity to the removal of forest harvest residues at the sub-continental scale: Mapping, comparisons, and challenges. <b>2021</b> , 125, 107516	1
779	Rapid assessment to facilitate climate-informed conservation and nature-based solutions. <b>2021</b> , 3, e472	2
778	Crops for Carbon Farming. <b>2021</b> , 12, 636709	15
777	What climate positive future? Emerging sociotechnical imaginaries of negative emissions in Sweden. <b>2021</b> , 76, 102086	4
776	Regional carbon stock assessment and the potential effects of land cover change. <b>2021</b> , 775, 145815	4
775	Sorbents for the Capture of CO <sub>2</sub> and Other Acid Gases: A Review. <b>2021</b> , 60, 9313-9346	11
774	Implementing the Soil Enrichment Protocol at Scale: Opportunities for an Agricultural Carbon Market. <b>2021</b> , 3,	1
773	Nature-Based Climate Solutions Require Us to Answer the <i>Where</i> and the <i>Who</i> ? <b>2021</b> , 18,	1
772	Effects of Wood Product Utilization on Climate Change Mitigation in South Korea. <b>2021</b> , 13, 6737	
771	Forest management to increase carbon sequestration in boreal <i>Pinus sylvestris</i> forests. <b>2021</b> , 466, 165-178	1
770	Afforestation, reforestation and new challenges from COVID-19: Thirty-three recommendations to support civil society organizations (CSOs). <b>2021</b> , 287, 112277	6
769	Carbon dioxide removal technologies are not born equal.	4
768	Improved household living standards can restore dry tropical forests.	2
767	Biodiversity-Productivity relationships are key to nature-based climate solutions. <b>2021</b> , 11, 543-550	21
766	Revised environmental Kuznets Curve in CEE countries. Evidence from panel threshold models for economic sectors. <b>2021</b> , 28, 60881-60899	2
765	Potential CO <sub>2</sub> removal from enhanced weathering by ecosystem responses to powdered rock. <b>2021</b> , 14, 545-549	10
764	Planting trees to combat drought. <b>2021</b> , 14, 458-459	0

763	Framing Nature-based Solutions to climate change. <b>2021</b> , 12, e729	11
762	Rewilding and restoring nature in a changing world. <b>2021</b> , 16, e0254249	1
761	Gambling With the Climate: How Risky of a Bet Are Natural Climate Solutions?. <b>2021</b> , 2, e2021AV000490	2
760	Climate-Driven Limits to Future Carbon Storage in California's Wildland Ecosystems. <b>2021</b> , 2, e2021AV000384	5
759	Active restoration leads to rapid recovery of aboveground biomass but limited recovery of fish diversity in planted mangrove forests of the North Brazil Shelf. <b>2021</b> , 29, e13400	1
758	For the sake of resilience and multifunctionality, let's diversify planted forests!. e12829	17
757	Carbon Capture Efficiency of Natural Water Alkalinization.	
756	Review: How will climate change impact the many little hammers of ecological weed management?. <b>2021</b> , 61, 327-341	3
755	Empirical estimate of forestation-induced precipitation changes in Europe. <b>2021</b> , 14, 473-478	14
754	Effect of vegetation structure on above ground biomass in tropical deciduous forests of Central India. 1-17	4
753	Multi-actor perspectives on afforestation and reforestation strategies in Central Europe under climate change. <b>2021</b> , 78, 1	2
752	Revealing the widespread potential of forests to increase low level cloud cover. <b>2021</b> , 12, 4337	11
751	Enhancing climate change resilience of ecological restoration A framework for action. <b>2021</b> , 19, 300-310	2
750	Leveraging the potential of nature to meet net zero greenhouse gas emissions in Washington State. <b>2021</b> , 9, e11802	0
749	The role of culture in land system science. 1-17	4
748	Diversification of forestry portfolios for climate change and market risk mitigation. <b>2021</b> , 289, 112482	2
747	Global application of an unoccupied aerial vehicle photogrammetry protocol for predicting aboveground biomass in non-forest ecosystems.	3
746	Performance and cost of applied nucleation versus high-diversity plantations for tropical forest restoration. <b>2021</b> , 491, 119088	3



745	Maintaining the Many Societal Benefits of Rangelands: The Case of Hawai'i. <b>2021</b> , 10, 764		2
744	Are indigenous territories effective natural climate solutions? A neotropical analysis using matching methods and geographic discontinuity designs. <b>2021</b> , 16, e0245110		3
743	Evidence-informed policy for tackling adverse climate change effects on health: Linking regional and global assessments of science to catalyse action. <b>2021</b> , 18, e1003719		0
742	Spatial heterogeneity in forest carbon storage affects priorities for reforestation.		
741	Old-growth forest loss and secondary forest recovery across Amazonian countries..		4
740	Limited sink but large storage: Biomass dynamics in naturally developing beech ( <i>Fagus sylvatica</i> ) and oak ( <i>Quercus robur</i> , <i>Quercus petraea</i> ) forests of north-western Germany. <b>2021</b> , 109, 3602		0
739	A financial analysis of four carbon offset accounting protocols for a representative afforestation project (southern Ontario, Canada). <b>2021</b> , 51, 1015-1028		2
738	Proximate Causes of Forest Degradation in the Democratic Republic of the Congo Vary in Space and Time. <b>2021</b> , 2,		1
737	Improved forest management as a natural climate solution: A review. <b>2021</b> , 2, e12090		5
736	Estimating blue carbon sequestration under coastal management scenarios. <b>2021</b> , 777, 145962		8
735	Cloud cooling effects of afforestation and reforestation at midlatitudes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	5
734	How politics shapes the outcomes of forest carbon finance. <b>2021</b> , 51, 7-14		8
733	Countries' commitments to soil organic carbon in Nationally Determined Contributions. <b>2021</b> , 21, 1005-1019		7
732	The Importance of Alaska for Climate Stabilization, Resilience, and Biodiversity Conservation. 4,		3
731	Multi-Decadal Carbon Cycle Measurements Indicate Resistance to External Drivers of Change at the Howland Forest AmeriFlux Site. <b>2021</b> , 126, e2021JG006276		1
730	Mapping smallholder forest plantations in Andhra Pradesh, India using multitemporal harmonized landsat sentinel-2'S10 data. <b>2021</b> , 32, 4212-4226		0
729	Resilience and Equity in a Time of Crises: Investing in Public Urban Greenspace Is Now More Essential Than Ever in the US and Beyond. <b>2021</b> , 18,		2
728	Are the COP26 Climate Change Negotiations Ready to Embrace Agriculture?. <b>2021</b> , 20, 4-10		0

727	Primate conservation: Lessons learned in the last 20 years can guide future efforts. <b>2021</b> , 30, 345-361	6
726	Shall the American Association of Geographers Endorse Carbon Offsets? Absolutely Not!. 1-7	3
725	Early warning sign of forest loss in protected areas. <b>2021</b> , 31, 4620-4626.e3	5
724	Long-term crop rotation diversification enhances maize drought resistance through soil organic matter. <b>2021</b> , 16, 084067	4
723	Mitigation of climate change and environmental hazards in plants: Potential role of the beneficial metalloid silicon. <b>2021</b> , 416, 126193	5
722	Areas of global importance for conserving terrestrial biodiversity, carbon and water. <b>2021</b> , 5, 1499-1509	24
721	Prioritizing Street Tree Planting Locations to Increase Benefits for All Citizens: Experience From Joliette, Canada. <b>2021</b> , 9,	0
720	The impact of climate risk valuation on the regional mitigation strategies. <b>2021</b> , 313, 127786	4
719	People plant trees for utility more often than for biodiversity or carbon. <b>2021</b> , 261, 109224	10
718	Nature, COVID-19, disease prevention, and climate change. <b>2021</b> , 261, 109213	2
717	Responses of greenhouse gas emissions and soil carbon and nitrogen sequestration to field management in the winter season: A 6-year measurement in a Chinese double-rice field. <b>2021</b> , 318, 107506	6
716	Long term soil carbon sequestration potential of smallholder croplands in southern Ethiopia with DAYCENT model. <b>2021</b> , 294, 112893	2
715	A critical review of forest biomass estimation equations in India. <b>2021</b> , 5, 100098	6
714	Variability in Carbon Stocks Across a Chronosequence of Masson Pine Plantations and the Trade-Off Between Plant and Soil Systems. <b>2021</b> , 12, 1342	1
713	Significant Emissions From Forest Drainage Ditches: An Unaccounted Term in Anthropogenic Greenhouse Gas Inventories?. <b>2021</b> , 126, e2021JG006478	1
712	Soil carbon sequestration potential and the identification of hotspots in the eastern Corn Belt of the United States. <b>2021</b> , 85, 1410-1424	2
711	Alkalinity Concentration Swing for Direct Air Capture of Carbon Dioxide. <b>2021</b> , 14, 4439-4453	3
710	Relative density of United States forests has shifted to higher levels over last two decades with important implications for future dynamics. <b>2021</b> , 11, 18848	0

709	The costs and benefits of restoring a continent’s terrestrial ecosystems.		1
708	Assessing climatic benefits from forestation potential in semi-arid lands.		1
707	Soils and Beyond: Optimizing Sustainability Opportunities for Biochar. <b>2021</b> , 13, 10079		2
706	Water is the middle child in global climate policy.		2
705	Protected-area targets could be undermined by climate change-driven shifts in ecoregions and biomes. <b>2021</b> , 2,		9
704	Opinion: We need biosphere stewardship that protects carbon sinks and builds resilience. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	11
703	Prioritizing forestation based on biogeochemical and local biogeophysical impacts. <b>2021</b> , 11, 867-871		8
702	The potential contribution of terrestrial nature-based solutions to a national Net zero climate target.		6
701	Agroforestry and non-state actors: A review. <b>2021</b> , 130, 102538		5
700	Searching for a Public in Controversies over Carbon Dioxide Removal: An Issue Mapping Study on BECCS and Afforestation. 016224392110435		1
699	Biophysical Impacts of Historical Disturbances, Restoration Strategies, and Vegetation Types in a Peatland Ecosystem. <b>2021</b> , 126, e2021JG006532		1
698	Ecosystem carbon balance in the Hawaiian Islands under different scenarios of future climate and land use change. <b>2021</b> , 16, 104020		0
697	The opportunity cost of delaying climate action: Peatland restoration and resilience to climate change. <b>2021</b> , 70, 102323		4
696	A conceptual framework and experimental design for analysing the relationship between biodiversity and ecosystem functioning (BEF) in agroforestry systems. <b>2021</b> , 55, 133-151		2
695	Seeking natural analogs to fast-forward the assessment of marine CO removal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	1
694	Challenges in using soil carbon modelling in LCA of agricultural productsThe devil is in the detail. <b>2021</b> , 26, 1764-1778		0
693	Age-dependence of stand biomass in managed boreal forests based on the Finnish National Forest Inventory data. <b>2021</b> , 498, 119507		0
692	Understanding drivers of local forest transition in community forests in Mixteca Alta, Oaxaca, Mexico. <b>2021</b> , 131, 102542		2

691	Climate change mitigation and adaptation in agriculture: Why agroforestry should be part of the solution. <b>2021</b> , 319, 107555	6
690	Impacts of historical ditching on peat volume and carbon in northern Minnesota USA peatlands. <b>2021</b> , 296, 113090	0
689	Defining national biogenic methane targets: Implications for national food production & climate neutrality objectives. <b>2021</b> , 295, 113058	2
688	Prospective carbon balance of the wood sector in a tropical forest territory using a temporally-explicit model. <b>2021</b> , 497, 119532	1
687	Land cover change-induced decline in terrestrial gross primary production over the conterminous United States from 2001 to 2016. <b>2021</b> , 308-309, 108609	3
686	Achieving national scale targets for carbon sequestration through afforestation: Geospatial assessment of feasibility and policy implications. <b>2021</b> , 124, 279-292	4
685	Insect and Disease Disturbances Correlate With Reduced Carbon Sequestration in Forests of the Contiguous United States. <b>2021</b> , 4,	1
684	Governing natural climate solutions: prospects and pitfalls. <b>2021</b> , 52, 36-44	
683	Bio-conversion of CO into biofuels and other value-added chemicals via metabolic engineering. <b>2021</b> , 251, 126813	6
682	Hot topics in governance for forests and trees: Towards a (just) transformative research agenda. <b>2021</b> , 131, 102567	4
681	Changes in energy and livestock systems largely explain the forest transition in Austria (1830-1910). <b>2021</b> , 109, 105624	5
680	Carbon balance for biosolids use in commercial Douglas Fir plantations in the Pacific Northwest. <b>2021</b> , 295, 113115	
679	Diversifying Chile's climate action away from industrial plantations. <b>2021</b> , 124, 85-89	3
678	Managing food-ecosystem synergies to sustain water resource systems. <b>2021</b> , 796, 148945	3
677	Does competitive scarcity affect the speed of resource extraction? A common-pool resource lab-in-the-field experiment on land use in northern Namibia. <b>2021</b> , 147, 105623	2
676	Three-dimensional ecological footprint based on ecosystem service value and their drivers: A case study of Urumqi. <b>2021</b> , 131, 108117	3
675	Exploring the option space for land system futures at regional to global scales: The diagnostic agro-food, land use and greenhouse gas emission model BioBaM-GHG 2.0. <b>2021</b> , 459, 109729	3
674	The nexus between economic development and pollution in the European Union new member states. The role of renewable energy consumption. <b>2021</b> , 179, 1767-1780	10

673	National scale predictions of contemporary and future blue carbon storage. <b>2021</b> , 800, 149573	7
672	A review of transformative strategies for climate mitigation by grasslands. <b>2021</b> , 799, 149466	3
671	Soil organic matter is principally root derived in an Ultisol under oak forest. <b>2021</b> , 403, 115385	1
670	Econometrics of the environmental Kuznets curve in the face of climate change and sustainability in Zambia. <b>2021</b> , 5, 100289	1
669	Mitigation. <b>2022</b> , 439-472	0
668	Soil organic carbon sequestration in temperate agroforestry systems [A meta-analysis. <b>2022</b> , 323, 107689	8
667	Nature-based solutions in international policy instruments. <b>2021</b> , 125-147	
666	Innovating with Nature: From Nature-Based Solutions to Nature-Based Enterprises. <b>2021</b> , 13, 1263	12
665	Foreword: uncensored science is crucial for global conservation. <b>2021</b> , xxv-lvi	
664	Transformative governance for linking forest and landscape restoration to human well-being in Latin America. <b>2021</b> , 17, 523-538	3
663	Global and regional drivers of land-use emissions in 1961-2017. <b>2021</b> , 589, 554-561	57
662	Policy Implications. <b>2021</b> , 143-174	
661	Forest Ecosystems: A Functional and Biodiversity Perspective. <b>2021</b> , 383-405	1
660	Hydraulic diversity stabilizes productivity in a large-scale subtropical tree biodiversity experiment.	
659	Planted forests and natural regeneration in forest transitions: patterns and implications from the U.S. South. <b>2021</b> , 21, 1	1
658	Implications of COVID-19 on progress in the UN Conventions on biodiversity and climate change. <b>2021</b> , 4,	2
657	Forest Management for Climate Protection. <b>2021</b> , 21-32	
656	Impacts of California's climate-relevant land use policy scenarios on terrestrial carbon emissions (CO <sub>2</sub> and CH <sub>4</sub> ) and wildfire risk. <b>2021</b> , 16, 014044	2

655	Carbon-Neutral Pathways for the United States. <b>2021</b> , 2, e2020AV000284	56
654	Mangrove Blue Carbon in the Face of Deforestation, Climate Change, and Restoration. 427-456	9
653	Climate Change: Challenges to Reduce Global Warming and Role of Biofuels. <b>2020</b> , 13-54	4
652	The economics of globally shared goods. <b>2020</b> , 239-280	1
651	Promotion of afforestation in New Zealand's marginal agricultural lands through payments for environmental services. <b>2020</b> , 46, 101212	5
650	Assessing land-based mitigation implications for biodiversity. <b>2020</b> , 106, 68-76	3
649	Lower cost and more feasible options to restore forest cover in the contiguous United States for climate mitigation. <b>2020</b> , 3, 739-752	11
648	The economic value of tropical forests in meeting global climate stabilization goals. <b>2021</b> , 4,	4
647	Forest age and water yield. <b>2020</b> , 578, E16-E18	10
646	Managing soils for negative feedback to climate change and positive impact on food and nutritional security. <b>2020</b> , 66, 1-9	24
645	Low-impact land use pathways to deep decarbonization of electricity. <b>2020</b> , 15, 074044	18
644	Maximising climate mitigation potential by carbon and radiative agricultural land management with cover crops. <b>2020</b> , 15, 094075	8
643	Forest regeneration on European sheep pasture is an economically viable climate change mitigation strategy. <b>2020</b> , 15, 104090	6
642	Combining mitigation strategies to increase co-benefits for biodiversity and food security. <b>2020</b> , 15, 114005	3
641	Heat exposure from tropical deforestation decreases cognitive performance of rural workers: an experimental study. <b>2020</b> , 15, 124015	12
640	Novel integrated agricultural land management approach provides sustainable biomass feedstocks for bioplastics and supports the UK's Net-zero target. <b>2021</b> , 16, 014023	5
639	Climate change mitigation potential of wetlands and the cost-effectiveness of their restoration. <b>2020</b> , 10, 20190129	32
638	Direct Measurement of Trunk Volume in Forest Trees: Focus on White Pine and Comparison to a Statistical Method.	0

637	Areas of global importance for terrestrial biodiversity, carbon, and water.	11
636	Drone-derived canopy height predicts biomass across non-forest ecosystems globally.	1
635	Indigenous Peoples are critical to the success of nature-based solutions to climate change. <b>2020</b> , 5, 551-556	21
634	Large-Scale Carbon Dioxide Removal: The Problem of Phasedown. <b>2020</b> , 20, 70-92	6
633	Carbon Sequestration Due to Commercial Forestry: An Equilibrium Analysis. <b>2020</b> , 70, 60-63	3
632	Guidelines for geoconservation in protected and conserved areas.	19
631	Plant Cell Walls Tackling Climate Change: Insights into Plant Cell Wall Remodeling, Its Regulation, and Biotechnological Strategies to Improve Crop Adaptations and Photosynthesis in Response to Global Warming. <b>2020</b> , 9,	15
630	Carbon Pricing and the Elasticity of CO <sub>2</sub> Emissions. <b>2020</b> , 1-84	6
629	The new EU LULUCF regulation: challenges and opportunities for the Italian forest sector. <b>2018</b> , 15, 87-93	1
628	Pathologists and entomologists must join forces against forest pest and pathogen invasions. 58, 107-127	12
627	Energy policy and economics under climate change. <b>2018</b> , 6, 272-290	11
626	State of Climate Action: Assessing Progress toward 2030 and 2050.	4
625	Global mapping of potential natural vegetation: an assessment of machine learning algorithms for estimating land potential. <b>2018</b> , 6, e5457	42
624	 <b>2019</b> , 7-14	1
623	Chapter 21 : Midwest. Impacts, Risks, and Adaptation in the United States: The Fourth National Climate Assessment, Volume II. <b>2018</b> ,	14
622	Chapter 7 : Ecosystems, Ecosystem Services, and Biodiversity. Impacts, Risks, and Adaptation in the United States: The Fourth National Climate Assessment, Volume II. <b>2018</b> ,	4
621	Investing in Native Tree Species and Agroforestry Systems in Brazil: An Economic Valuation.	
620	Carbon and Energy Balance of Dry Mediterranean Pine Forests: A Case Study. <b>2021</b> , 279-301	

619	Management of Agroecosystem for Food Security: An Overview. <b>2021</b> , 847-870	
618	Investimento em Reflorestamento com Esp�cies Nativas e Sistemas Agroflorestais no Brasil: Uma Avalia�o Econ�mica.	
617	Assessing the carbon capture potential of a reforestation project. <b>2021</b> , 11, 19907	2
616	Natural disturbance impacts on trade-offs and co-benefits of forest biodiversity and carbon. <b>2021</b> , 288, 20211631	7
615	Governance Challenges for Implementing Nature-Based Solutions in the Asian Region. <b>2021</b> , 9, 102-113	3
614	Large-scale tree planting initiatives as an opportunity to derive carbon and biodiversity co-benefits: a case study from Aotearoa New Zealand. 1	0
613	Upscaling tropical restoration to deliver environmental benefits and socially equitable outcomes. <b>2021</b> , 31, R1326-R1341	4
612	Altered growth conditions more than reforestation counteracted forest biomass carbon emissions 1990-2020. <b>2021</b> , 12, 6075	8
611	Scaling Deep Decarbonization Technologies. <b>2021</b> , 9, e2021EF002399	5
610	Greenhouse Gas Inventory Model for Biochar Additions to Soil. <b>2021</b> , 55, 14795-14805	7
609	A 40-year evaluation of drivers of African rainforest change. <b>2021</b> , 8,	2
608	Nature-Based Solutions for Urban Climate Change Adaptation and Wellbeing: Evidence and Opportunities From Kiribati, Samoa, and Vanuatu. 9,	2
607	Land-based measures to mitigate climate change: Potential and feasibility by country. <b>2021</b> , 27, 6025-6058	17
606	From drug discovery to coronaviruses: why restoring natural habitats is good for human health. <b>2021</b> , 375, n2329	2
605	Wild meat consumption in tropical forests spares a significant carbon footprint from the livestock production sector. <b>2021</b> , 11, 19001	
604	Upstream decarbonization through a carbon takeback obligation: An affordable backstop climate policy. <b>2021</b> ,	6
603	Soil organic carbon dynamics from agricultural management practices under climate change. <b>2021</b> , 12, 1037-1055	3
602	Restoring Soil Fertility on Degraded Lands to Meet Food, Fuel, and Climate Security Needs via Perennialization. <b>2021</b> , 5,	2



601 Unlocking Nature's Potential [NBS and Business. **2021**, 279-288

600 Does threatened species listing status predict climate change risk? A case study with Australian *Personia* (Proteaceae) species. **2021**, 31, e01862 0

599 Governance issues related to the management and conservation of mangrove ecosystems to support climate change mitigation actions in Indonesia. **2021**, 133, 102622 2

598 Global forces of change: Implications for forest-poverty dynamics. **2021**, 133, 102607 2

597 Encyclopedia of Sustainability Science and Technology. **2018**, 1-25

596 Climate Action. **2019**, 1-12

595 Responsible Consumption and Production. **2019**, 1-10

594 Universal Ownership in the Anthropocene. 1

593 Let Earth Rebound! Conservation's New Imperative. **2020**, 201-217

592 Planting trees in Italy for the health of the planet. Where, how and why. **2019**, 16, 59-65 1

591 Climate Action. **2020**, 619-629 0

590 Climate Action. **2020**, 367-378

589 The Impact of Climate Change in Hindu Kush Himalayas: Key Sustainability Issues. **2020**, 453-472 0

588 Estimating New Zealand's harvested wood products carbon stocks and stock changes. **2020**, 15, 10 1

587 A burning question: Can savannah fire management generate enough carbon revenue to help save the lion from extinction?.

586 In the Climate Emergency, Conservation Must Become Survival Ecology. **2021**, 2, 2

585 Blue carbon as a natural climate solution. 29

584 Regulating Ecosystem Services: Enhancements Through Sustainable Management. **2020**, 1-13

583	Opportunities and Advances to Mainstream Nature-Based Solutions in Disaster Risk Management and Climate Strategy. <b>2020</b> , 1-26	6
582	Climate-Resilient Agricultural Development in the Global South. <b>2021</b> , 1-24	0
581	Are indigenous territories effective natural climate solutions? A neotropical analysis using matching methods and geographic discontinuity designs.	
580	Energy, water and carbon exchanges in managed forest ecosystems: description, sensitivity analysis and evaluation of the INRAE GO+ model, version 3.0. <b>2020</b> , 13, 5973-6009	0
579	State of Climate Action 2021: Systems Transformations Required to Limit Global Warming to 1.5°C.	2
578	Flexible and comprehensive criteria for evaluating climate change adaptation success for biodiversity and natural resource conservation. <b>2022</b> , 127, 87-97	2
577	A holistic view of Holistic Management: What do farm-scale, carbon, and social studies tell us?. <b>2022</b> , 323, 107702	2
576	Future climate impacts on forest growth and implications for carbon sequestration through reforestation in southeast Australia. <b>2022</b> , 302, 113964	1
575	Using Inclusive Finance to Significantly Scale Climate Change Adaptation. <b>2020</b> , 1-26	0
574	Policy sequencing to reduce tropical deforestation. <b>2021</b> , 4,	3
573	Economic Controls 2: Currency and Fees. <b>2020</b> , 353-368	
572	Life on Land. <b>2020</b> , 1-15	
571	Elisava Insights : 75 challenges faced by humans and the planet. <b>2020</b> ,	
570	Responsible Consumption and Production. <b>2020</b> , 432-441	
569	Universal Ownership in Practice: A Practical Positive Investment Framework for Asset Owners.	1
568	References. <b>2020</b> , 531-734	
567	Functional diversity effects on productivity increase with age in a forest biodiversity experiment. <b>2021</b> , 5, 1594-1603	15
566	A Role for Drylands in a Carbon Neutral World?. 9,	4

565	allodb: An R package for biomass estimation at globally distributed extratropical forest plots.	2
564	A decisive decade. <b>2021</b> , 5, 1465	0
563	Nature-based Solutions to tackle climate change and restore biodiversity. <b>2021</b> , 58, 2344	1
562	What Is Known About the Management of European Beech Forests Facing Climate Change? A Review. 1	2
561	Policy challenges for global land use. <b>2021</b> , 71, 102411	0
560	The Wicked Problem of Forest Policy: A Multidisciplinary Approach to Sustainability in Forest Landscapes. <b>2020</b> ,	2
559	A Tentative Theory of Change to Evaluate Jurisdictional Approaches to Reduced Deforestation. <b>2020</b> , 3,	0
558	Solution Thinking. <b>2021</b> , 103-151	
557	Impact of climatic and topographic factors on distribution of sub-tropical and moist temperate forests in Pakistan. <b>2020</b> , 26, 157-172	1
556	Older eastern white pine trees and stands sequester carbon for many decades and maximize cumulative carbon.	
555	Comparing global and regional maps of intactness in the boreal region of North America: Implications for conservation planning in one of the world's remaining wilderness areas.	
554	Life on Land. <b>2021</b> , 13-26	
553	Life on Land. <b>2021</b> , 817-829	
552	Global marine biodiversity partnership. <b>2022</b> , 199-216	
551	Climatisation of agricultural issues in the international agenda through three competing epistemic communities: Climate-smart agriculture, agroecology, and nature-based solutions. <b>2022</b> , 127, 311-320	3
550	Carbon Flux Trajectories and Site Conditions from Restored Impounded Marshes in the Sacramento-San Joaquin Delta. <b>2021</b> , 247-271	2
549	The effect of deforestation and climate change on all-cause mortality and unsafe work conditions due to heat exposure in Berau, Indonesia: a modelling study. <b>2021</b> ,	5
548	Substitution impacts of wood use at the market level: a systematic review. <b>2021</b> , 16, 123004	2

547	Tidal and Nontidal Marsh Restoration: A Trade-Off Between Carbon Sequestration, Methane Emissions, and Soil Accretion. <b>2021</b> , 126, e2021JG006573	1
546	The impact of tree loss on carbon management in West Africa. 1-11	1
545	Protecting Half the Planet and Transforming Human Systems Are Complementary Goals. <b>2021</b> , 2,	4
544	Land-use legacies predispose the response of trees to drought in restored forests. <b>2021</b> , 28, 1204	0
543	Biodiversity post-2020: Closing the gap between global targets and national-level implementation. e12848	1
542	National Forest Inventory Data to Evaluate Climate-Smart Forestry. <b>2022</b> , 107-139	3
541	Kinetic Properties of Microbial Exoenzymes Vary With Soil Depth but Have Similar Temperature Sensitivities Through the Soil Profile.. <b>2021</b> , 12, 735282	0
540	Trees outside of forests as natural climate solutions. <b>2021</b> , 11, 1013-1016	4
539	Dynamic modelling shows substantial contribution of ecosystem restoration to climate change mitigation.	2
538	Biophysical Effects of Temperate Forests in Regulating Regional Temperature and Precipitation Pattern across Northeast China. <b>2021</b> , 13, 4767	1
537	Continuous Monitoring of Tree Responses to Climate Change for Smart Forestry: A Cybernetic Web of Trees. <b>2022</b> , 361-398	2
536	Protect, manage and then restore lands for climate mitigation. <b>2021</b> , 11, 1027-1034	6
535	An Introduction to Climate-Smart Forestry in Mountain Regions. <b>2022</b> , 1-33	0
534	Innovative wood use can enable carbon-beneficial forest management in California. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5 1
533	Delaying carbon dioxide removal in the European Union puts climate targets at risk. <b>2021</b> , 12, 6490	1
532	Global implications of crop-based bioenergy with carbon capture and storage for terrestrial vertebrate biodiversity.	0
531	Impacts of harmful algal blooms on marine aquaculture in a low-carbon future. <b>2021</b> , 110, 102143	2
530	Future Food Systems. <b>2021</b> , 603-630	

529	Can Regenerative Agriculture Increase National Soil Carbon Stocks? Simulated Country-Scale Adoption of Reduced Tillage, Cover Cropping, and Ley-Arable Integration Using Rothc-26.3.	
528	Dietary change in high-income nations alone can lead to substantial double climate dividend.	8
527	Climatic Sensitivities Derived from Tree Rings Improve Predictions of the Forest Vegetation Simulator Growth and Yield Model.	1
526	Deforestation scenarios show the importance of secondary forest for meeting Panama's carbon goals. 1	3
525	How do we best synergise climate mitigation actions to co-benefit biodiversity?. 2021,	6
524	Limited integration of biodiversity within climate policy: Evidence from the Alliance of Small Island States. 2022, 128, 216-227	0
523	How are biodiversity and carbon stock recovered during tropical forest restoration? Supporting the ecological paradigms and political context involved. 2022, 65, 126115	0
522	The effects of crop tree thinning intensity on the ability of dominant tree species to sequester carbon in a temperate deciduous mixed forest, northeastern China. 2022, 505, 119893	0
521	A global analysis of the break-even prices to reduce atmospheric carbon dioxide via forest plantation and avoided deforestation. 2022, 135, 102666	
520	Stable gap-filling for longer eddy covariance data gaps: A globally validated machine-learning approach for carbon dioxide, water, and energy fluxes. 2022, 314, 108777	0
519	Contributions of ecological programs to sustainable development goals in Linzhi, over the Tibetan Plateau: A mental map perspective. 2022, 176, 106532	1
518	Climate-Resilient Agricultural Development in the Global South. 2021, 555-578	
517	Large-Scale Reforestation Can Increase Water Yield and Reduce Drought Risk for Water-Insecure Regions in the Asia-Pacific.	
516	Tropical deforestation accelerates local warming and loss of safe outdoor working hours. 2021, 4, 1730-1740	3
515	Strategic Forest Reserves can protect biodiversity in the western United States and mitigate climate change. 2021, 2,	3
514	Changes in perspective needed to forge 'no-regret' forest-based climate change mitigation strategies. 2022, 14, 246-257	1
513	Existing land uses constrain climate change mitigation potential of forest restoration in India.	1
512	Higher aboveground carbon stocks in mixed-species planted forests than monocultures: a meta-analysis.	0

- 511 Native forests in agricultural landscapes: An option for sustainability. **2022**, 353-375
- 510 Actions to halt biodiversity loss generally benefit the climate.. **2022**, 7
- 509 Sustained Change: Design Speculations on the Performance of Fallow-Scapes in Time along the Erie Canal National Heritage Corridor, (ECNHC), New York. **2022**, 14, 1675
- 508 The response of key ecosystem services to land use and climate change in Chongqing: Time, space, and altitude. **2022**, 32, 317-332 1
- 507 Accounting for local temperature effect substantially alters afforestation patterns. **2022**, 17, 024030 2
- 506 Assessing the potential for unaccounted emissions from bioenergy and the implications for forests: The United States and global. **2022**, 14, 322-345 0
- 505 Diversity, Ecology, and Conservation of Mauritius Orchids. **2022**, 107-133
- 504 Reforestation enhanced landscape connectivity for thermal buffering in China. **2022**, 17, 014056 3
- 503 Optimizing opportunities for oak woodland expansion into upland pastures. **2022**, 3,
- 502 Improving sustainable tropical forest management with voluntary carbon markets. 1 0
- 501 A joint climate and nature cure: A transformative change perspective.. **2022**, 1 1
- 500 The global carbon sink potential of terrestrial vegetation can be increased substantially by optimal land management. **2022**, 3, 5
- 499 Chemical Response of Soils to Traditional and Industrial Byproduct Wood Biochars. 1-15
- 498 Atmospheric Profit & Loss [Oxygen Depletion as the Remaining Piece for a Proper CO2 Emissions Assessment. **2022**, 2, 100032
- 497 Research Hotspots and Evolution Trends of Carbon Neutrality Visual Analysis of Bibliometrics Based on CiteSpace. **2022**, 14, 1078 2
- 496 Soil organic matter formation, persistence, and functioning: A synthesis of current understanding to inform its conservation and regeneration. **2022**, 1-66 5
- 495 Rapid global phaseout of animal agriculture has the potential to stabilize greenhouse gas levels for 30 years and offset 68 percent of CO2 emissions this century. **2022**, 1, e0000010 8
- 494 Engineering Wood Products from Eucalyptus spp.. **2022**, 2022, 1-14 3

493	Operational assessment tool for forest carbon dynamics for the United States: a new spatially explicit approach linking the LUCAS and CBM-CFS3 models.. <b>2022</b> , 17, 1	1
492	The path less taken: Long-term N additions slow leaf litter decomposition and favor the physical transfer pathway of soil organic matter formation. <b>2022</b> , 166, 108567	1
491	Commercial forest carbon protocol over-credit bias delimited by zero-threshold carbon accounting. <b>2022</b> , 7, 100171	0
490	A PES scheme promoting forest biodiversity and carbon sequestration. <b>2022</b> , 136, 102692	1
489	Comparing contemporary and lifetime rates of carbon accumulation from secondary forests in the eastern Amazon. <b>2022</b> , 508, 120053	
488	Beneficial effects of warming on temperate tree carbon storage depend on precipitation and mycorrhizal types.. <b>2022</b> , 819, 153086	
487	Quantification of blue carbon in tropical salt marshes and their role in climate change mitigation.. <b>2022</b> , 153313	1
486	Climate Change Mitigation: In Situ Management Methods of Indigenous Fruit Trees in Chivi Communal Area, Masvingo Province, Zimbabwe. <b>2022</b> , 33-42	
485	Protecting seabed sediment carbon for climate mitigation: a UK case study.	
484	Consistent cooling benefits of silvopasture in the tropics.. <b>2022</b> , 13, 708	3
483	Terrestrial carbon sinks in China and around the world and their contribution to carbon neutrality.. <b>2022</b> , 1	9
482	Initial growth, nutrition, and quality of <i>Senegalia polyphylla</i> plants inoculated with arbuscular mycorrhizal fungi under phosphate fertilization. 1-14	
481	The carbon sink potential of southern China after two decades of afforestation.	
480	The quest for sustainable forest bioenergy: win-win solutions for climate and biodiversity. <b>2022</b> , 159, 112180	0
479	A global meta-analysis of the impacts of tree plantations on biodiversity. <b>2022</b> , 31, 576-587	4
478	Savanna fire management can generate enough carbon revenue to help restore Africa's rangelands and fill protected area funding gaps. <b>2021</b> , 4, 1776-1791	4
477	Species richness stabilizes productivity via asynchrony and drought-tolerance diversity in a large-scale tree biodiversity experiment.. <b>2021</b> , 7, eabk1643	8
476	Comparative LCAs of Conventional and Mass Timber Buildings in Regions with Potential for Mass Timber Penetration. <b>2021</b> , 13, 13987	4

- 475 Human Agency and Ecology. **2021**, 313-332
- 474 Tropical and Boreal Forest Atmosphere Interactions: A Review. **2022**, 74, 24-163 1
- 473 The Role of Assisted Natural Regeneration in Accelerating Forest and Landscape Restoration: Practical Experiences from the Field.
- 472 Aid Against Trees? Evidence from a Community-Driven Development Program in the Philippines.
- 471 The Problems with Tech Fixes. **2022**, 15-33
- 470 Coping with climate chang. **2022**, 143-233
- 469 Diagnosing the Problem. **2022**, 1-34 0
- 468 Incentivizing Soil Organic Carbon Management in Terrestrial Biomes of the United States of America. **2022**, 175-201 0
- 467 Carbon Pricing and the Elasticity of Co2 Emissions.
- 466 Comparing Industrial and Biotechnological Solutions for Carbon Capture and Storage. **2022**, 177-216 0
- 465 Species-Specific and Generalized Biomass Models for Estimating Carbon Stocks of Young Reforestations.
- 464 Food security in climate mitigation scenarios. **2022**, 3, 98-99 0
- 463 Tropical Forest Landscape Restoration in Indonesia: A Review. **2022**, 11, 328 3
- 462 ??????????&ldquo;???&rdquo;?????. **2022**, 0
- 461 The role of large wild animals in climate change mitigation and adaptation.. **2022**, 32, R181-R196 4
- 460 Including the Oft-Forgotten: The Necessity of Including Women and Indigenous Peoples in Nature-Based Solution Research. **2022**, 4, 0
- 459 Feedbacks Between Biodiversity and Climate Change. **2022**, 281-304 0
- 458 Tropical forest restoration under future climate change. **2022**, 12, 279-283 3



457	Towards effective reforestation: growth and commercial value of four commonly planted tropical timber species on infertile soils in Panama. 1	1
456	Greenhouse gas emission widens income inequality in Africa.. 2022, 1	
455	A meteorologically adjusted ensemble Kalman filter approach for inverting daily emissions: A case study in the Pearl River Delta, China.. 2022, 114, 233-248	
454	Pre-Germination Treatments at Operational Scale for Six Tree Species from the Sclerophyll Forest of Central Chile.. 2022, 11,	
453	Harvested area did not increase abruptly. Flow advancements in satellite-based mapping led to erroneous conclusions. 2022, 79,	2
452	Assessment of Carbon Dioxide Emissions due to Forest Fires in Russia and Possible Ways to Reduce Them. 2022, 988, 022050	
451	Removing climbers more than doubles tree growth and biomass in degraded tropical forests.. 2022, 12, e8758	2
450	Evolution of Forest restoration in India: The journey from pre-colonial to India's 75th year of Independence.	1
449	Temporary nature-based carbon removal can lower peak warming in a well-below 2 °C scenario. 2022, 3,	0
448	The role of China's terrestrial carbon sequestration 2010-2060 in offsetting energy-related CO2 emissions.	1
447	Comparing Global and Regional Maps of Intactness in the Boreal Region of North America: Implications for Conservation Planning in One of the World's Remaining Wilderness Areas. 2022, 5,	
446	Review: biological engineering for nature-based climate solutions.. 2022, 16, 7	1
445	Nature-based solutions in mountain catchments reduce impact of anthropogenic climate change on drought streamflow. 2022, 3,	1
444	The global potential of forest restoration for drought mitigation. 2022, 17, 034045	1
443	The Unseen Effects of Deforestation: Biophysical Effects on Climate. 2022, 5,	11
442	Young voices and visions for tropical restoration science in the UN Decade on Ecosystem Restoration.	0
441	Reducing human numbers and the size of our economies is necessary to avoid a mass extinction and share Earth justly with other species. 1	0
440	The biodiversity and ecosystem service contributions and trade-offs of forest restoration approaches.. 2022, 376, eabl4649	18

439	How do REDD+ projects contribute to the goals of the Paris Agreement?. <b>2022</b> , 17, 044038	1
438	Satellite observed vegetation dynamics and drivers in the Namib sand sea over the recent 20 years.	1
437	Land-use change in the Zagros forests and its impact on soil carbon sequestration. 1	0
436	Reforestation Opportunities in Indonesia: Mitigating Climate Change and Achieving Sustainable Development Goals. <b>2022</b> , 13, 447	0
435	Estimating carbon stocks and stock changes in Interior Wetbelt forests of British Columbia, Canada. <b>2022</b> , 13,	0
434	Natural and financial impacts of payments for forest carbon offset: A 14 year-long case study in an indigenous community in Panama. <b>2022</b> , 115, 106047	0
433	A multi-product landscape life-cycle assessment approach for evaluating local climate mitigation potential. <b>2022</b> , 131691	1
432	Carbon exchange in rainfed and irrigated cropland in the Brazilian Cerrado. <b>2022</b> , 316, 108881	0
431	Livestock Use on Public Lands in the Western USA Exacerbates Climate Change: Implications for Climate Change Mitigation and Adaptation.. <b>2022</b> , 1	2
430	Informing Nature-based Climate Solutions for the U.S. with the best-available science.. <b>2022</b> ,	2
429	Have western USA fire suppression and megafire active management approaches become a contemporary Sisyphus?. <b>2022</b> , 268, 109499	1
428	Soil carbon is the blind spot of European national GHG inventories. <b>2022</b> , 12, 324-331	0
427	The increasing relevance of phenology to conservation. <b>2022</b> , 12, 305-307	0
426	European Forest Governance: Status Quo and Optimising Options with Regard to the Paris Climate Target. <b>2022</b> , 14, 4365	0
425	Mid-Holocene European climate revisited: New high-resolution regional climate model simulations using pollen-based land-cover. <b>2022</b> , 281, 107431	3
424	Advancing Sustainable Development Goals with localised nature-based solutions: Opportunity spaces in the Lahn river landscape, Germany.. <b>2022</b> , 309, 114696	5
423	Current and future carbon stocks of natural forests in China. <b>2022</b> , 511, 120137	0
422	Multi-objective forest restoration planning in Costa Rica: Balancing landscape connectivity and ecosystem service provisioning with sustainable development.. <b>2022</b> , 310, 114717	1

421	Fairness critically conditions the carbon budget allocation across countries. <b>2022</b> , 74, 102481	5
420	Nature-based climate solutions for expanding the global protected area network. <b>2022</b> , 269, 109529	0
419	Urban development enhances soil organic carbon storage through increasing urban vegetation.. <b>2022</b> , 312, 114922	0
418	Can Regenerative Agriculture increase national soil carbon stocks? Simulated country-scale adoption of reduced tillage, cover cropping, and ley-arable integration using RothC.. <b>2022</b> , 825, 153955	4
417	Competing narratives of nature-based solutions: Leveraging the power of nature or dangerous distraction?. <b>2022</b> , 132, 273-281	1
416	Predicting wasteful spending in tree planting programs in Indian Himalaya. <b>2022</b> , 154, 105864	3
415	Evaluation of no-tillage impacts on soil respiration by C-isotopic signature in North China Plain.. <b>2022</b> , 824, 153852	1
414	Carbon fluxes from contemporary forest disturbances in North Carolina evaluated using a grid-based carbon accounting model and fine resolution remote sensing products. <b>2022</b> , 5, 100042	
413	Forest emissions reduction assessment using airborne LiDAR for biomass estimation. <b>2022</b> , 181, 106224	2
412	A coupled modeling approach to assess the effect of forest policies in water provision: A biophysical evaluation of a drought-prone rural catchment in south-central Chile.. <b>2022</b> , 154608	1
411	The potential of European abandoned agricultural lands to contribute to the Green Deal objectives: Policy perspectives. <b>2022</b> , 133, 44-53	3
410	CO fluxes from three different temperate grazed pastures using Eddy covariance measurements.. <b>2022</b> , 154819	0
409	Temporal and spatial dynamics of tropical macroalgal contributions to blue carbon.. <b>2022</b> , 154369	0
408	Land use-land cover gradient demonstrates the importance of perennial grasslands with intact soils for building soil carbon in the fertile Mollisols of the North Central US. <b>2022</b> , 418, 115854	1
407	Infrequent compost applications increased plant productivity and soil organic carbon in irrigated pasture but not degraded rangeland. <b>2022</b> , 333, 107969	0
406	Cumulative growth and stress responses to the 2018-2019 drought in a European floodplain forest.. <b>2021</b> ,	3
405	Mass Timber Building Life Cycle Assessment Methodology for the U.S. Regional Case Studies. <b>2021</b> , 13, 14034	3
404	Methanogenesis and Methane Oxidation in Paddy Fields under Organic Fertilization. <b>2021</b> , 40, 295-312	1

403	Understanding the Social Licence of Carbon Farming in the Australian Rangelands. <b>2022</b> , 14, 174	0
402	Southeast Asian protected areas are effective in conserving forest cover and forest carbon stocks compared to unprotected areas. <b>2021</b> , 11, 23760	1
401	Out of sight, Out of mind but not Out of scope. The need to consider ozone in restoration science, policy and practice.	0
400	Who Gets to Adopt? Contested Values Constrain Just Transitions to Agroforestry. <b>2021</b> , 5,	0
399	Forestry and. <b>2022</b> , 221-314	0
398	Fire effects on the persistence of soil organic matter and long-term carbon storage. <b>2022</b> , 15, 5-13	7
397	A global overview of studies about land management, land-use change, and climate change effects on soil organic carbon. <b>2021</b> ,	11
396	Land Use Effects on Climate: Current State, Recent Progress, and Emerging Topics. <b>2021</b> , 7, 99-120	6
395	Remote sensing reveals multi-decadal losses of tree cover in California driven by increasing fire disturbance and climate stress.	0
394	What influences the implementation of natural climate solutions? A systematic map and review of the evidence. <b>2022</b> , 17, 013002	3
393	Estimating Forest Canopy Height With Multi-Spectral and Multi-Temporal Imagery Using Deep Learning. <b>2021</b> ,	
392	A Proposal for a Forest Digital Twin Framework and Its Perspectives. <b>2022</b> , 13, 498	1
391	Risks to carbon storage from land-use change revealed by peat thickness maps of Peru.	2
390	The policy and ecology of forest-based climate mitigation: challenges, needs, and opportunities.	1
389	What evidence exists on the links between natural climate solutions and climate change mitigation outcomes in subtropical and tropical terrestrial regions? A systematic map protocol.. <b>2022</b> , 11, 15	0
388	Trade-off between tree planting and wetland conservation in China.. <b>2022</b> , 13, 1967	0
387	Data Justice and Biodiversity Conservation.. <b>2022</b> ,	0
386	The Global 2000-2020 Land Cover and Land Use Change Dataset Derived From the Landsat Archive: First Results. <b>2022</b> , 3,	6

385	Table_1.XLSX. 2020,	
384	Table_1.DOCX. 2020,	
383	Data_Sheet_1.xlsx. 2018,	
382	Table_1.pdf. 2018,	
381	Data_Sheet_1.PDF. 2019,	
380	Data_Sheet_1.docx. 2019,	
379	Data_Sheet_1.xlsx. 2020,	
378	Table_1.docx. 2020,	
377	Table_1.DOCX. 2020,	
376	Table_2.DOCX. 2020,	
375	Contributions of mangrove conservation and restoration to climate change mitigation in Indonesia.. 2022,	1
374	Contribution of Human Activities and the Natural Carbon Cycle to Carbon Emissions in China and Their Impact on Global Radiative Forcing.	
373	Potential and Limits of Forest Ecosystems on Climate and Biodiversity Protection and Implications for the Legislative Process. 2022, 91-113	
372	Hacienda Pinzacu—An Example of Regenerative Agriculture Amidst a Transformed Landscape in the Colombian Andes. 2022, 305-335	1
371	Global Carbon Sequestration Potential of Agroforestry and Increased Tree Cover on Agricultural Land. 2022, 2, 1-10	1
370	Conclusions: Challenges and Opportunities in Implementing Biodiversity Islands. 2022, 677-703	1
369	Deforestation and Forests Degradation Impacts on the Environment. 2022, 19-46	0
368	Droughts Decrease and Floods Increase Carbon Sequestration Rates of Quercus Robur in Hardwood Floodplain Forests.	

367	A Profuse Pipeline of Promising Options. <b>2022</b> , 73-158	
366	Regeneration of Degraded Land with Nature-Based Solutions. <b>2022</b> , 173-196	
365	Farmer Perceptions of Tropical Dry Forest Restoration Practices on the Azuero Peninsula of Panama [Implications for Increasing Biodiversity in a Human-Dominated Landscape. <b>2022</b> , 629-646	2
364	An Integrated Approach to Estimate How Much Urban Afforestation Can Contribute to Move Towards Carbon Neutrality.	0
363	Perspectives on the role of terrestrial ecosystems in the Carbon neutrality strategy. <b>2022</b> , 65, 1178-1186	3
362	Relation of pine crop damage to species-specific density in a multi-ungulate assemblage. 1	
361	Achieving the Paris Agreement would substantially reduce climate change risks to biodiversity in Central and South America. <b>2022</b> , 22, 1	0
360	Strengthening monitoring and evaluation of multiple benefits in conservation initiatives that aim to foster climate change adaptation.	
359	Physical Protection in Aggregates and Organo-Mineral Associations Contribute to Carbon Stabilization at the Transition Zone of Seasonally Saturated Wetlands. <b>2022</b> , 42, 1	1
358	Tibetan Plateau greening driven by warming-wetting climate change and ecological restoration in the 21st century.	0
357	Future climate risks from stress, insects and fire across US forests.. <b>2022</b> ,	0
356	Integration of VIIRS Observations with GEDI-Lidar Measurements to Monitor Forest Structure Dynamics from 2013 to 2020 across the Conterminous United States. <b>2022</b> , 14, 2320	2
355	Recovering wetland biogeomorphic feedbacks to restore the world's biotic carbon hotspots.. <b>2022</b> , 376, eabn1479	8
354	Want to prevent pandemics? Stop spillovers.. <b>2022</b> , 605, 419-422	2
353	Visual Analysis of Global Carbon Mitigation Research Based on Scientific Knowledge Graphs.. <b>2022</b> , 19,	0
352	Shifts in regional water availability due to global tree restoration. <b>2022</b> , 15, 363-368	3
351	Future bioenergy expansion could alter carbon sequestration potential and exacerbate water stress in the United States.. <b>2022</b> , 8, eabm8237	0
350	Modelling soil organic carbon stock distribution across different land-uses in South Africa: A remote sensing and deep learning approach. <b>2022</b> , 188, 351-362	0

- 349 Species-specific and generalized biomass models for estimating carbon stocks of young reforestations. **2022**, 161, 106453 1
- 348 Optimization of nitrogen, water and salinity for maximizing soil organic carbon in coastal wetlands. **2022**, 36, e02146 0
- 347 Tracking the inequalities of global per capita carbon emissions from perspectives of technological and economic gaps.. **2022**, 315, 115144 0
- 346 Climatic sensitivities derived from tree rings improve predictions of the Forest Vegetation Simulator growth and yield model. **2022**, 517, 120256 0
- 345 Peatland restoration as an affordable nature-based climate solution with fire reduction and conservation co-benefits in Indonesia.
- 344 The central role of forests in the 2021 European floods. 0
- 343 Protecting Forest Structure and Functions for Resilience and Sustainability Concerns in the Changing World. **2022**, 1-31
- 342 Introduction to the Special Issue-Nurturing resilient marine ecosystems.. **2022**, 377, 20210120
- 341 Anthropogenic impacts on lowland tropical peatland biogeochemistry. 0
- 340 Balancing greenhouse gas sources and sinks: Inventories, budgets, and climate policy. **2022**, 3-28
- 339 Uncertainty in parameterizing a flux-based model of vegetation carbon phenology using ecosystem respiration. **2022**, 13,
- 338 Soil-Improving Cropping Systems for Sustainable and Profitable Farming in Europe. **2022**, 11, 780 1
- 337 Nature-based solutions promote climate change adaptation safeguarding ecosystem services. **2022**, 55, 101439 1
- 336 Identification of priority areas for afforestation in the Loess Plateau region of China. **2022**, 140, 108998 0
- 335 The potential role of olive groves to deliver carbon dioxide removal in a carbon-neutral Europe: Opportunities and challenges. **2022**, 165, 112609 1
- 334 Nature-Based Solutions Applied to the Built Environment to Alleviate Climate Change: Benefits, Co-benefits, and Trade-offs in a Geographical Multi-scale Perspective. **2022**, 2117-2167
- 333 A Framework for a Carbon-Based Urban Vegetation Typology.
- 332 Tidal Flats as a Significant Carbon Reservoir in Global Coastal Ecosystems. **2022**, 9, 0

331	Operationalizing marketable blue carbon. <b>2022</b> , 5, 485-492		2
330	Ensuring that nature-based solutions for climate mitigation address multiple global challenges. <b>2022</b> , 5, 493-504		0
329	The challenges of sequestering terrestrial carbon.		0
328	Future land-use competition constrains natural climate solutions. <b>2022</b> , 156409		0
327	Re-articulating forest politics through rights to forest and rights of forest. <b>2022</b> , 133, 89-100		
326	Forest carbon incentive programs for non-industrial private forests in Oregon (USA): Impacts of program design on willingness to enroll and landscape-scale program outcomes. <b>2022</b> , 141, 102778		0
325	Farm level environmental assessment of organic dairy systems in the U.S.. <b>2022</b> , 363, 132390		1
324	Avoiding a new era in biopiracy: Including indigenous and local knowledge in nature-based solutions to climate change. <b>2022</b> , 135, 162-168		0
323	Temperature tipping point affects the afforestation by exacerbating water stress impact in northern China. <b>2022</b> , 216, 106420		
322	The Time Value of Carbon Storage.		
321	CO2 removal and 1.5°C: what, where, when, and how?.		0
320	Linking Climate Action and Sustainable Development Goals by Activating Co-Benefits. <b>2022</b> , 199-216		
319	Imperiled: The Encyclopedia of Conservation. <b>2022</b> , xxi-xxiii		2
318	Land-based climate solutions for the United States.		0
317	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> , <b>2022</b> , 119,	11.5	5
316	Anthropogenic Land Use and Land Cover Changes: A Review on Its Environmental Consequences and Climate Change.		2
315	Mapping potential surface contributions to reflected solar radiation.		1
314	The Potential of Peatlands as Nature-Based Climate Solutions.		0



- 313 Biogeochemical constraints on climate change mitigation through regenerative farming. 2
- 312 Fast Action on Short-lived Climate Pollutants and Nature-based Solutions to Help Countries Meet Carbon Neutrality Goals. **2022**, 1
- 311 Climate change mitigation potential of Atlantic Forest reforestations. **2022**, 27,
- 310 The Warming Effect of Urbanization in the Urban Agglomeration Area Accelerates Vegetation Growth on the UrbanRural Gradient. **2022**, 14, 2869 0
- 309 Trade offs at applying tree nucleation to restore degraded high andean forests in colombia.
- 308 Land-use change emissions based on high-resolution activity data substantially lower than previously estimated. **2022**, 17, 064050 1
- 307 Conservation responsibility for bird species in tropical logged forests. 0
- 306 Droughts decrease and floods increase carbon sequestration rates of *Quercus robur* in hardwood floodplain forests. **2022**, 100294
- 305 The policy challenges of green rural transformation for Asia-Pacific emerging and developing economies in a post-COVID world. **2022**, 1
- 304 Emerging relationships among soil microbes, carbon dynamics and climate change. **2022**, 36, 1332-1337 0
- 303 A global evaluation of the effectiveness of voluntary REDD+ projects at reducing deforestation and degradation in the moist tropics. 1
- 302 Re-powering the Nature-Intensive Systems: Insights From Linking Nature-Based Solutions and Energy Transition. 4,
- 301 More than a safety net: Ethiopia's flagship public works program increases tree cover. **2022**, 75, 102549 0
- 300 The Carbon-Capture Efficiency of Natural Water Alkalinization: Implications For Enhanced weathering. **2022**, 838, 156524 0
- 299 An integrated approach to estimate how much urban afforestation can contribute to move towards carbon neutrality. **2022**, 842, 156843 2
- 298 Cooperative Multifunctional Nanocarbon as Efficient Electro-Catalysts for Co<sub>2</sub> Fixation to Value-Added Cyclic Carbonates Under Mild Conditions.
- 297 . **2022**, 7,
- 296 Can Restoration of Freshwater Mineral Soil Wetlands Deliver Nature-Based Climate Solutions to Agricultural Landscapes?. 10,

295	Wetland position in the landscape: Impact on water storage and flood buffering.	0
294	A Guide to International Climate Mitigation Policy and Finance Frameworks Relevant to the Protection and Restoration of Blue Carbon Ecosystems. 9,	0
293	Amplified warming from physiological responses to carbon dioxide reduces the potential of vegetation for climate change mitigation. <b>2022</b> , 3,	1
292	Impact of coal mining on land use changes, deforestation, biomass and C losses in Central India: Implications for offsetting CO <sub>2</sub> emissions.	0
291	Snapshot of the Carbon Dioxide Removal certification and standards ecosystem (2021-2022). 1-14	0
290	Carbon removals from nature restoration are no substitute for steep emission reductions. <b>2022</b> , 5, 812-824	1
289	Climate protection or privilege? A whole systems justice milieu of twenty negative emissions and solar geoengineering technologies. <b>2022</b> , 97, 102702	2
288	A critical perspective on the European Commission's publications Evaluating the impact of nature-based solutions <b>2022</b> , 2, 100027	
287	Agroecological practices in combination with healthy diets can help meet EU food system policy targets. <b>2022</b> , 157612	2
286	The COVID-19 Pandemic and the Climate Crisis: A Call to Question the Mindset of Modernity. <b>2022</b> , 13, 33	
285	Trends in forest carbon offset markets in United States.	1
284	Chapter 10. Feasibility of Using Biologically-based Processes in the Open Ocean and Coastal Seas for Atmospheric CO <sub>2</sub> Removal. <b>2022</b> , 291-350	
283	Patterns and controls on island-wide aboveground biomass accumulation in second-growth forests of Puerto Rico.	0
282	A Blueprint for the Estimation of Seagrass Carbon Stock Using Remote Sensing-Enabled Proxies. <b>2022</b> , 14, 3572	0
281	Rates and drivers of aboveground carbon accumulation in global monoculture plantation forests. <b>2022</b> , 13,	1
280	Transforming food systems with trees and forests. <b>2022</b> , 6, e632-e639	0
279	Carbon Removal Using Coastal Blue Carbon Ecosystems Is Uncertain and Unreliable, With Questionable Climatic Cost-Effectiveness. 4,	1
278	Losses of Tree Cover in California Driven by Increasing Fire Disturbance and Climate Stress. <b>2022</b> , 3,	1

277	Estimation and Simulation of Forest Carbon Stock in Northeast China Forestry Based on Future Climate Change and LUCC. <b>2022</b> , 14, 3653	1
276	Global change explains the neotropical rattlesnake <i>Crotalus durissus</i> (Serpentes: Viperidae) range expansion in South America.	
275	More future synergies and less trade-offs between forest ecosystem services with natural climate solutions instead of bioeconomy solutions.	1
274	A framework for application of the landscape approach to forest conservation and restoration in Sierra Leone. 5,	0
273	Net Zero: Science, Origins, and Implications. <b>2022</b> , 47,	2
272	When and where to protect forests.	1
271	Harvesting Intensity and Aridity Are More Important Than Climate Change in Affecting Future Carbon Stocks of Douglas-Fir Forests. 5,	
270	Learning from the COVID-19 Pandemic Crisis to Overcome the Global Environmental Crisis. <b>2022</b> , 14, 10545	
269	Potential operational delineations: new horizons for proactive, risk-informed strategic land and fire management. <b>2022</b> , 18,	0
268	Duration of Climate Change Mitigation Benefits from Increasing Boreal Forest Harvest Age by 10 Years. <b>2022</b> , 13, 1279	
267	?????? ??????? ?????????? ?? ??????? ??????? ??????????.	
266	Data sharing for conservation: A standardized checklist of US native tree species and threat assessments to prioritize and coordinate action.	
265	Capitalizing on the global financial interest in blue carbon. <b>2022</b> , 1, e0000061	1
264	Expanding the scope of biogeochemical research to accelerate atmospheric carbon capture.	0
263	Mapping Forest Stability within Major Biomes Using Canopy Indices Derived from MODIS Time Series. <b>2022</b> , 14, 3813	0
262	The potential of nature-based solutions to reduce greenhouse gas emissions from US agriculture.	0
261	Grassland soil carbon sequestration: Current understanding, challenges, and solutions. <b>2022</b> , 377, 603-608	7
260	Climate Change, Agriculture, and Biodiversity: How Does Shifting Agriculture Affect Habitat Availability?. <b>2022</b> , 11, 1257	0

- 259 Large-scale reforestation can increase water yield and reduce drought risk for water-insecure regions in the Asia-Pacific. 0
- 258 Biophysical and economic constraints on China's natural climate solutions. 1
- 257 Effective land management strategies can help climate mitigation in China.
- 256 The Role of Remaining Carbon Budgets and Net-Zero CO<sub>2</sub> Targets in Climate Mitigation Policy.
- 255 Methane Emissions from Wetlands in China and Their Climate Feedbacks in the 21st Century. 0
- 254 Ecosystem science: a new approach in the analysis of functional processes in natural and human transformed terrestrial ecosystems. 100, 0
- 253 A review of the relationship between China's key forestry ecology projects and carbon market under carbon neutrality. **2022**, 9, 100311 1
- 252 Discursive and biophysical dimensions of land sparing policies in Laos: Implications for greenhouse gas emissions and food security. **2022**, 120, 106293
- 251 Embedding nature-based solutions into the social cost of carbon. **2022**, 167, 107431
- 250 An approach to assess the world's potential for disaster risk reduction through nature-based solutions. **2022**, 136, 599-608 1
- 249 Effects of key forest management practices and climatic factors on the growth of *Populus tomentosa* plantations in the North China Plain. **2022**, 521, 120444 1
- 248 Four pathways towards carbon neutrality by controlling net greenhouse gas emissions in Chinese cropland. **2022**, 186, 106576 0
- 247 China and the global politics of nature-based solutions. **2022**, 137, 1-11 1
- 246 Roadmap for achieving net-zero emissions in global food systems by 2050. **2022**, 12, 3
- 245 Impacts of forest conservation on local agricultural labor supply: Evidence from the Indonesian forest moratorium. 0
- 244 Planetary bioengineering on Earth to return and maintain the atmospheric carbon dioxide to pre-industrial levels: Assessing potential mechanisms. 9, 0
- 243 Identifying priority areas to manage mobile bottom fishing on seabed carbon in the UK. **2022**, 1, e0000059 0
- 242 Assessing the effect of mitigation efforts to improve vegetation recovery in powerline construction sites across Norway. **2022**, 184, 106789 0

241	Forest management practices in Spain: Understanding past trends to better face future challenges. <b>2022</b> , 524, 120526	0
240	The time value of carbon storage. <b>2022</b> , 144, 102840	0
239	Are marine protected areas an adaptation measure against climate change impacts on coastal ecosystems? A UK case study. <b>2022</b> , 2, 100030	0
238	Ecosystem-atmosphere CO <sub>2</sub> exchange from semiarid mangroves in the Gulf of California. <b>2023</b> , 208, 104872	0
237	Forest Seedlings Supply for Restoration of the Atlantic Forest in Rio de Janeiro, Brazil. <b>2022</b> , 29,	0
236	Carbon Pricing and the Elasticity of Co <sub>2</sub> Emissions.	0
235	A mid-20th century inventory-based estimate of global terrestrial vegetation carbon stocks. <b>2022</b> , 17, 429-453	0
234	Below Zero.	0
233	Analysis of the effect of abiotic stressors on BVOC emissions from urban green infrastructure in northern Germany. <b>2022</b> , 2, 1132-1151	1
232	Chapter 11. Comparison of Technologies and Practices for Removing Carbon Dioxide from the Atmosphere. <b>2022</b> , 351-377	0
231	Chapter 3. Negative Emissions: The Role and Response of the Climate System. <b>2022</b> , 27-56	0
230	More carbon per drop to enhance soil carbon sequestration in water-limited environments. <b>2022</b> , 13, 450-462	0
229	Growth, De-growth, and Nature-Based Solutions. <b>2022</b> , 1-9	0
228	Experimental increases in pH and P availability exert long-term impacts on decomposition in forests. <b>2023</b> , 181, 104654	0
227	Underestimation of the impact of land cover change on the biophysical environment of the Arctic and Boreal Region of North America.	0
226	Land use change and carbon emissions of a transformation to timber cities. <b>2022</b> , 13,	4
225	Large variations in afforestation-related climate cooling and warming effects across short distances.	0
224	Scaling smallholder tree cover restoration across the tropics. <b>2022</b> , 76, 102591	1

223	Degradation of Forest Reserves in Asunafo Forest District, Ghana.	0
222	Impacts of Active Versus Passive Re-Wetting on the Carbon Balance of a Previously Drained Bog. <b>2022</b> , 127,	0
221	Soil carbon stocks and nitrous oxide emissions of pasture systems in Orinoqu� region of Colombia: Potential for developing land-based greenhouse gas removal projects. 4,	0
220	Greenhouse gas mitigation co-benefits across the global agricultural development programs. <b>2022</b> , 76, 102586	1
219	Multi-scale observations of mangrove blue carbon fluxes; the NASA Carbon Monitoring System BlueFlux field campaign.	0
218	Limited climate change mitigation potential through forestation of the vast dryland regions. <b>2022</b> , 377, 1436-1439	2
217	Advocating afforestation, betting on BECCS: land-based negative emissions technologies (NETs) and agrarian livelihoods in the global South. 1-30	1
216	Measurement and Spatial Econometric Analysis of Forest Carbon Sequestration Efficiency in Zhejiang Province, China. <b>2022</b> , 13, 1583	0
215	How the future of the global forest sink depends on timber demand, forest management, and carbon policies. <b>2022</b> , 76, 102582	0
214	Effects of Land Use and Land Cover Change on Temperature in Summer over the Yellow River Basin, China. <b>2022</b> , 14, 4352	0
213	Analyzing the spatio-temporal patterns of forests carbon sink and sources between 2000 to 2019.	1
212	Economic potential and management of tropical mixed-species plantations in Central America.	0
211	Modelling tree diameter of less commonly planted tree species in New Zealand using a machine learning approach.	0
210	Increasing and widespread vulnerability of intact tropical rainforests to repeated droughts. <b>2022</b> , 119,	0
209	Conserving biodiversity in the face of rapid climate change requires a shift in priorities.	0
208	Up in the air: the challenge of conceptualizing and crafting a post-carbon planetary politics to confront climate change. 1-18	0
207	Using remote sensing to quantify the additional climate benefits of California forest carbon offset projects.	1
206	A climate risk analysis of Earth's forests in the 21st century. <b>2022</b> , 377, 1099-1103	5

205	Prosets: a new financing instrument to deliver a durable net zero transition. <b>2022</b> , 174,	0
204	Quantifying the Natural Climate Solution Potential of Agricultural Systems by Combining Eddy Covariance and Remote Sensing. <b>2022</b> , 127,	0
203	On climate order: a policy brief. 11, 1109	0
202	Costs of forest carbon sequestration in the presence of climate change impacts. <b>2022</b> , 17, 104011	0
201	Effects of biochar and ligneous soil amendments on greenhouse gas exchange during extremely dry growing season in a Finnish cropland. 6,	0
200	Silvopastoral systems and remnant forests enhance carbon storage in livestock-dominated landscapes in Mexico. <b>2022</b> , 12,	1
199	The 3-machines energy transition model: Exploring the energy frontiers for restoring a habitable climate.	0
198	Land cover and latitude affect vegetation phenology determined from solar induced fluorescence across Ontario, Canada. <b>2022</b> , 114, 103036	0
197	Planted seedling survival in a post-wildfire landscape: From experimental planting to predictive probabilistic surfaces. <b>2022</b> , 525, 120524	0
196	Plan and Policies for Soil Organic Carbon Management Under Agroforestry System. <b>2022</b> , 191-219	0
195	Tree Plantation: A Silver Bullet to Achieve Carbon Neutrality?. <b>2022</b> , 205-227	0
194	Mature and old-growth forests contribute to large-scale conservation targets in the conterminous United States. 5,	0
193	?????????????. <b>2022</b> ,	0
192	Using ecosystem integrity to maximize climate mitigation and minimize risk in international forest policy. 5,	0
191	Will drought exacerbate the decline in the sustainability of plantation forests relative to natural forests?.	0
190	Global water availability boosted by vegetation-driven changes in atmospheric moisture transport.	1
189	Advances in Forest Management Research in the Context of Carbon Neutrality: A Bibliometric Analysis. <b>2022</b> , 13, 1810	1
188	Ocean conservation boosts climate change mitigation and adaptation. <b>2022</b> , 5, 1126-1138	2

187	Recognizing the equity implications of restoration priority maps. <b>2022</b> , 17, 114019	0
186	Characterization and attribution of vegetation dynamics in the ecologically fragile South China Karst: Evidence from three decadal Landsat observations. 13,	0
185	Not Just Carbon: Capturing All the Benefits of Forests for Stabilizing the Climate from Local to Global Scales.	0
184	Role of Biotechnology in Climate-Resilient Agriculture. <b>2022</b> , 78-94	0
183	100 important questions about Bitcoin's energy use and ESG impacts.	0
182	Methodology Underpinning the State of Climate Action Series.	0
181	River chemistry constraints on the carbon capture potential of surficial enhanced rock weathering.	2
180	State of Climate Action 2022.	1
179	Can nature help limit warming below 1.5°C?.	0
178	Effects of land clearing for agriculture on soil organic carbon stocks in drylands: A meta-analysis.	0
177	Forward to the second special seedling root development.	0
176	Managing forest carbon and landscape capacities. <b>2022</b> , 17, 114013	0
175	Natural climate solutions in Indonesia: Wetlands are the key to achieve Indonesia's national climate commitment.	0
174	Carbon fluxes from land 2000-2020: bringing clarity to countries' reporting. <b>2022</b> , 14, 4643-4666	1
173	Estimation of National Forest Aboveground Biomass from Multi-Source Remotely Sensed Dataset with Machine Learning Algorithms in China. <b>2022</b> , 14, 5487	0
172	Ecosystem services of 'Trees Outside Forests (TOF)' and their contribution to the contemporary sustainability agenda: a systematic review. <b>2022</b> , 4, 112002	0
171	Protected areas provide thermal buffer against climate change. <b>2022</b> , 8,	0
170	A framework for promoting natural climate solutions in the agriculture sector. <b>2022</b> , 122, 106382	0



169	Recovery of carbon benefits by overharvested baleen whale populations is threatened by climate change. <b>2022</b> , 289,	1
168	Fire and land use impact soil properties in a Mediterranean dry sclerophyll woodland. <b>2022</b> , 324, 116245	0
167	Estimation and application of spatial distribution of carbon storage in Wushe reservoir watershed based on environmental indicators in Taiwan. <b>2022</b> , 145, 109626	0
166	Supporting decision-making by companies in delivering their climate net-zero and nature recovery commitments: Synthesising current information and identifying research priorities in rainforest restoration. <b>2022</b> , 40, e02305	0
165	A systems approach framework for evaluating tree restoration interventions for social and ecological outcomes in rural tropical landscapes. <b>2023</b> , 378,	2
164	Terrestrial carbon sequestration under future climate, nutrient and land use change and management scenarios: a national-scale UK case study. <b>2022</b> , 17, 114054	0
163	Saturation response of enhanced vegetation productivity attributes to intricate interactions.	0
162	100 important questions about Bitcoin's energy use and ESG impacts.	0
161	Towards Responsible and Informed Ocean-Based Carbon Dioxide Removal: Research and Governance Priorities.	0
160	Realizing the potential of restoration science. <b>2023</b> , 378,	0
159	Recent seasonal variations in ecosystem water use efficiency in China's key tropical-subtropical transitional zones in response to climate change.	0
158	Young People Are Changing Their Socio-Ecological Reality to Face Climate Change: Contrasting Transformative Youth Commitment with Division and Inertia of Governments. <b>2022</b> , 14, 15116	0
157	Towards achieving net zero emission targets and sustainable development goals, can long-term material footprint strategies be a useful tool?.	0
156	Analysis of Climate Change Impacts on the Food System Security of Saudi Arabia. <b>2022</b> , 14, 14482	2
155	Bibliometrics of the nexus between food security and carbon emissions: hotspots and trends.	0
154	Research progress and prospects of ecosystem carbon sequestration under climate change (1992-2022). <b>2022</b> , 145, 109656	0
153	Can we avert an Amazon tipping point? The economic and environmental costs.	0
152	Fouling-Proof Cooling (FP-Cool) Fabric Hybrid with Enhanced Sweat-Elimination and Heat-Dissipation for Personal Thermal Regulation. 2210769	2

151	The carbon sink potential of southern China after two decades of afforestation.	2
150	Blue carbon sinks in South Africa and the need for restoration to enhance carbon sequestration. <b>2023</b> , 859, 160142	0
149	Revegetation affects the response of land surface phenology to climate in Loess Plateau, China. <b>2022</b> , 160383	0
148	Nonscalability of Fractal Dimension to Quantify Canopy Structural Complexity from Individual Trees to Forest Stands. <b>2022</b> , 2022,	0
147	Is It Possible to Achieve Carbon Neutrality in Palm Oil Production?. <b>2022</b> , 71-79	0
146	Introduction to CO2 capture and conversion.	0
145	Blue carbon: A new paradigm of mangrove conservation and management in Indonesia. <b>2023</b> , 147, 105388	1
144	Intensive land management through policy intervention and spatiotemporal optimization can achieve carbon neutrality in advance. <b>2023</b> , 385, 135635	0
143	How does uncertainty of soil organic carbon stock affect the calculation of carbon budgets and soil carbon credits for croplands in the U.S. Midwest?. <b>2023</b> , 429, 116254	3
142	How does management affect soil C sequestration and greenhouse gas fluxes in boreal and temperate forests? [A review. <b>2023</b> , 529, 120637	1
141	Reconstruction of the water cycle process reveals the 600-year evolution of the human-water relationship in Tunpu, China. <b>2023</b> , 617, 128927	0
140	Tradeoffs and synergies in wetland multifunctionality: A scaling issue. <b>2023</b> , 862, 160746	0
139	Managed Forests and Methane: Recent Research and Prospects for Best Management Practices. <b>2022</b> ,	0
138	Biological Carbon Sequestration Technologies. <b>2022</b> ,	0
137	Quantification of economically feasible mitigation potential from agriculture, forestry and other land uses in Mexico. <b>2022</b> , 13, 594-607	0
136	Forest Soils and Greenhouse Gas Emissions in the Natural Forest, Degraded, and Plantation Ecosystems. <b>2022</b> ,	0
135	The Impact of the Russian-Ukrainian War on Europe's Forest-Based Bioeconomy. <b>2022</b> , 91, 63-82	0
134	The Role of Forests in the Implementation of Russia's Low-Carbon Development Strategy. <b>2022</b> , 507, 981-985	1

133	Soil carbon pools are affected by species identity and productivity in a tree common garden experiment. 5,	0
132	Trend of Vegetation and Environmental Factors and Their Feedback in the Karst Regions of Southwestern China. <b>2022</b> , 14, 15941	0
131	Better Forests, Better Cities.	0
130	Does biodiversity-focused protection of the seabed deliver carbon benefits? A U.K. case study.	0
129	Storing More Carbon by Improving Forest Management in the Acadian Forest of New England, USA. <b>2022</b> , 13, 2031	0
128	Natural Resource Manager Perceptions of Forest Carbon Management and Carbon Market Participation in Minnesota. <b>2022</b> , 13, 1949	0
127	Differences in soil organic matter between EcM - and AM -dominated forests depend on tree and fungal identity.	0
126	Energy transition research: A bibliometric mapping of current findings and direction for future research. <b>2022</b> , 3, 100026	1
125	A market inventory of construction wood for residential building in Europe In the light of the Green Deal and new circular economy ambitions. <b>2022</b> , 104370	2
124	Strategic reserves in Oregon's forests for biodiversity, water, and carbon to mitigate and adapt to climate change. 5,	0
123	Differences in land-based mitigation estimates reconciled by separating natural and land-use CO <sub>2</sub> fluxes at the country level. <b>2022</b> , 5, 1367-1376	0
122	Methane and nitrous oxide emissions complicate the climate benefits of teal and blue carbon wetlands. <b>2022</b> , 5, 1336-1341	0
121	Financing conservation at scale via visitor green fees. 10,	0
120	Smallholder farms have and can store more carbon than previously estimated.	0
119	Emission factor for emission reduction estimation in reduced impact logging. <b>2022</b> , 1115, 012038	0
118	Estimating Stand-Level Carbon Supply Curves for Loblolly Pine and Douglas-Fir Plantations.	0
117	The role of socialisation of the forest management system in Poland in the face of the need to mitigate climate change. <b>2022</b> ,	0
116	How large is the mitigation potential of natural climate solutions in China?.	0

115	Nature-based climate solutions require a mix of socioeconomic and governance attributes. <b>2022</b> , 25, 105699	0
114	Radical interventions for climate-impacted systems. <b>2022</b> , 12, 1100-1106	1
113	Long-term national climate strategies bet on forests and soils to reach net-zero. <b>2022</b> , 3,	1
112	Safeguarding eucalypt diversity through conservation-focused tree planting.	0
111	Threat management priorities for conserving Antarctic biodiversity. <b>2022</b> , 20, e3001921	1
110	Bacur'Drã: Indigenous forest custody as an effective climate change mitigation option. A case study from Dariñ, Panama. 4,	0
109	100 Important Questions about Bitcoin's Energy Use and ESG Impacts. <b>2023</b> , 14, 1	1
108	Establishing a climate target within the post-2020 Global Biodiversity Framework. <b>2022</b> , 1, e0000106	0
107	Economic and biophysical limits to seaweed farming for climate change mitigation.	0
106	Reply to Comments on Sea Breeze Geoengineering to Increase Rainfall over the Arabian Red Sea Coastal Plains 2022, 23, 1963-1964	2
105	Effect of cropland withdrawal on soil organic carbon in China, 1990-2018.	0
104	Estimation of Mangrove Blue Carbon in Three Semi-arid Lagoons in the Gulf of California. <b>2023</b> , 43,	0
103	The gap between mycorrhizal science and application: existence, origins, and relevance during the United Nation's Decade on Ecosystem Restoration.	0
102	Growth, De-growth, and Nature-Based Solutions. <b>2022</b> , 756-764	0
101	Listening for Change: Quantifying the Impact of Ecological Restoration on Soundscapes in a Tropical Dry Forest.	0
100	A Whole Earth Approach to Nature-Positive Food: Biodiversity and Agriculture. <b>2023</b> , 469-496	0
99	Integrated modeling framework for sustainable agricultural intensification. 6,	0
98	Climate. <b>2023</b> , 27-50	0

- 97 Livestock and Sustainable Food Systems: Status, Trends, and Priority Actions. **2023**, 375-399 ○
- 96 Mixed species natural forest regeneration trajectory in clear-felled monoculture plantation sites in Kenya: A step towards developing a natural forests restoration framework. ○
- 95 Carbon for soils, not soils for carbon. 1
- 94 The paradox of assessing greenhouse gases from soils for nature-based solutions. **2023**, 20, 15-26 ○
- 93 Assessing carbon stocks and accumulation potential of mature forests and larger trees in U.S. federal lands. 5, ○
- 92 Climate change adaptation behaviour of forest growers in New Zealand: an application of protection motivation theory. **2023**, 176, ○
- 91 Mapping soil organic carbon distribution across South Africa's major biomes using remote sensing-topo-climatic covariates and Concrete Autoencoder-Deep neural networks. **2023**, 865, 161150 ○
- 90 Development of tools to estimate the contribution of young sweet chestnut plantations to climate-change mitigation. **2023**, 530, 120761 ○
- 89 Evaluation of projected soil organic carbon stocks under future climate and land cover changes in South Africa using a deep learning approach. **2023**, 330, 117127 ○
- 88 Doing burden-sharing right to deliver natural climate solutions for carbon dioxide removal. **2023**, 3, 100048 ○
- 87 PRIORITIES OF SCIENTIFIC AND TECHNOLOGICAL DEVELOPMENT OF FORESTRY IN THE RUSSIAN FEDERATION. **2022**, 10, 164-180 ○
- 86 Classification of Tree Composition in the Forest Using Images from SENTINEL-2: A Case Study of Geomunoreum Forests Using NDVI Images. **2023**, 13, 303 ○
- 85 Introduction. **2023**, 1-6 ○
- 84 Energy justice and economic growth: Does democracy matter?. **2023**, ○
- 83 Avoiding emissions versus creating sinks Effectiveness and attractiveness to climate finance. ○
- 82 Contributions of plant breeding to soil carbon storage: Retrospect and prospects. ○
- 81 Large variations in afforestation-related climate cooling and warming effects across short distances. **2023**, 4, ○
- 80 Drought-induced increase in tree mortality and corresponding decrease in the carbon sink capacity of Canada's boreal forests from 1970 to 2020. ○

- 79 Perspectives of human-water co-evolution of blue-green water resources in subtropical areas. ○
- 78 A widely-used eddy covariance gap-filling method creates systematic bias in carbon balance estimates. **2023**, 13, ○
- 77 The economics of forest carbon sequestration: a bibliometric analysis. ○
- 76 The role of rice cultivation in changes in atmospheric methane concentration and the Global Methane Pledge. **2023**, 29, 2776-2789 ○
- 75 The Triple Challenge: synergies, trade-offs and integrated responses for climate, biodiversity, and human wellbeing goals. 1-18 ○
- 74 Kraals or bomas increase soil carbon and fertility across several biomes. **2023**, 40, 32-46 ○
- 73 Effects of forest degradation classification on the uncertainty of aboveground carbon estimates in the Amazon. **2023**, 18, ○
- 72 Our burgers eat carbon—Investigating the discourses of corporate net-zero commitments. **2023**, 142, 79-88 ○
- 71 Pitfalls in global grassland restoration challenge restoration programs and the science-policy dialogue. **2023**, 149, 110185 ○
- 70 Detecting low fragmented sites surrounding European protected areas—Implications for expansion of the Natura 2000 network. **2023**, 73, 126398 ○
- 69 Quantifying blue carbon stocks and the role of protected areas to conserve coastal wetlands. **2023**, 874, 162518 ○
- 68 A synthesis of the effect of regenerative agriculture on soil carbon sequestration in Southeast Asian croplands. **2023**, 349, 108450 ○
- 67 The role of oak species in long-term soil P loss in a humid river bottomland. **2023**, 227, 107125 ○
- 66 An overlooked soil carbon pool in vegetated coastal ecosystems: National-scale assessment of soil organic carbon stocks in coastal shelter forests of China. **2023**, 876, 162823 ○
- 65 Cost-effective restoration for carbon sequestration across Brazil's biomes. **2023**, 876, 162600 ○
- 64 Estimating the potential of international carbon markets to increase global climate ambition. **2023**, 167, 106257 ○
- 63 Advancing surrogate-rearing methods to enhance southern sea otter recovery. **2023**, 281, 109962 ○
- 62 Long-term impacts of ecosystem restoration on saturated hydraulic conductivity in the Loess Plateau. **2023**, 620, 129337 ○

- 61 Product-Specific human appropriation of net primary production in US counties. **2023**, 150, 110241 ○
- 60 Assessing habitat diversity and potential areas of similarity across protected areas globally. **2023**, 75, 102090 ○
- 59 Complementary ideas for the implementation of nature-based solutions. **2023**, 141, 146-157 ○
- 58 Comparing the cost-effectiveness of delivering environmental benefits through subsidies to farmers vs land purchase. **2023**, 279, 109913 ○
- 57 Remote sensing for cost-effective blue carbon accounting. **2023**, 238, 104337 ○
- 56 Soil organic carbon stocks by soil group for afforested soils in Ireland. **2023**, 32, e00615 ○
- 55 Lianas ( *Vitis* spp.) reduce growth and carbon sequestration of light-demanding tree species in a temperate forest. ○
- 54 Water use characteristics of the artificial forests black locust ( *Robinia pseudoacacia* ) and Chinese pine ( *Pinus tabulaeformis* ) on the Loess Plateau of China. ○
- 53 Carbon dioxide removal: What's worth doing? A biophysical and public need perspective. **2023**, 2, e0000124 ○
- 52 Research progress and application prospect of nature-based solutions in China. 11, ○
- 51 Potential of land-based climate change mitigation strategies on abandoned cropland. **2023**, 4, ○
- 50 Food Production and Amazon Preservation are Not Mutually Exclusive: Exploring Feasible Avenues from the Perspective of Land Use Related NDCs in Brazil. **2023**, 20, 492-504 ○
- 49 Transitional forestry in New Zealand: re-evaluating the design and management of forest systems through the lens of forest purpose. ○
- 48 Reimagining protected and conserved areas in Africa: Perspectives from the first Africa Protected Areas Congress. ○
- 47 Towards a synthesized critique of forest-based carbon-fix strategies. **2023**, 2, ○
- 46 The effects of the invasive species, *Lantana camara* , on regeneration of an African rainforest. ○
- 45 Key soil physicochemical properties regulating microbial community structure under vegetation restoration in a karst region. ○
- 44 Characteristics of NDVI Changes in the Altay Region from 1981 to 2018 and Their Relationship to Climatic Factors. **2023**, 12, 564 ○

- 43 Assessing the impact of carbon dioxide removal on the power system. **2023**, 26, 106303 ○
- 42 Ecosystem-based adaptation in Africa: integrating mitigation and adaptation. **2023**, 23, ○
- 41 Climate Change and Rising CO<sub>2</sub> Amplify the Impact of Land Use/Cover Change on Carbon Budget Differentially Across China. **2023**, 11, ○
- 40 Four-century history of land transformation by humans in the United States (1630-2020): annual and 1 km grid data for the HISTORY of LAND changes (HISLAND-US). **2023**, 15, 1005-1035 ○
- 39 Logging disrupts the ecology of molecules in headwater streams. ○
- 38 Long-term exclusion of invasive ungulates alters tree recruitment and functional traits but not total forest carbon. ○
- 37 Diverse carbon dioxide removal approaches could reduce impacts on the energy, water, and land system. **2023**, 13, 341-350 ○
- 36 Leveraging private lands to meet 2030 biodiversity targets in the United States. **2023**, 5, ○
- 35 Performance insurance for jurisdictional REDD+: Unlocking finance and increasing ambition in large-scale carbon crediting systems. 6, ○
- 34 Public authorities for transformative change: integration principle in public funding. ○
- 33 Influences of fern and vine coverage on the above-ground biomass recovery in a Bornean logged-over degraded secondary forest. 1-11 ○
- 32 Bibliography. **2023**, 571-652 ○
- 31 Managing carbon in the global biogeochemical cycle. **2023**, 455-501 ○
- 30 Grass-legume intercropping systems in rotation with soybean crops: C and N stocks and CO<sub>2</sub> and NH<sub>3</sub> emissions. ○
- 29 Pangenomes reveal genomic signatures of microbial adaptation to chronic soil warming. ○
- 28 Validation of Forest Vegetation Simulator Model Finds Overprediction of Carbon Growth in California. **2023**, 14, 604 ○
- 27 Optimizing Sampling Strategies for Near-Surface Soil Carbon Inventory: One Size Doesn't Fit All. **2023**, 7, 27 ○
- 26 Comprehensive review of carbon quantification by improved forest management offset protocols. 6, ○



25	Response of macrophyte litter decomposition in global blue carbon ecosystems to climate change.	1
24	Effects of climate and plant functional types on forest above-ground biomass accumulation. <b>2023</b> , 18,	0
23	Carbon storage and sequestration in Southeast Asian urban clusters under future land cover change scenarios (2015-2050). 11,	0
22	Estimating local agricultural gross domestic product (AgGDP) across the world. <b>2023</b> , 15, 1357-1387	0
21	Trophic rewilding can expand natural climate solutions. <b>2023</b> , 13, 324-333	0
20	Reconstructing Long-Term Forest Cover in China by Fusing National Forest Inventory and 20 Land Use and Land Cover Data Sets. <b>2023</b> , 128,	0
19	Where, who, and what counts under area-based conservation targets: A framework for identifying opportunities that benefit biodiversity, climate mitigation, and human communities.	0
18	Climate Change: Anticipating and Adapting to the Impacts on Terrestrial Species. <b>2023</b> ,	0
17	Learning from the past to guide the future: a SWOT-AHP analysis of tree-based land restoration endeavours in the Northern Sahel region of Cameroon. <b>2023</b> , 25, 15-26	0
16	Uncertainty in US forest carbon storage potential due to climate risks.	0
15	Quantifying the Effect Size of Management Actions on Aboveground Carbon Stocks in Forest Plantations.	0
14	Dynamic Analysis and Trend Forecast of China's Forestry Carbon Sink Benefits Based on Dual Carbon Targets.	0
13	Achieving conservation targets by jointly addressing climate change and biodiversity loss. <b>2023</b> , 14,	0
12	Relationship between Payment for Ecosystem Services Programs and Disasters in Southeast Atlantic Forest region, Brazil. <b>2023</b> , 95,	0
11	Achieving Biodiversity Conservation, Livelihood Security and Sustainable Development Goals Through Agroforestry in Coastal and Island Regions of India and Southeast Asia. <b>2023</b> , 429-486	0
10	The Embedded Agroecology of Coffee Agroforestry: A Contextualized Review of Smallholder Farmers' Adoption and Resistance. <b>2023</b> , 15, 6827	0
9	Estimations of REDD+ opportunity costs: Aligning methods with objectives. <b>2023</b> , 145, 188-199	0
8	Farmer-Managed Natural Regeneration in Africa: Evidence for Climate Change Mitigation and Adaptation in Drylands. <b>2023</b> , 53-88	0

- 7 Climate change due to increasing concentration of carbon dioxide and its impacts on environment in 21st century; A mini review. **2023**, 102693
- 6 Overcoming the coupled climate and biodiversity crises and their societal impacts. **2023**, 380,
- 5 Sustainable agriculture for food and nutritional security. **2023**, 25-90
- 4 Liana cutting in selectively logged forests increases both carbon sequestration and timber yields. **2023**, 539, 121038
- 3 Protect large trees for climate mitigation, biodiversity, and forest resilience.
- 2 Using passive acoustic monitoring to examine the impacts of ecological restoration on faunal biodiversity in the Western Ghats. **2023**, 282, 110071
- 1 Evaluation of policies and actions for nature-based solutions in nationally determined contributions. **2023**, 131, 106710