

Increased vegetation growth and carbon stock in China

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Ecological restoration enhances ecosystem health in the karst regions of southwest China. <i>Ecological Indicators</i> , 2018, 90, 416-425.	2.6	120
2	Did the ecological engineering have a great impact on the land use change?. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 690.	1.3	5
3	Major forest increase on the Loess Plateau, China (2001–2016). <i>Land Degradation and Development</i> , 2018, 29, 4080-4091.	1.8	34
4	Soil carbon and nitrogen accumulation following agricultural abandonment in a subtropical karst region. <i>Applied Soil Ecology</i> , 2018, 132, 169-178.	2.1	50
5	Response of net primary production to land use and land cover change in mainland China since the late 1980s. <i>Science of the Total Environment</i> , 2018, 639, 237-247.	3.9	152
6	Satellite images show China going green. <i>Nature</i> , 2018, 553, 411-413.	13.7	44
7	Reducing Uncertainties in Applying Remotely Sensed Land Use and Land Cover Maps in Land-Atmosphere Interaction: Identifying Change in Space and Time. <i>Remote Sensing</i> , 2018, 10, 506.	1.8	14
8	Profiling Human-Induced Vegetation Change in the Horqin Sandy Land of China Using Time Series Datasets. <i>Sustainability</i> , 2018, 10, 1068.	1.6	16
9	Co-regulation of photosynthetic capacity by nitrogen, phosphorus and magnesium in a subtropical Karst forest in China. <i>Scientific Reports</i> , 2018, 8, 7406.	1.6	24
10	China's progress towards sustainable land development and ecological civilization. <i>Landscape Ecology</i> , 2018, 33, 1647-1653.	1.9	51
11	Satellite-observed Major Greening and Biomass Increase in South China Karst During Recent Decade. <i>Earth's Future</i> , 2018, 6, 1017-1028.	2.4	143
12	Residences information extraction from Landsat imagery using the multi-parameter decision tree method. <i>Geocarto International</i> , 2019, 34, 1621-1633.	1.7	0
13	Large-scale diversity patterns in plants and ground beetles (Coleoptera: Carabidae) indicate a high biodiversity conservation value of China's restored temperate forest landscapes. <i>Diversity and Distributions</i> , 2019, 25, 1613-1624.	1.9	15
14	Trends and controls of terrestrial gross primary productivity of China during 2000–2016. <i>Environmental Research Letters</i> , 2019, 14, 084032.	2.2	66
15	Relationship of Abrupt Vegetation Change to Climate Change and Ecological Engineering with Multi-Timescale Analysis in the Karst Region, Southwest China. <i>Remote Sensing</i> , 2019, 11, 1564.	1.8	30
16	Responses of Soil and Microbial C:N:P Stoichiometry to Vegetation Succession in a Karst Region of Southwest China. <i>Forests</i> , 2019, 10, 755.	0.9	22
17	Revisiting assessments of ecosystem drought recovery. <i>Environmental Research Letters</i> , 2019, 14, 114028.	2.2	24
18	Tracking the Spatial–Temporal Evolution of Carbon Emissions in China from 1999 to 2015: A Land Use Perspective. <i>Sustainability</i> , 2019, 11, 4531.	1.6	11

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19	Karst landscapes of China: patterns, ecosystem processes and services. <i>Landscape Ecology</i> , 2019, 34, 2743-2763.	1.9	257
20	It is difficult for China's greening through large-scale afforestation to cross the Hu Line. <i>Science China Earth Sciences</i> , 2019, 62, 1662-1664.	2.3	20
21	Are Karst Rocky Desertification Areas Affected by Increasing Human Activity in Southern China? An Empirical Analysis from Nighttime Light Data. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4175.	1.2	10
22	Impacts of Chinese Grain for Green program and climate change on vegetation in the Loess Plateau during 1982-2015. <i>Science of the Total Environment</i> , 2019, 660, 177-187.	3.9	113
23	Seasonal Changes and Vertical Distribution of Fine Root Biomass During Vegetation Restoration in a Karst Area, Southwest China. <i>Frontiers in Plant Science</i> , 2018, 9, 2001.	1.7	41
24	Time Series of Landsat Imagery Shows Vegetation Recovery in Two Fragile Karst Watersheds in Southwest China from 1988 to 2016. <i>Remote Sensing</i> , 2019, 11, 2044.	1.8	26
25	Divergent vegetation responses to extreme spring and summer droughts in Southwestern China. <i>Agricultural and Forest Meteorology</i> , 2019, 279, 107703.	1.9	76
26	Plant functional diversity drives carbon storage following vegetation restoration in Loess Plateau, China. <i>Journal of Environmental Management</i> , 2019, 246, 668-678.	3.8	19
27	The Effect of the Grain for Green Program on Ecosystem Health in the Upper Reaches of the Yangtze River Basin: A Case Study of Eastern Sichuan, China. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2112.	1.2	6
28	Soil enzyme activity and stoichiometry along a gradient of vegetation restoration at the Karst Critical Zone Observatory in Southwest China. <i>Land Degradation and Development</i> , 2019, 30, 1916-1927.	1.8	30
29	Strengthening China's national biodiversity strategy to attain an ecological civilization. <i>Conservation Letters</i> , 2019, 12, e12660.	2.8	46
30	Ecological engineering projects increased vegetation cover, production, and biomass in semiarid and subhumid Northern China. <i>Land Degradation and Development</i> , 2019, 30, 1620-1631.	1.8	71
31	Socio-ecological changes on the Loess Plateau of China after Grain to Green Program. <i>Science of the Total Environment</i> , 2019, 678, 565-573.	3.9	154
32	Factors Affecting Long-Term Trends in Global NDVI. <i>Forests</i> , 2019, 10, 372.	0.9	67
33	Rock crevices determine woody and herbaceous plant cover in the karst critical zone. <i>Science China Earth Sciences</i> , 2019, 62, 1756-1763.	2.3	35
34	The Addition of Temperature to the TSS-RESTREND Methodology Significantly Improves the Detection of Dryland Degradation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 2342-2348.	2.3	9
35	Rapid Increase in the Lateral Transport of Trace Elements Induced by Soil Erosion in Major Karst Regions in China. <i>Environmental Science & Technology</i> , 2019, 53, 4206-4214.	4.6	27
36	Threshold effects of vegetation coverage on soil erosion control in small watersheds of the red soil hilly region in China. <i>Ecological Engineering</i> , 2019, 132, 109-114.	1.6	75

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37	Individual-level performance of nature reserves in forest protection and the effects of management level and establishment age. <i>Biological Conservation</i> , 2019, 233, 23-30.	1.9	41
38	Towards improved remote sensing based monitoring of dryland ecosystem functioning using sequential linear regression slopes (SeRGS). <i>Remote Sensing of Environment</i> , 2019, 224, 317-332.	4.6	27
39	The impact of the 2009/2010 drought on vegetation growth and terrestrial carbon balance in Southwest China. <i>Agricultural and Forest Meteorology</i> , 2019, 269-270, 239-248.	1.9	199
40	China and India lead in greening of the world through land-use management. <i>Nature Sustainability</i> , 2019, 2, 122-129.	11.5	1,636
41	Evaluate the spatio-temporal changes of vegetation and human activities in China's Wulingyuan Natural World Heritage Site. <i>E3S Web of Conferences</i> , 2019, 118, 04015.	0.2	0
42	Spatiotemporal Variation of Annual Runoff and Sediment Load in the Pearl River during 1953-2017. <i>Sustainability</i> , 2019, 11, 5007.	1.6	7
43	Influencing Indicators and Quantitative Assessment of Water Resources Security in Karst Region Based on PSER Model—The Case of Guizhou. <i>Sustainability</i> , 2019, 11, 5671.	1.6	7
44	Changes in soil nitrogen stocks following vegetation restoration in a typical karst catchment. <i>Land Degradation and Development</i> , 2019, 30, 60-72.	1.8	47
45	UAV based soil moisture remote sensing in a karst mountainous catchment. <i>Catena</i> , 2019, 174, 478-489.	2.2	42
46	Forest management in southern China generates short term extensive carbon sequestration. <i>Nature Communications</i> , 2020, 11, 129.	5.8	259
47	Nonlinear relationship of vegetation greening with nature and human factors and its forecast — A case study of Southwest China. <i>Ecological Indicators</i> , 2020, 111, 106009.	2.6	77
48	The challenge of soil loss control and vegetation restoration in the karst area of southwestern China. <i>International Soil and Water Conservation Research</i> , 2020, 8, 26-34.	3.0	40
49	Responses of soil diazotrophs to legume species and density in a karst grassland, southwest China. <i>Agriculture, Ecosystems and Environment</i> , 2020, 288, 106707.	2.5	22
50	Increasing carbon storage in subtropical forests over the Yangtze River basin and its relations to the major ecological projects. <i>Science of the Total Environment</i> , 2020, 709, 136163.	3.9	32
51	Plant and soil traits driving soil fungal community due to tree plantation on the Loess Plateau. <i>Science of the Total Environment</i> , 2020, 708, 134560.	3.9	33
52	Impact of land use/land cover change on the topsoil selenium concentration and its potential bioavailability in a karst area of southwest China. <i>Science of the Total Environment</i> , 2020, 708, 135201.	3.9	21
53	Soil carbon-nitrogen coupled accumulation following the natural vegetation restoration of abandoned farmlands in a karst rocky desertification region. <i>Ecological Engineering</i> , 2020, 158, 106033.	1.6	27
54	Dominant factors controlling runoff coefficients in karst watersheds. <i>Journal of Hydrology</i> , 2020, 590, 125486.	2.3	28

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55	Attribution of climate and human activities to vegetation change in China using machine learning techniques. <i>Agricultural and Forest Meteorology</i> , 2020, 294, 108146.	1.9	87
56	Comparison of soil microbial community between reseeding grassland and natural grassland in Songnen Meadow. <i>Scientific Reports</i> , 2020, 10, 16884.	1.6	11
57	Quantifying the impacts of lithology on vegetation restoration using a random forest model in a karst trough valley, China. <i>Ecological Engineering</i> , 2020, 156, 105973.	1.6	22
58	Soil nematode communities as indicators of soil health in different land use types in tropical area. <i>Nematology</i> , 2020, 22, 595-610.	0.2	19
59	Regions and Their Typical Paradigms for Soil and Water Conservation in China. <i>Chinese Geographical Science</i> , 2020, 30, 643-664.	1.2	7
60	Assessing the water footprint of afforestation in Inner Mongolia, China. <i>Journal of Arid Environments</i> , 2020, 182, 104257.	1.2	23
61	Anthropogenic climate change has driven over 5 million km ² of drylands towards desertification. <i>Nature Communications</i> , 2020, 11, 3853.	5.8	215
62	Vegetation greening intensified soil drying in some semi-arid and arid areas of the world. <i>Agricultural and Forest Meteorology</i> , 2020, 292-293, 108103.	1.9	38
63	Long-Term Cultivation of Fruit Plantations Decreases Mineralization and Nitrification Rates in Calcareous Soil in the Karst Region in Southwestern China. <i>Forests</i> , 2020, 11, 1282.	0.9	8
64	Driving forces of NPP change in debris flow prone area: A case study of a typical region in SW China. <i>Ecological Indicators</i> , 2020, 119, 106811.	2.6	14
65	Geomorphological indicators of karst environmental disturbance in the mountainous region of Jinan City, North China. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 780, 042047.	0.3	1
66	Large scale reforestation of farmlands on sloping hills in South China karst. <i>Landscape Ecology</i> , 2020, 35, 1445-1458.	1.9	47
67	The Regional Impact of Ecological Restoration in the Arid Steppe on Dust Reduction over the Metropolitan Area in Northeastern China. <i>Environmental Science & Technology</i> , 2020, 54, 7775-7786.	4.6	14
68	The effect of fracture properties on preferential flow in carbonate-derived laterite from karst mountainous agroforestry lands. <i>Soil and Tillage Research</i> , 2020, 203, 104670.	2.6	12
69	Do afforestation projects increase core forests? Evidence from the Chinese Loess Plateau. <i>Ecological Indicators</i> , 2020, 117, 106558.	2.6	35
70	Changes in ecosystem service values in karst areas of China. <i>Agriculture, Ecosystems and Environment</i> , 2020, 301, 107026.	2.5	56
71	Land use change induced ecological risk in the urbanized karst region of North China: a case study of Jinan city. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	9
72	Separating the relative contributions of climate change and ecological restoration to runoff change in a mesoscale karst basin. <i>Catena</i> , 2020, 194, 104705.	2.2	22

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73	Moss biocrusts buffer the negative effects of karst rocky desertification on soil properties and soil microbial richness. <i>Plant and Soil</i> , 2022, 475, 153-168.	1.8	26
74	Global karst vegetation regime and its response to climate change and human activities. <i>Ecological Indicators</i> , 2020, 113, 106208.	2.6	35
75	Reasons for the Survival of Tropical Forest Fragments in Xishuangbanna, Southwest China. <i>Forests</i> , 2020, 11, 159.	0.9	9
76	Characteristics of carbon, water, and energy fluxes on abandoned farmland revealed by critical zone observation in the karst region of southwest China. <i>Agriculture, Ecosystems and Environment</i> , 2020, 292, 106821.	2.5	18
77	Fragility of karst ecosystem and environment: Long-term evidence from lake sediments. <i>Agriculture, Ecosystems and Environment</i> , 2020, 294, 106862.	2.5	20
78	Satellite Monitoring of Natural Reforestation Efforts in China's Drylands. <i>One Earth</i> , 2020, 2, 98-108.	3.6	24
79	Combined effects of moss crusts and pine needles on evaporation of carbonate-derived laterite from karst mountainous lands. <i>Journal of Hydrology</i> , 2020, 586, 124859.	2.3	8
80	Stand Structure and Abiotic Factors Modulate Karst Forest Biomass in Southwest China. <i>Forests</i> , 2020, 11, 443.	0.9	23
81	Effect of temperature and moist conditions on seed dormancy cycling of two sympatric limestone species, <i>Begonia guishanensis</i> and <i>Paraisometrum mileense</i> , in southern China. <i>Seed Science Research</i> , 2020, 30, 29-36.	0.8	3
82	Estimating Carbon Sequestration Potential in Vegetation by Distance-Constrained Zonal Analysis. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 1352-1356.	1.4	7
83	Understanding the relationships between ecosystem services and associated social-ecological drivers in a karst region: A case study of Guizhou Province, China. <i>Progress in Physical Geography</i> , 2021, 45, 98-114.	1.4	49
84	Divergent responses of ecosystem water-use efficiency to extreme seasonal droughts in Southwest China. <i>Science of the Total Environment</i> , 2021, 760, 143427.	3.9	77
85	Water depletion of climax forests over humid karst terrain: Patterns, controlling factors and implications. <i>Agricultural Water Management</i> , 2021, 244, 106541.	2.4	14
86	Ecological restoration is not sufficient for reconciling the trade-off between soil retention and water yield: A contrasting study from catchment governance perspective. <i>Science of the Total Environment</i> , 2021, 754, 142139.	3.9	31
87	Land-use and climate controls on aquatic carbon cycling and phototrophs in karst lakes of southwest China. <i>Science of the Total Environment</i> , 2021, 751, 141738.	3.9	18
88	Spatiotemporal tradeoffs and synergies in vegetation vitality and poverty transition in rocky desertification area. <i>Science of the Total Environment</i> , 2021, 752, 141770.	3.9	36
89	Bryophyte diversity is related to vascular plant diversity and microhabitat under disturbance in karst caves. <i>Ecological Indicators</i> , 2021, 120, 106947.	2.6	24
90	Decreased inorganic N supply capacity and turnover in calcareous soil under degraded rubber plantation in the tropical karst region. <i>Geoderma</i> , 2021, 381, 114754.	2.3	25

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91	Insights on the roles of climate and human activities to vegetation degradation and restoration in Beijing-Tianjin sandstorm source region. <i>Ecological Engineering</i> , 2021, 159, 106105.	1.6	18
92	Main controls on the denitrification rates during cropland revegetation in the southwest China Karst Critical Zone Observatory. <i>Agriculture, Ecosystems and Environment</i> , 2021, 308, 107228.	2.5	6
93	Exploring soil erosion trajectories and their divergent responses to driving factors: a model-based contrasting study in highly eroded mountain areas. <i>Environmental Science and Pollution Research</i> , 2021, 28, 14720-14738.	2.7	9
94	Increasing climate sensitivity of subtropical conifers along an aridity gradient. <i>Forest Ecology and Management</i> , 2021, 482, 118841.	1.4	18
95	Contribution of karst ecological restoration engineering to vegetation greening in southwest China during recent decade. <i>Ecological Indicators</i> , 2021, 121, 107081.	2.6	79
96	Changes in the biological N ₂ -fixation rates and diazotrophic community as vegetation recovers on abandoned farmland in a karst region of China. <i>Applied Soil Ecology</i> , 2021, 158, 103808.	2.1	10
97	Vegetation structural change and CO ₂ fertilization more than offset gross primary production decline caused by reduced solar radiation in China. <i>Agricultural and Forest Meteorology</i> , 2021, 296, 108207.	1.9	44
98	Forestation does not necessarily reduce soil erosion in a karst watershed in southwestern China. <i>Progress in Physical Geography</i> , 2021, 45, 82-97.	1.4	11
99	Bedrock-associated belowground and aboveground interactions and their implications for vegetation restoration in the karst critical zone of subtropical Southwest China. <i>Progress in Physical Geography</i> , 2021, 45, 7-19.	1.4	19
100	Ecological restoration impact on total terrestrial water storage. <i>Nature Sustainability</i> , 2021, 4, 56-62.	11.5	121
101	Effects of Vegetation Restoration on Regional Soil Moisture Content in the Humid Karst Areas—A Case Study of Southwest China. <i>Water (Switzerland)</i> , 2021, 13, 321.	1.2	12
102	Progress and prospects of applied research on physical geography and the living environment in China over the past 70 years (1949–2019). <i>Journal of Chinese Geography</i> , 2021, 31, 3-45.	1.5	6
103	Vegetation recovery alters soil N status in subtropical karst plateau area: Evidence from natural abundance $\delta^{15}N$ and $\delta^{18}O$. <i>Plant and Soil</i> , 2021, 460, 609-623.	1.8	6
104	Climate and land use influences on changing spatiotemporal patterns of mountain vegetation cover in southwest China. <i>Ecological Indicators</i> , 2021, 121, 107193.	2.6	51
105	Rural–Urban Migration and Conservation Drive the Ecosystem Services Improvement in China Karst: A Case Study of Huanjiang County, Guangxi. <i>Remote Sensing</i> , 2021, 13, 566.	1.8	16
106	Vegetation dynamics and its response to driving factors in typical karst regions, Guizhou Province, China. <i>Frontiers of Earth Science</i> , 2021, 15, 167-183.	0.9	12
107	Spatiotemporal Patterns of Ecosystem Restoration Activities and Their Effects on Changes in Terrestrial Gross Primary Production in Southwest China. <i>Remote Sensing</i> , 2021, 13, 1209.	1.8	4
108	Impact of Rocky Desertification Control on Soil Bacterial Community in Karst Graben Basin, Southwestern China. <i>Frontiers in Microbiology</i> , 2021, 12, 636405.	1.5	16

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109	How Large-Scale Anthropogenic Activities Influence Vegetation Cover Change in China? A Review. <i>Forests</i> , 2021, 12, 320.	0.9	29
110	Climate Variability Rather Than Livestock Grazing Dominates Changes in Alpine Grassland Productivity Across Tibet. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	28
111	Contribution of soil microbial necromass to SOC stocks during vegetation recovery in a subtropical karst ecosystem. <i>Science of the Total Environment</i> , 2021, 761, 143945.	3.9	31
112	Reexamine China's terrestrial ecosystem carbon balance under land use-type and climate change. <i>Land Use Policy</i> , 2021, 102, 105275.	2.5	48
113	The effect of land use change and soil redistribution on soil organic carbon dynamics in karst graben basin of China. <i>Journal of Soils and Sediments</i> , 2021, 21, 2511-2524.	1.5	10
114	Relationship between multi-scale climate factors and performance of ecological engineering on the Loess Plateau, China. <i>Journal of Forestry Research</i> , 2022, 33, 789-800.	1.7	6
115	Effects of ecosystem disturbance on nematode communities in calcareous and red soils: Comparison of taxonomic methods. <i>Soil Biology and Biochemistry</i> , 2021, 155, 108162.	4.2	6
116	Monitoring impacts of ecological engineering on ecosystem services with geospatial techniques in karst areas of SW China. <i>Geocarto International</i> , 2022, 37, 5091-5115.	1.7	11
117	Dynamic characteristics and driving factors of vegetation greenness under changing environments in Xinjiang, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 42516-42532.	2.7	28
118	Net primary production increases in the Yangtze River Basin within the latest two decades. <i>Global Ecology and Conservation</i> , 2021, 26, e01497.	1.0	18
119	How Can We Realize Sustainable Development Goals in Rocky Desertified Regions by Enhancing Crop Yield with Reduction of Environmental Risks?. <i>Remote Sensing</i> , 2021, 13, 1614.	1.8	3
120	Difference in hydraulic resistance between planted forest and naturally regenerated forest and its implications for ecosystem restoration in subtropical karst landscapes. <i>Journal of Hydrology</i> , 2021, 596, 126093.	2.3	10
121	Human activity vs. climate change: Distinguishing dominant drivers on LAI dynamics in karst region of southwest China. <i>Science of the Total Environment</i> , 2021, 769, 144297.	3.9	45
122	Soil carbon accumulation with increasing temperature under both managed and natural vegetation restoration in calcareous soils. <i>Science of the Total Environment</i> , 2021, 767, 145298.	3.9	29
123	Natural and anthropogenic forcings lead to contrasting vegetation response in long-term vs. short-term timeframes. <i>Journal of Environmental Management</i> , 2021, 286, 112249.	3.8	8
124	Land use effects on gross soil nitrogen transformations in karst desertification area. <i>Plant and Soil</i> , 2022, 475, 61-77.	1.8	11
126	Vegetation greening in more than 94% of the Yellow River Basin (YRB) region in China during the 21st century caused jointly by warming and anthropogenic activities. <i>Ecological Indicators</i> , 2021, 125, 107479.	2.6	59
127	Forest Quality Dynamic Change and Its Driving Factors Accompanied by Forest Transition in China. <i>Forests</i> , 2021, 12, 733.	0.9	9

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128	Win-win-win pathway for ecological restoration by balancing hydrological, ecological, and agricultural dimensions: Contrasting lessons from highly eroded agroforestry. <i>Science of the Total Environment</i> , 2021, 774, 145140.	3.9	21
129	Eco-environmental impacts of dams in the Yangtze River Basin, China. <i>Science of the Total Environment</i> , 2021, 774, 145743.	3.9	41
130	Combining gradual and abrupt analysis to detect variation of vegetation greenness on the loess areas of China. <i>Frontiers of Earth Science</i> , 2022, 16, 368-380.	0.9	4
131	Evaluating the effect of ecological policies from the pattern change of persistent green patchesâ€“A case study of Yan'an in China's Loess Plateau. <i>Ecological Informatics</i> , 2021, 63, 101305.	2.3	15
132	Climatic and non-climatic vegetation cover changes in the rangelands of Africa. <i>Global and Planetary Change</i> , 2021, 202, 103516.	1.6	7
133	Impacts of climate change and anthropogenic activities on vegetation change: Evidence from typical areas in China. <i>Ecological Indicators</i> , 2021, 126, 107648.	2.6	78
134	Complex anthropogenic interaction on vegetation greening in the Chinese Loess Plateau. <i>Science of the Total Environment</i> , 2021, 778, 146065.	3.9	57
135	The Ongoing Greening in Southwest China despite Severe Droughts and Drying Trends. <i>Remote Sensing</i> , 2021, 13, 3374.	1.8	7
136	Soil properties mediate ecosystem intrinsic water use efficiency and stomatal conductance via taxonomic diversity and leaf economic spectrum. <i>Science of the Total Environment</i> , 2021, 783, 146968.	3.9	5
137	Climate change and ecological engineering jointly induced vegetation greening in global karst regions from 2001 to 2020. <i>Plant and Soil</i> , 2022, 475, 193-212.	1.8	13
138	Assessing the large-scale plantâ€“water relations in the humid, subtropical Pearl River basin of China. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 4741-4758.	1.9	8
139	Accelerated increase in vegetation carbon sequestration in China after 2010: A turning point resulting from climate and human interaction. <i>Global Change Biology</i> , 2021, 27, 5848-5864.	4.2	127
140	Divergent impacts of droughts on vegetation phenology and productivity in the Yungui Plateau, southwest China. <i>Ecological Indicators</i> , 2021, 127, 107743.	2.6	49
141	Ecological restoration projects did not increase the value of all ecosystem services in Northeast China. <i>Forest Ecology and Management</i> , 2021, 495, 119340.	1.4	48
142	Transition in multi-dimensional leaf traits and their controls on water use strategies of co-occurring species along a soil limiting-resource gradient. <i>Ecological Indicators</i> , 2021, 128, 107838.	2.6	8
143	Disaggregating climatic and anthropogenic influences on vegetation changes in Beijing-Tianjin-Hebei region of China. <i>Science of the Total Environment</i> , 2021, 786, 147574.	3.9	30
144	Exploring ecological civilization performance and its determinants in emerging industrialized countries: A new evaluation system in the case of China. <i>Journal of Cleaner Production</i> , 2021, 315, 128051.	4.6	42
145	Policy-driven co-evolution of the foodâ€“waterâ€“ecosystemâ€“livelihood nexus in two ecosystem conservation hotspots in southern China. <i>Global Ecology and Conservation</i> , 2021, 30, e01789.	1.0	5

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146	Declining human activity intensity on alpine grasslands of the Tibetan Plateau. <i>Journal of Environmental Management</i> , 2021, 296, 113198.	3.8	35
147	Coupling analysis on ecological environment fragility and poverty in South China Karst. <i>Environmental Research</i> , 2021, 201, 111650.	3.7	53
148	Effects of vegetation restoration on soil properties along an elevation gradient in the karst region of southwest China. <i>Agriculture, Ecosystems and Environment</i> , 2021, 320, 107572.	2.5	32
149	Threshold effect of ecosystem services in response to climate change and vegetation coverage change in the Qinghai-Tibet Plateau ecological shelter. <i>Journal of Cleaner Production</i> , 2021, 318, 128592.	4.6	77
150	Spatiotemporal evolution of ecosystem service values in an area dominated by vegetation restoration: Quantification and mechanisms. <i>Ecological Indicators</i> , 2021, 131, 108191.	2.6	35
151	Drought reduces the effectiveness of ecological projects: Perspectives from the inter-annual variability of vegetation index. <i>Ecological Indicators</i> , 2021, 130, 108158.	2.6	10
152	The pairwise interaction of environmental factors for ecosystem services relationships in karst ecological priority protection and key restoration areas. <i>Ecological Indicators</i> , 2021, 131, 108125.	2.6	21
153	Effects of <i>Zanthoxylum bungeanum</i> planting on soil hydraulic properties and soil moisture in a karst area. <i>Agricultural Water Management</i> , 2021, 257, 107125.	2.4	16
154	Effects and implications of ecological restoration projects on ecosystem water use efficiency in the karst region of Southwest China. <i>Ecological Engineering</i> , 2021, 170, 106356.	1.6	20
155	Long-term water balance variation after revegetation on the southeastern edge of the Tengger Desert. <i>Ecological Indicators</i> , 2021, 131, 108216.	2.6	2
156	The formation of large macroaggregates induces soil organic carbon sequestration in short-term cropland restoration in a typical karst area. <i>Science of the Total Environment</i> , 2021, 801, 149588.	3.9	37
157	China's Land Cover Fraction Change during 2001–2015 Based on Remote Sensed Data Fusion between MCD12 and CCI-LC. <i>Remote Sensing</i> , 2021, 13, 341.	1.8	13
158	Climate change weakens the positive effect of human activities on karst vegetation productivity restoration in southern China. <i>Ecological Indicators</i> , 2020, 115, 106392.	2.6	65
159	Comparison of soil microbial community between planted woodland and natural grass vegetation on the Loess Plateau. <i>Forest Ecology and Management</i> , 2020, 460, 117817.	1.4	31
160	Ecological Effect of Ecological Engineering Projects on Low-Temperature Forest Cover in Great Khingan Mountain, China. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10625.	1.2	7
161	A global increase in tree cover extends the growing season length as observed from satellite records. <i>Science of the Total Environment</i> , 2022, 806, 151205.	3.9	3
162	Quantifying the spatiotemporal characteristics of multi-dimensional karst ecosystem stability with Landsat time series in southwest China. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 104, 102575.	1.4	8
163	Quantifying the supply-demand balance of ecosystem services and identifying its spatial determinants: A case study of ecosystem restoration hotspot in Southwest China. <i>Ecological Engineering</i> , 2022, 174, 106472.	1.6	22

#	ARTICLE	IF	CITATIONS
164	Relationships between lithology, topography, soil, and vegetation, and their implications for karst vegetation restoration. <i>Catena</i> , 2022, 209, 105831.	2.2	25
165	How can massive ecological restoration programs interplay with social-ecological systems? A review of research in the South China karst region. <i>Science of the Total Environment</i> , 2022, 807, 150723.	3.9	56
166	Terrestrial ecological restoration in China: identifying advances and gaps. <i>Environmental Sciences Europe</i> , 2021, 33, .	2.6	23
167	Drivers and impacts of changes in China's drylands. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 858-873.	12.2	255
168	Effect of Land Use and Land Cover Change on the Changes in Net Primary Productivity in Karst Areas of Southwest China: A Case Study of Huanjiang Maonan Autonomous County. <i>Journal of Resources and Ecology</i> , 2020, 11, .	0.2	0
169	Runoff change induced by vegetation recovery and climate change over carbonate and non-carbonate areas in the karst region of South-west China. <i>Journal of Hydrology</i> , 2022, 604, 127231.	2.3	10
170	Shift of soil fungal communities under afforestation in Nanliu River Basin, southwest China. <i>Journal of Environmental Management</i> , 2022, 302, 114130.	3.8	10
171	Global quantification of the bidirectional dependency between soil moisture and vegetation productivity. <i>Agricultural and Forest Meteorology</i> , 2022, 313, 108735.	1.9	26
172	Effects of vegetation restoration on soil carbon dynamics in Karst and non-karst regions in Southwest China: a synthesis of multi-source data. <i>Plant and Soil</i> , 2022, 475, 45-59.	1.8	12
173	Afforestation-induced large macroaggregate formation promotes soil organic carbon accumulation in degraded karst area. <i>Forest Ecology and Management</i> , 2022, 505, 119884.	1.4	14
174	Integration of multitrophic aquaculture approach with marine energy projects for management and restoration of coastal ecosystems of India. <i>Ecological Engineering</i> , 2022, 176, 106525.	1.6	7
175	Satellite evidence for China's leading role in restoring vegetation productivity over global karst ecosystems. <i>Forest Ecology and Management</i> , 2022, 507, 120000.	1.4	44
176	The spatiotemporal response of China's vegetation greenness to human socio-economic activities. <i>Journal of Environmental Management</i> , 2022, 305, 114304.	3.8	24
177	Vegetation recovery and recent degradation in different karst landforms of southwest China over the past two decades using GEE satellite archives. <i>Ecological Informatics</i> , 2022, 68, 101555.	2.3	18
179	Mixed Plantations Enhance More Soil Organic Carbon Stocks than Monocultures Across China: Implication for Optimizing Afforestation Strategies. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
180	Why Was Disturbed Grassland More Efficient in Soil Carbon and Nitrogen Sequestration than Woodlands in a Karst Slope Ecosystem, Southwest China?. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
181	From expansion to shrinkage: Exploring the evolution and transition of karst rocky desertification in karst mountainous areas of Southwest China. <i>Land Degradation and Development</i> , 2023, 34, 5662-5672.	1.8	6
182	The Dominant Driving Force of Forest Change in the Yangtze River Basin, China: Climate Variation or Anthropogenic Activities?. <i>Forests</i> , 2022, 13, 82.	0.9	11

#	ARTICLE	IF	CITATIONS
183	Green, poverty reduction and spatial spillover: an analysis from 21 provinces of China. <i>Environment, Development and Sustainability</i> , 2022, 24, 13610-13629.	2.7	14
184	Response and multiscenario simulation of trade-offs/synergies among ecosystem services to the Grain to Green Program: a case study of the Chengdu-Chongqing urban agglomeration, China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 33572-33586.	2.7	24
185	Integrating satellite-based passive microwave and optically sensed observations to evaluating the spatio-temporal dynamics of vegetation health in the red soil regions of southern China. <i>GIScience and Remote Sensing</i> , 2022, 59, 215-233.	2.4	4
186	Climate, CO ₂ , and Anthropogenic Drivers of Accelerated Vegetation Greening in the Haihe River Basin. <i>Remote Sensing</i> , 2022, 14, 268.	1.8	9
187	The global carbon sink potential of terrestrial vegetation can be increased substantially by optimal land management. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	65
188	Regional effect as a probe of atmospheric carbon dioxide reduction in southern China. <i>Journal of Cleaner Production</i> , 2022, 340, 130713.	4.6	4
189	Exploring ecosystem services trade-offs using the Bayesian belief network model for ecological restoration decision-making: A case study in Guizhou Province, China. <i>Ecological Indicators</i> , 2022, 135, 108569.	2.6	20
190	Threshold effects of vegetation coverage on runoff and soil loss in the Loess Plateau of China: A meta-analysis. <i>Geoderma</i> , 2022, 412, 115720.	2.3	30
191	Mixed plantations enhance more soil organic carbon stocks than monocultures across China: Implication for optimizing afforestation/reforestation strategies. <i>Science of the Total Environment</i> , 2022, 821, 153449.	3.9	16
192	Distinguishing ecological outcomes of pathways in the Grain for Green Program in the subtropical areas of China. <i>Environmental Research Letters</i> , 2022, 17, 024021.	2.2	6
193	A large but transient carbon sink from urbanization and rural depopulation in China. <i>Nature Sustainability</i> , 2022, 5, 321-328.	11.5	130
194	Large-scale forest conservation and restoration programs significantly contributed to land surface greening in China. <i>Environmental Research Letters</i> , 2022, 17, 024023.	2.2	8
195	Mapping Forest Restoration Probability and Driving Archetypes Using a Bayesian Belief Network and SOM: Towards Karst Ecological Restoration in Guizhou, China. <i>Remote Sensing</i> , 2022, 14, 780.	1.8	5
196	Quantifying Influences of Natural and Anthropogenic Factors on Vegetation Changes Based on Geodetector: A Case Study in the Poyang Lake Basin, China. <i>Remote Sensing</i> , 2021, 13, 5081.	1.8	32
197	Identifying trend shifts in vegetation greenness in China from 1982 to 2015. <i>Land Degradation and Development</i> , 2022, 33, 1434-1445.	1.8	8
198	A Planted Forest Mapping Method Based on Long-Term Change Trend Features Derived from Dense Landsat Time Series in an Ecological Restoration Region. <i>Remote Sensing</i> , 2022, 14, 961.	1.8	8
199	Publication characteristics, topic trends and knowledge domains of karst ecological restoration: a bibliometric and knowledge mapping analysis from 1991 to 2021. <i>Plant and Soil</i> , 2022, 475, 169-189.	1.8	11
200	Land cover change instead of solar radiation change dominates the forest GPP increase during the recent phase of the Shelterbelt Program for Pearl River. <i>Ecological Indicators</i> , 2022, 136, 108664.	2.6	9

#	ARTICLE	IF	CITATIONS
201	Response of Ecosystem Health to Land Use Changes and Landscape Patterns in the Karst Mountainous Regions of Southwest China. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3273.	1.2	23
202	Vegetation dynamics in response to climate change and human activities in the Hulun Lake basin from 1981 to 2019. <i>Ecological Indicators</i> , 2022, 136, 108700.	2.6	20
203	Bicarbonate uptake experiment show potential karst carbon sinks transformation into carbon sequestration by terrestrial higher plants. <i>Journal of Plant Interactions</i> , 2022, 17, 419-426.	1.0	6
204	Remotely Monitoring Vegetation Productivity in Two Contrasting Subtropical Forest Ecosystems Using Solar-Induced Chlorophyll Fluorescence. <i>Remote Sensing</i> , 2022, 14, 1328.	1.8	1
205	Response of surface-soil quality to secondary succession in karst areas in Southwest China: Case study on a limestone slope. <i>Ecological Engineering</i> , 2022, 178, 106581.	1.6	15
206	Anthropogenic control of coupled changes in organic and inorganic carbon burial in karst landscape: Sediment evidence from two lakes of subtropical China. <i>Ecological Indicators</i> , 2022, 138, 108811.	2.6	2
207	Advantage of mixed trees in the trade-off between soil water storage and tree biomass: A meta-analysis from artificially planted forests in Chinese Loess Plateau. <i>Catena</i> , 2022, 214, 106232.	2.2	4
208	Effectiveness of protected areas edges on vegetation greenness, cover and productivity on the Tibetan Plateau, China. <i>Landscape and Urban Planning</i> , 2022, 224, 104421.	3.4	15
209	Land use change induced by the implementation of ecological restoration Programs increases future terrestrial ecosystem carbon sequestration in red soil hilly region of China. <i>Ecological Indicators</i> , 2021, 133, 108409.	2.6	20
210	Monitoring the Reduced Resilience of Forests in Southwest China Using Long-Term Remote Sensing Data. <i>Remote Sensing</i> , 2022, 14, 32.	1.8	7
211	Nonlinear characteristics of the vegetation change and its response to climate change in the karst region of southwest China. <i>Progress in Physical Geography</i> , 2022, 46, 497-514.	1.4	2
212	Tracking Sustainable Restoration in Agro-Pastoral Ecotone of Northwest China. <i>Remote Sensing</i> , 2021, 13, 5031.	1.8	7
213	Examining the efficacy of revegetation practices in ecosystem restoration programs: insights from a hotspot of sandstorm in northern China. <i>Frontiers of Earth Science</i> , 2021, 15, 922-935.	0.9	1
214	Spatiotemporal patterns of vegetation conversion under the Grain for Green Program in southwest China. <i>Conservation Science and Practice</i> , 2022, 4, .	0.9	3
215	Large scale rocky desertification reversal in South China karst. <i>Progress in Physical Geography</i> , 2022, 46, 661-675.	1.4	17
216	Impacts of forestland vegetation restoration on soil moisture content in humid karst region: A case study on a limestone slope. <i>Ecological Engineering</i> , 2022, 180, 106648.	1.6	13
219	How to Balance Green and Grain in Marginal Mountainous Areas?. <i>Earth's Future</i> , 2022, 10, .	2.4	15
220	Projected global warming-induced terrestrial ecosystem carbon across China under SSP scenarios. <i>Ecological Indicators</i> , 2022, 139, 108963.	2.6	14

#	ARTICLE	IF	CITATIONS
221	Topography regulates the responses of water partitioning to climate and vegetation seasonality. <i>Science of the Total Environment</i> , 2022, 838, 156028.	3.9	3
222	Ecological Engineering Projects Shifted the Dominance of Human Activity and Climate Variability on Vegetation Dynamics. <i>Remote Sensing</i> , 2022, 14, 2386.	1.8	7
223	Climate change enhances the positive contribution of human activities to vegetation restoration in China. <i>Geocarto International</i> , 2022, 37, 13479-13499.	1.7	10
224	Improving the integrated efficacy of ecosystem restoration efforts by linking land degradation neutrality to ecosystem service enhancement from a spatial association perspective. <i>Ecological Engineering</i> , 2022, 181, 106693.	1.6	8
225	Responses of vegetation phenology to the asymmetric changes of temperature in daytime and nighttime in the north of 20°N. <i>International Journal of Climatology</i> , 0, , .	1.5	2
226	Spatio-temporal patterns of oasis dynamics in China's drylands between 1987 and 2017. <i>Environmental Research Letters</i> , 2022, 17, 064044.	2.2	11
227	Bundling evaluating changes in ecosystem service under karst rocky desertification restoration: projects a case study of Huajiang-Guanling, Guizhou province, Southwest China. <i>Environmental Earth Sciences</i> , 2022, 81, .	1.3	5
228	Generalized Additive Model Reveals Nonlinear Trade-Offs/Synergies between Relationships of Ecosystem Services for Mountainous Areas of Southwest China. <i>Remote Sensing</i> , 2022, 14, 2733.	1.8	7
229	Dynamic Variation of Ecosystem Services Value under Land Use/Cover Change in the Black Soil Region of Northeastern China. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7533.	1.2	5
230	Quantifying the contributions of climate change and human activities to vegetation dynamic in China based on multiple indices. <i>Science of the Total Environment</i> , 2022, 838, 156553.	3.9	33
231	A novel multi-model fusion framework diagnoses the complex variation characteristics of ecological indicators and quantitatively reveals their driving mechanism. <i>Journal of Environmental Management</i> , 2022, 318, 115592.	3.8	3
232	The Shift of Soil Bacterial Community After Afforestation Influence Soil Organic Carbon and Aggregate Stability in Karst Region. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	19
233	Non-growing season drought legacy effects on vegetation growth in southwestern China. <i>Science of the Total Environment</i> , 2022, 846, 157334.	3.9	10
234	Temporal Variation of Soil Moisture and Its Influencing Factors in Karst Areas of Southwest China from 1982 to 2015. <i>Water (Switzerland)</i> , 2022, 14, 2185.	1.2	4
235	Spatiotemporal variations and driving mechanisms of vegetation coverage in the Wumeng Mountainous Area, China. <i>Ecological Informatics</i> , 2022, 70, 101737.	2.3	10
236	Quantifying the influences of climate change and human activities on the grassland in the Southwest Transboundary Basin, China. <i>Journal of Environmental Management</i> , 2022, 319, 115612.	3.8	5
237	Spatiotemporal variations in evapotranspiration and transpiration fraction following changes in climate and vegetation in a karst basin of southwest China. <i>Journal of Hydrology</i> , 2022, 612, 128216.	2.3	7
238	Zoning for ecosystem restoration based on ecological network in mountainous region. <i>Ecological Indicators</i> , 2022, 142, 109138.	2.6	33

#	ARTICLE	IF	CITATIONS
239	A long-term reconstructed TROPOMI solar-induced fluorescence dataset using machine learning algorithms. <i>Scientific Data</i> , 2022, 9, .	2.4	17
240	Temporal Changes in Land Use, Vegetation, and Productivity in Southwest China. <i>Land</i> , 2022, 11, 1331.	1.2	2
241	Comparison of Aboveground Vegetation and Soil Seed Bank Composition among Three Typical Vegetation Types in the Karst Regions of Southwest China. <i>Agronomy</i> , 2022, 12, 1871.	1.3	2
242	Analysis Long-Term and Spatial Changes of Forest Cover in Typical Karst Areas of China. <i>Land</i> , 2022, 11, 1349.	1.2	19
243	A Review of Ecological Assets and Ecological Products Supply: Implications for the Karst Rocky Desertification Control. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 10168.	1.2	13
244	Effect of Recycled Bagasse on Cracking Behavior of Clay Materials. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-10.	1.0	0
245	Remarkable improvement of ecosystem service values promoted by land use/land cover changes on the Yungui Plateau of China during 2001–2020. <i>Ecological Indicators</i> , 2022, 142, 109303.	2.6	18
246	Assessing the impacts of human disturbance on ecosystem services under multiple scenarios in karst areas of China: Insight from ecological conservation red lines effectiveness. <i>Ecological Indicators</i> , 2022, 142, 109202.	2.6	21
247	Mountain forest biomass dynamics and its drivers in southwestern China between 1979 and 2017. <i>Ecological Indicators</i> , 2022, 142, 109289.	2.6	6
248	Spatiotemporal evolutionary and mechanism analysis of grassland GPP in China. <i>Ecological Indicators</i> , 2022, 143, 109323.	2.6	7
249	Spatiotemporal evolution of urban-agricultural-ecological space in China and its driving mechanism. <i>Journal of Cleaner Production</i> , 2022, 371, 133684.	4.6	12
250	Ecological restoration programs dominate vegetation greening in China. <i>Science of the Total Environment</i> , 2022, 848, 157729.	3.9	52
251	Long-term soil management practices influence the rhizosphere microbial community structure and bacterial function of hilly apple orchard soil. <i>Applied Soil Ecology</i> , 2022, 180, 104627.	2.1	11
252	China's sustainable development evolution and its driving mechanism. <i>Ecological Indicators</i> , 2022, 143, 109390.	2.6	4
253	Land use optimization in Ningbo City with a coupled GA and PLUS model. <i>Journal of Cleaner Production</i> , 2022, 375, 134004.	4.6	46
254	Ecological risk changes and their relationship with exposed surface fraction in the karst region of southern China from 1990 to 2020. <i>Journal of Environmental Management</i> , 2022, 323, 116206.	3.8	11
255	The importance of fine root protection in topsoil carbon and nitrogen sequestration following land-use changes on sloping karst ecosystems. <i>Catena</i> , 2023, 220, 106660.	2.2	3
256	Vegetation Dynamics in Response to Climate Change and Human Activities in a Typical Alpine Region in the Tibetan Plateau. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 12359.	1.2	9

#	ARTICLE	IF	CITATIONS
257	Increased forest coverage will induce more carbon fixation in vegetation than in soil during 2015–2060 in China based on CMIP6. <i>Environmental Research Letters</i> , 2022, 17, 105002.	2.2	6
258	The COVID-19 pandemic changes citizens' visual aesthetic perceptions and attitudes toward restored landscape in the karst area in China. <i>Restoration Ecology</i> , 2023, 31, .	1.4	1
259	Spatial–temporal pattern of vegetation carbon sequestration and its response to rocky desertification control measures in a karst area, in Guangxi Province, China. <i>Land Degradation and Development</i> , 2023, 34, 665-681.	1.8	5
260	Estimating the effects of urban green regions in terms of diffusion. <i>Environment and Planning B: Urban Analytics and City Science</i> , 0, , 239980832211315.	1.0	0
261	Spatiotemporal change in ecosystem service value in response to land use change in Guizhou Province, southwest China. <i>Ecological Indicators</i> , 2022, 144, 109514.	2.6	27
262	Land degradation neutrality: A review of progress and perspectives. <i>Ecological Indicators</i> , 2022, 144, 109530.	2.6	24
263	Improvement of ecosystem quality in National Key Ecological Function Zones in China during 2000–2015. <i>Journal of Environmental Management</i> , 2022, 324, 116406.	3.8	13
264	Desertification in China: Role of Natural Succession in the Sustainable Revegetation of Drylands. <i>Earth and Environmental Sciences Library</i> , 2022, , 615-631.	0.3	0
266	Spatio-Temporal Analysis of the Effects of Human Activities on Habitat Quality: A Case Study of Guiyang City, Guizhou Province, China. <i>Land</i> , 2022, 11, 1837.	1.2	4
267	Vegetation Landscape Changes and Driving Factors of Typical Karst Region in the Anthropocene. <i>Remote Sensing</i> , 2022, 14, 5391.	1.8	3
268	Microbial properties determine dynamics of topsoil organic carbon stocks and fractions along an age-sequence of Mongolian pine plantations. <i>Plant and Soil</i> , 2023, 483, 441-457.	1.8	2
269	Assessment on spatiotemporal variations for minimum water consumption of vegetation in China based on constraint line method. <i>Journal of Cleaner Production</i> , 2022, 379, 134680.	4.6	1
270	Drought monitoring of sugarcane and dynamic variation characteristics under global warming: A case study of Guangxi, China. <i>Agricultural Water Management</i> , 2023, 275, 108035.	2.4	5
271	Scale-specific variation in daily suspended sediment load in karst catchments. <i>Catena</i> , 2023, 221, 106745.	2.2	1
272	Bedrock outcrops weakly promote rather than inhibit soil carbon sequestration after vegetation restoration. <i>Science of the Total Environment</i> , 2023, 858, 159470.	3.9	4
273	Rice and Greenhouse Identification in Plateau Areas Incorporating Sentinel-1/2 Optical and Radar Remote Sensing Data from Google Earth Engine. <i>Remote Sensing</i> , 2022, 14, 5727.	1.8	2
274	Selective removal of non-woody species released water limitation on vegetation community stagnated at early successional stages in a humid karst region. <i>Journal of Hydrology</i> , 2022, 615, 128714.	2.3	4
275	Contributory factors of the secular trends to changes in ecosystem water-use efficiency in China. <i>Journal of Hydrology</i> , 2022, 615, 128690.	2.3	5

#	ARTICLE	IF	CITATIONS
276	Future climate imposes pressure on vulnerable ecological regions in China. <i>Science of the Total Environment</i> , 2023, 858, 159995.	3.9	7
277	The Carbon Sink Potential of Southern China After Two Decades of Afforestation. <i>Earth's Future</i> , 2022, 10, .	2.4	25
278	Impacts of land use/land cover and soil property changes on soil erosion in the black soil region, China. <i>Journal of Environmental Management</i> , 2023, 328, 117024.	3.8	15
279	Ecosystem water use efficiency was enhanced by the implementation of forest conservation and restoration programs in China. <i>Journal of Hydrology</i> , 2023, 617, 128979.	2.3	2
280	Linking bacterial life strategies with soil organic matter accrual by karst vegetation restoration. <i>Soil Biology and Biochemistry</i> , 2023, 177, 108925.	4.2	15
281	Roles of the stolon and erect grass species in surface–subsurface flow generation and red soil loss. <i>Journal of Hydrology</i> , 2023, 617, 128827.	2.3	1
282	Processes and mechanisms of vegetation ecosystem responding to climate and ecological restoration in China. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	6
284	Trend of Vegetation and Environmental Factors and Their Feedback in the Karst Regions of Southwestern China. <i>Sustainability</i> , 2022, 14, 15941.	1.6	1
285	Quantifying the Ecological Effectiveness of Poverty Alleviation Relocation in Karst Areas. <i>Remote Sensing</i> , 2022, 14, 5920.	1.8	4
286	Evolution and Simulation of Terrestrial Ecosystem Carbon Storage and Sustainability Assessment in Karst Areas: A Case Study of Guizhou Province. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 16219.	1.2	5
287	Characterization of spatio-temporal patterns of grassland utilization intensity in the Selinco watershed of the Qinghai-Tibetan Plateau from 2001 to 2019 based on multisource remote sensing and artificial intelligence algorithms. <i>GIScience and Remote Sensing</i> , 2022, 59, 2217-2246.	2.4	6
288	Partitioned Soil Water Balance and Its Link With Water Uptake Strategy Under Apple Trees in the Loess–Covered Region. <i>Water Resources Research</i> , 2023, 59, .	1.7	4
289	Enlightenment from mitigation of human-perceived heat stress risk in Southwest China during the period 1961–2019. <i>Journal of Cleaner Production</i> , 2023, 385, 135707.	4.6	2
290	A daily and 500-m coupled evapotranspiration and gross primary production product across China during 2000–2020. <i>Earth System Science Data</i> , 2022, 14, 5463-5488.	3.7	24
291	Microbial Community and Their Potential Functions after Natural Vegetation Restoration in Gullies of Farmland in Mollisols of Northeast China. <i>Land</i> , 2022, 11, 2231.	1.2	0
292	Ecological Quality Evolution and Its Driving Factors in Yunnan Karst Rocky Desertification Areas. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 16904.	1.2	2
293	Unraveling Trade-Offs Among Reforestation, Urbanization, and Food Security in the South China Karst Region: How Can a Hinterland Province Achieve SDGs?. <i>Earth's Future</i> , 2022, 10, .	2.4	5
294	Multisource remote sensing data facilitate ecohydrological simulations without runoff calibration. <i>Hydrological Processes</i> , 2022, 36, .	1.1	0

#	ARTICLE	IF	CITATIONS
295	China's Greening Modulated the Reallocation of the Evapotranspiration Components during 2001–2020. <i>Remote Sensing</i> , 2022, 14, 6327.	1.8	1
296	LANDSCAPE CHANGE OF LAND USE IN THE KARST REGION OF JINAN CITY, NORTH CHINA. <i>Journal of Environmental Engineering and Landscape Management</i> , 2023, 31, 1-8.	0.4	0
297	Estimating Aboveground Carbon Dynamic of China Using Optical and Microwave Remote-Sensing Datasets from 2013 to 2019. <i>Journal of Remote Sensing</i> , 2023, 3, .	3.2	5
298	Altered energy dynamics of multitrophic groups modify the patterns of soil CO ₂ emissions in planted forest. <i>Soil Biology and Biochemistry</i> , 2023, 178, 108953.	4.2	6
299	Restored vegetation is more resistant to extreme drought events than natural vegetation in Southwest China. <i>Science of the Total Environment</i> , 2023, 866, 161250.	3.9	10
300	Afforestation promotes ecosystem multifunctionality in a hilly area of the Loess Plateau. <i>Catena</i> , 2023, 223, 106905.	2.2	3
301	Increased precipitation weakens the positive effect of vegetation greening on erosion. <i>Geocarto International</i> , 2023, 38, .	1.7	0
302	Rural outmigration generates a carbon sink in South China karst. <i>Progress in Physical Geography</i> , 2023, 47, 655-667.	1.4	2
303	Farmland Hydrology Cycle and Agronomic Measures in Agroforestry for the Efficient Utilization of Water Resources under Karst Desertification Environments. <i>Forests</i> , 2023, 14, 453.	0.9	4
304	The Response of Rocky Desertification to the Development of Road Networks in Karst Ecologically Fragile Areas. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 3130.	1.2	0
305	Dynamic Assessment of Drought Risk of Sugarcane in Guangxi, China Using Coupled Multi-Source Data. <i>Remote Sensing</i> , 2023, 15, 1681.	1.8	2
306	Research on the Resilience Assessment of Rural Landscapes in the Context of Karst Rocky Desertification Control: A Case Study of Fanhua Village in Guizhou Province. <i>Forests</i> , 2023, 14, 733.	0.9	1
307	Anthropogenic activities dominated tropical forest carbon balance in two contrary ways over the Greater Mekong Subregion in the 21st century. <i>Global Change Biology</i> , 2023, 29, 3421-3432.	4.2	2
308	Soil aggregate stability and its response to overland runoff's sediment transport in karst peak-cluster depressions. <i>Journal of Hydrology</i> , 2023, 620, 129437.	2.3	5
309	Future changes and driving factors of global peak vegetation growth based on CMIP6 simulations. <i>Ecological Informatics</i> , 2023, 75, 102031.	2.3	7
310	Yield, carbon stock, and price dynamics of agroforestry tree species in district Mardan, Khyber Pakhtunkhwa, Pakistan. <i>Brazilian Journal of Biology</i> , 0, 84, .	0.4	0
311	Effects of distribution patterns of karst landscapes on runoff and sediment yield in karst watersheds. <i>Catena</i> , 2023, 223, 106947.	2.2	6
312	Soil organic carbon transfer in aggregates subjected to afforestation in karst region as indicated by ¹³ C natural abundance. <i>Forest Ecology and Management</i> , 2023, 531, 120798.	1.4	2

#	ARTICLE	IF	CITATIONS
313	Assessing the contribution of human activities and climate change to the dynamics of NPP in ecologically fragile regions. <i>Global Ecology and Conservation</i> , 2023, 42, e02393.	1.0	2
314	Asymmetric response of primary productivity to precipitation anomalies in Southwest China. <i>Agricultural and Forest Meteorology</i> , 2023, 331, 109350.	1.9	6
315	Spatio-Temporal Variations of Ecosystem Water Use Efficiency and Its Drivers in Southwest China. <i>Land</i> , 2023, 12, 397.	1.2	5
316	Response of heterotrophic respiration to vegetation restoration in a karst area of SW China. <i>Land Degradation and Development</i> , 0, , .	1.8	0
317	Impact of land use and land cover change on the landscape pattern and service value of the village ecosystem in the karst desertification control. <i>Frontiers in Environmental Science</i> , 0, 11, .	1.5	4
318	Research Progress of Grassland Ecosystem Structure and Stability and Inspiration for Improving Its Service Capacity in the Karst Desertification Control. <i>Plants</i> , 2023, 12, 770.	1.6	7
319	Response of OC, TN, and TP deposition mediated by aquatic photosynthetic community structures in shallow karst surface waters under different land uses. <i>Environmental Research</i> , 2023, 223, 115488.	3.7	1
320	Grain for Green Project May Not Threaten Ecosystem Sustainability by Degrading Water Availability in Humid Karst Landscapes. <i>Water Resources Research</i> , 2023, 59, .	1.7	4
321	Maps with 1 km resolution reveal increases in above- and belowground forest biomass carbon pools in China over the past 20 years. <i>Earth System Science Data</i> , 2023, 15, 897-910.	3.7	14
323	Climate Change and CO ₂ Fertilization Have Played Important Roles in the Recent Decadal Vegetation Greening Trend on the Chinese Loess Plateau. <i>Remote Sensing</i> , 2023, 15, 1233.	1.8	1
324	Regulation factors driving vegetation changes in China during the past 20 years. <i>Journal of Chinese Geography</i> , 2023, 33, 508-528.	1.5	5
325	Identifying the Landscape Security Pattern in Karst Rocky Desertification Area Based on Ecosystem Services and Ecological Sensitivity: A Case Study of Guanling County, Guizhou Province. <i>Forests</i> , 2023, 14, 613.	0.9	5
326	Methods, progress and prospect for diagnosis of karst ecosystem health in China—An overview. <i>Chinese Science Bulletin</i> , 2023, , .	0.4	1
327	Temporal and Spatial Change in Vegetation and Its Interaction with Climate Change in Argentina from 1982 to 2015. <i>Remote Sensing</i> , 2023, 15, 1926.	1.8	2
328	Spatiotemporal Features and Time-Lagged Effects of Drought on Terrestrial Ecosystem in Southwest China. <i>Forests</i> , 2023, 14, 781.	0.9	2
329	Water Retention Evaluation of Slab Trench on Rocky Desertification Slope in a Karst Area of Southwest China. <i>Water (Switzerland)</i> , 2023, 15, 1576.	1.2	0
330	Vegetation restoration thresholds under different vegetation types and altitude gradients in the Sichuan-Yunnan ecological shelter, China. <i>Journal of Environmental Management</i> , 2023, 340, 117910.	3.8	6
426	The structure and development of Loess Critical Zone and its soil carbon cycle. , 2024, 3, .		0

#	ARTICLE	IF	CITATIONS
445	Structure and Functioning of China's Dryland Ecosystems in a Changing Environment. , 2024, , 391-424.		0