

ä¼æ¸å

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7143398/publications.pdf>

Version: 2024-02-01

229
papers

15,490
citations

22153

59
h-index

20961

115
g-index

232
all docs

232
docs citations

232
times ranked

9770
citing authors

#	ARTICLE	IF	CITATIONS
1	Threshold of vapourâ€“pressure deficit constraint on light use efficiency varied with soil water content. <i>Ecohydrology</i> , 2022, 15, e2305.	2.4	6
2	A Trait-Based Approach for Understanding Changes in Carbon Sequestration in Semi-Arid Grassland During Succession. <i>Ecosystems</i> , 2022, 25, 155-171.	3.4	10
3	Determining critical thresholds of ecological restoration based on ecosystem service index: A case study in the Pingjiang catchment in southern China. <i>Journal of Environmental Management</i> , 2022, 303, 114220.	7.8	26
4	Enhanced coupling of light use efficiency and water use efficiency in arid and semiâ€“arid environments. <i>Ecohydrology</i> , 2022, 15, e2391.	2.4	5
5	Response to concerns about the African fire trends controlled by precipitation over recent decades. <i>Global Change Biology</i> , 2022, 28, .	9.5	0
6	Divergent change patterns observed in hydrological fluxes entering China's two largest lakes. <i>Science of the Total Environment</i> , 2022, 817, 152969.	8.0	3
7	Evaluation of ecosystem resilience to drought based on drought intensity and recovery time. <i>Agricultural and Forest Meteorology</i> , 2022, 314, 108809.	4.8	34
8	Untangling the interactions among the Sustainable Development Goals in China. <i>Science Bulletin</i> , 2022, 67, 977-984.	9.0	55
9	Finding pathways to synergistic development of Sustainable Development Goals in China. <i>Humanities and Social Sciences Communications</i> , 2022, 9, .	2.9	28
10	Contrasting impacts of forests on cloud cover based on satellite observations. <i>Nature Communications</i> , 2022, 13, 670.	12.8	42
11	Short-Term Grazing Exclusion Alters Soil Bacterial Co-occurrence Patterns Rather Than Community Diversity or Composition in Temperate Grasslands. <i>Frontiers in Microbiology</i> , 2022, 13, 824192.	3.5	6
12	Decoupling of SDGs followed by re-coupling as sustainable development progresses. <i>Nature Sustainability</i> , 2022, 5, 452-459.	23.7	107
13	Impacts of Future Climate Change and Atmospheric CO ₂ Concentration on Ecosystem Water Retention Service. <i>Earth's Future</i> , 2022, 10, .	6.3	4
14	Response of Ecohydrological Variables to Meteorological Drought under Climate Change. <i>Remote Sensing</i> , 2022, 14, 1920.	4.0	7
15	Sustainable city development challenged by extreme weather in a warming world. <i>Geography and Sustainability</i> , 2022, 3, 114-118.	4.3	6
16	Coupling human and natural systems for sustainability: experience from China's Loess Plateau. <i>Earth System Dynamics</i> , 2022, 13, 795-808.	7.1	48
17	Mapping the complexity of the food-energy-water nexus from the lens of Sustainable Development Goals in China. <i>Resources, Conservation and Recycling</i> , 2022, 183, 106357.	10.8	36
18	The vulnerability of ecosystem structure in the semi-arid area revealed by the functional trait networks. <i>Ecological Indicators</i> , 2022, 139, 108894.	6.3	6

#	ARTICLE	IF	CITATIONS
19	Identifying ecological security patterns based on the supply, demand and sensitivity of ecosystem service: A case study in the Yellow River Basin, China. <i>Journal of Environmental Management</i> , 2022, 315, 115158.	7.8	68
20	Spatiotemporal changes and driving forces of ecosystem vulnerability in the Yangtze River Basin, China: Quantification using habitat-structure-function framework. <i>Science of the Total Environment</i> , 2022, 835, 155494.	8.0	38
21	The Spatiotemporal Change of Glacier Runoff Is Comparably Attributed to Climatic Factors and Physical Properties in Northwestern China. <i>Remote Sensing</i> , 2022, 14, 2393.	4.0	2
22	Does having more sustainable communities bring better sustainability?. <i>Innovation(China)</i> , 2022, 3, 100267.	9.1	1
23	Divergent trends of ecosystem-scale photosynthetic efficiency between arid and humid lands across the globe. <i>Global Ecology and Biogeography</i> , 2022, 31, 1824-1837.	5.8	10
24	Evenness is important in assessing progress towards sustainable development goals. <i>National Science Review</i> , 2021, 8, nwaa238.	9.5	27
25	The Global-DEP conceptual framework – research on dryland ecosystems to promote sustainability. <i>Current Opinion in Environmental Sustainability</i> , 2021, 48, 17-28.	6.3	52
26	Improve forest restoration initiatives to meet Sustainable Development Goal 15. <i>Nature Ecology and Evolution</i> , 2021, 5, 10-13.	7.8	69
27	Integrating vegetation suitability in sustainable revegetation for the Loess Plateau, China. <i>Science of the Total Environment</i> , 2021, 759, 143572.	8.0	30
28	Improving representation of collective memory in socio-hydrological models and new insights into flood risk management. <i>Journal of Flood Risk Management</i> , 2021, 14, e12679.	3.3	15
29	Quantifying responses of net primary productivity to agricultural expansion in drylands. <i>Land Degradation and Development</i> , 2021, 32, 2050-2060.	3.9	13
30	A coupled human-natural system analysis of water yield in the Yellow River basin, China. <i>Science of the Total Environment</i> , 2021, 762, 143141.	8.0	30
31	Multilevel analysis of factors affecting participants' land reconversion willingness after the Grain for Green Program. <i>Ambio</i> , 2021, 50, 1394-1403.	5.5	12
32	Topsoil carbon-selective transport in an eroding soil landscape with vegetation restoration. <i>Land Degradation and Development</i> , 2021, 32, 2061-2073.	3.9	4
33	Editorial overview: Dryland social-ecological systems in changing environments. <i>Current Opinion in Environmental Sustainability</i> , 2021, 48, A1-A5.	6.3	8
34	Multifaceted characteristics of dryland aridity changes in a warming world. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 232-250.	29.7	281
35	Mapping Land Use/Cover Dynamics of the Yellow River Basin from 1986 to 2018 Supported by Google Earth Engine. <i>Remote Sensing</i> , 2021, 13, 1299.	4.0	31
36	Satellite-Observed Global Terrestrial Vegetation Production in Response to Water Availability. <i>Remote Sensing</i> , 2021, 13, 1289.	4.0	9

#	ARTICLE	IF	CITATIONS
37	Improved Global Maps of the Optimum Growth Temperature, Maximum Light Use Efficiency, and Gross Primary Production for Vegetation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005651.	3.0	14
38	Objective indicators contribute more than subjective beliefs to resident willingness to pay for ecosystem services on the Tibetan Plateau. <i>Journal of Environmental Management</i> , 2021, 285, 112048.	7.8	5
39	Spatial variation and influencing factors of the effectiveness of afforestation in China's Loess Plateau. <i>Science of the Total Environment</i> , 2021, 771, 144904.	8.0	36
40	Integrating ecosystem service supply and demand into ecological risk assessment: a comprehensive framework and case study. <i>Landscape Ecology</i> , 2021, 36, 2977-2995.	4.2	20
41	Root trait variation of seed plants from China and the primary drivers. <i>Journal of Biogeography</i> , 2021, 48, 2402-2417.	3.0	3
42	The contribution of ecosystem restoration to sustainable development goals in Asian drylands: A literature review. <i>Land Degradation and Development</i> , 2021, 32, 4472-4483.	3.9	20
43	Greater increases in China's dryland ecosystem vulnerability in drier conditions than in wetter conditions. <i>Journal of Environmental Management</i> , 2021, 291, 112689.	7.8	31
44	Terrestrial biodiversity threatened by increasing global aridity velocity under high-level warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	29
45	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.	9.5	127
46	Saturation of Global Terrestrial Carbon Sink Under a High Warming Scenario. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006800.	4.9	11
47	Alternative biome states of African terrestrial vegetation and the potential drivers: A continental-scale study. <i>Science of the Total Environment</i> , 2021, 800, 149489.	8.0	4
48	Fences undermine biodiversity targets. <i>Science</i> , 2021, 374, 269-269.	12.6	22
49	Drivers and impacts of changes in China's drylands. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 858-873.	29.7	255
50	Spatiotemporal Variations of Sediment Discharge and In-Reach Sediment Budget in the Yellow River From the Headwater to the Delta. <i>Water Resources Research</i> , 2021, 57, e2021WR030130.	4.2	18
51	Evidence of Differences in Covariation Among Root Traits Across Plant Growth Forms, Mycorrhizal Types, and Biomes. <i>Frontiers in Plant Science</i> , 2021, 12, 785589.	3.6	2
52	Distinct Responses of Leaf Traits to Environment and Phylogeny Between Herbaceous and Woody Angiosperm Species in China. <i>Frontiers in Plant Science</i> , 2021, 12, 799401.	3.6	6
53	Representation of biodiversity and ecosystem services in East Africa's protected area network. <i>Ambio</i> , 2020, 49, 245-257.	5.5	18
54	Frequency analyses of peak discharge and suspended sediment concentration in the United States. <i>Journal of Soils and Sediments</i> , 2020, 20, 1157-1168.	3.0	15

#	ARTICLE	IF	CITATIONS
55	Changes in global terrestrial ecosystem water use efficiency are closely related to soil moisture. <i>Science of the Total Environment</i> , 2020, 698, 134165.	8.0	71
56	Scale effects of sediment retention, water yield, and net primary production: A case study of the Chinese Loess Plateau. <i>Land Degradation and Development</i> , 2020, 31, 1408-1421.	3.9	52
57	Estimation of Global Grassland Net Ecosystem Carbon Exchange Using a Model Tree Ensemble Approach. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005034.	3.0	16
58	A retrospective analysis on changes in sediment flux in the Mississippi River system: trends, driving forces, and implications. <i>Journal of Soils and Sediments</i> , 2020, 20, 1719-1729.	3.0	15
59	A comprehensive quantification of global nitrous oxide sources and sinks. <i>Nature</i> , 2020, 586, 248-256.	27.8	814
60	Evolution and effects of the social-ecological system over a millennium in China's Loess Plateau. <i>Science Advances</i> , 2020, 6, .	10.3	105
61	Quantifying the Effects of Vegetation Restorations on the Soil Erosion Export and Nutrient Loss on the Loess Plateau. <i>Frontiers in Plant Science</i> , 2020, 11, 573126.	3.6	24
62	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. <i>Chinese Geographical Science</i> , 2020, 30, 427-445.	3.0	7
63	Effects of land-use patterns on soil carbon and nitrogen variations along revegetated hillslopes in the Chinese Loess Plateau. <i>Science of the Total Environment</i> , 2020, 746, 141156.	8.0	26
64	COVID-19 reveals the systemic nature of urban health globally. <i>Cities and Health</i> , 2020, , 1-5.	2.6	12
65	Assessing Impacts of Land Use/Land Cover Conversion on Changes in Ecosystem Services Value on the Loess Plateau, China. <i>Sustainability</i> , 2020, 12, 7128.	3.2	21
66	Contribution of plant traits to the explanation of temporal variations in carbon and water fluxes in semiarid grassland patches. <i>Journal of Plant Ecology</i> , 2020, 13, 773-784.	2.3	6
67	Permafrost thawing puts the frozen carbon at risk over the Tibetan Plateau. <i>Science Advances</i> , 2020, 6, eaaz3513.	10.3	117
68	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.	10.0	14
69	Sediment transport under increasing anthropogenic stress: Regime shifts within the Yellow River, China. <i>Ambio</i> , 2020, 49, 2015-2025.	5.5	10
70	Advancing landscape sustainability science: theoretical foundation and synergies with innovations in methodology, design, and application. <i>Landscape Ecology</i> , 2020, 35, 1-9.	4.2	35
71	Identification of climate variables dominating streamflow generation and quantification of streamflow decline in the Loess Plateau, China. <i>Science of the Total Environment</i> , 2020, 722, 137935.	8.0	23
72	Climate Extreme Versus Carbon Extreme: Responses of Terrestrial Carbon Fluxes to Temperature and Precipitation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005252.	3.0	29

#	ARTICLE	IF	CITATIONS
73	Global Dryland Ecosystem Programme (Global-DEP): Australasian consultation report. <i>Journal of Soils and Sediments</i> , 2020, 20, 1807-1810.	3.0	13
74	Classification“coordination”collaboration: a systems approach for advancing Sustainable Development Goals. <i>National Science Review</i> , 2020, 7, 838-840.	9.5	60
75	A systematic approach is needed to contain COVID-19 globally. <i>Science Bulletin</i> , 2020, 65, 876-878.	9.0	57
76	Larger Drought and Flood Hazards and Adverse Impacts on Population and Economic Productivity Under 2.0 than 1.5°C Warming. <i>Earth's Future</i> , 2020, 8, e2019EF001398.	6.3	25
77	Driving Factors of Land Change in China’s Loess Plateau: Quantification Using Geographically Weighted Regression and Management Implications. <i>Remote Sensing</i> , 2020, 12, 453.	4.0	39
78	Tree ring“based minimum temperature reconstruction in the central Hengduan Mountains, China. <i>Theoretical and Applied Climatology</i> , 2020, 141, 359-370.	2.8	21
79	Impacts of climate and vegetation leaf area index changes on global terrestrial water storage from 2002 to 2016. <i>Science of the Total Environment</i> , 2020, 724, 138298.	8.0	14
80	Changes of cropland evapotranspiration and its driving factors on the loess plateau of China. <i>Science of the Total Environment</i> , 2020, 728, 138582.	8.0	24
81	Nonlinear dynamics of fires in Africa over recent decades controlled by precipitation. <i>Global Change Biology</i> , 2020, 26, 4495-4505.	9.5	34
82	Evaluating the use of fire to control shrub encroachment in global drylands: A synthesis based on ecosystem service perspective. <i>Science of the Total Environment</i> , 2019, 648, 285-292.	8.0	18
83	Effects of plantation age and precipitation gradient on soil carbon and nitrogen changes following afforestation in the Chinese Loess Plateau. <i>Land Degradation and Development</i> , 2019, 30, 2298-2310.	3.9	32
84	Fingerprinting the sources of water-mobilized sediment threatening agricultural and water resource sustainability: Progress, challenges and prospects in China. <i>Science China Earth Sciences</i> , 2019, 62, 2017-2030.	5.2	22
85	Formulating an Elasticity Approach to Quantify the Effects of Climate Variability and Ecological Restoration on Sediment Discharge Change in the Loess Plateau, China. <i>Water Resources Research</i> , 2019, 55, 9604-9622.	4.2	21
86	Structure Disentanglement and Effect Analysis of the Arid Riverscape Social-Ecological System Using a Network Approach. <i>Sustainability</i> , 2019, 11, 5159.	3.2	0
87	Landscape functional zoning at a county level based on ecosystem services bundle: Methods comparison and management indication. <i>Journal of Environmental Management</i> , 2019, 249, 109315.	7.8	74
88	Slower vegetation greening faced faster social development on the landscape of the Belt and Road region. <i>Science of the Total Environment</i> , 2019, 697, 134103.	8.0	20
89	Pathways from payments for ecosystem services program to socioeconomic outcomes. <i>Ecosystem Services</i> , 2019, 39, 101005.	5.4	29
90	New Developments and Perspectives in Physical Geography in China. <i>Chinese Geographical Science</i> , 2019, 29, 363-371.	3.0	23

#	ARTICLE	IF	CITATIONS
91	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.	8.0	154
92	African dryland ecosystem changes controlled by soil water. <i>Land Degradation and Development</i> , 2019, 30, 1564-1573.	3.9	18
93	Recent Global Cropland Water Consumption Constrained by Observations. <i>Water Resources Research</i> , 2019, 55, 3708-3738.	4.2	26
94	Global Surface Soil Moisture Dynamics in 1979–2016 Observed from ESA CCI SM Dataset. <i>Water (Switzerland)</i> , 2019, 11, 883.	2.7	13
95	Unravelling the complexity in achieving the 17 sustainable-development goals. <i>National Science Review</i> , 2019, 6, 386-388.	9.5	245
96	Vegetation responses and trade-offs with soil-related ecosystem services after shrub removal: A meta-analysis. <i>Land Degradation and Development</i> , 2019, 30, 1219-1228.	3.9	6
97	Spatio-temporal characteristics and driving forces of landscape structure changes in the middle reach of the Heihe River Basin from 1990 to 2015. <i>Landscape Ecology</i> , 2019, 34, 755-770.	4.2	18
98	Vulnerability assessment of the global water erosion tendency: Vegetation greening can partly offset increasing rainfall stress. <i>Land Degradation and Development</i> , 2019, 30, 1061-1069.	3.9	23
99	Inter-comparison of stable isotope mixing models for determining plant water source partitioning. <i>Science of the Total Environment</i> , 2019, 666, 685-693.	8.0	90
100	Quantifying the spatio-temporal drivers of planned vegetation restoration on ecosystem services at a regional scale. <i>Science of the Total Environment</i> , 2019, 650, 1029-1040.	8.0	115
101	The synergistic effects of afforestation and the construction of check-dams on sediment trapping: Four decades of evolution on the Loess Plateau, China. <i>Land Degradation and Development</i> , 2019, 30, 622-635.	3.9	22
102	Soil moisture–plant interactions: an ecohydrological review. <i>Journal of Soils and Sediments</i> , 2019, 19, 1-9.	3.0	90
103	A framework for the regional critical zone classification: the case of the Chinese Loess Plateau. <i>National Science Review</i> , 2019, 6, 14-18.	9.5	20
104	Canopy transpiration and stand water balance between two contrasting hydrological years in three typical shrub communities on the semiarid Loess Plateau of China. <i>Ecohydrology</i> , 2019, 12, e2064.	2.4	15
105	Effects of minimum soil disturbance practices on controlling water erosion in China's slope farmland: A meta-analysis. <i>Land Degradation and Development</i> , 2019, 30, 706-716.	3.9	15
106	Dissolved carbon fluxes in a vegetation restoration area of an eroding landscape. <i>Water Research</i> , 2019, 152, 106-116.	11.3	7
107	Half century change of interactions among ecosystem services driven by ecological restoration: Quantification and policy implications at a watershed scale in the Chinese Loess Plateau. <i>Science of the Total Environment</i> , 2019, 651, 2546-2557.	8.0	96
108	When multi-functional landscape meets Critical Zone science: advancing multi-disciplinary research for sustainable human well-being. <i>National Science Review</i> , 2019, 6, 349-358.	9.5	13

#	ARTICLE	IF	CITATIONS
109	Excessive Afforestation and Soil Drying on China's Loess Plateau. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 923-935.	3.0	147
110	Developing China's National Emission Trading Scheme: Experiences from Existing Global Schemes and China's Pilot Programs. <i>Chinese Geographical Science</i> , 2018, 28, 287-295.	3.0	4
111	Driving forces and their contribution to the recent decrease in sediment flux to ocean of major rivers in China. <i>Science of the Total Environment</i> , 2018, 634, 534-541.	8.0	40
112	Challenges in coupling LTER with environmental assessments: An insight from potential and reality of the Chinese Ecological Research Network in servicing environment assessments. <i>Science of the Total Environment</i> , 2018, 633, 1302-1313.	8.0	9
113	Impacts of Drought and Human Activity on Vegetation Growth in the Grain for Green Program Region, China. <i>Chinese Geographical Science</i> , 2018, 28, 470-481.	3.0	28
114	Effects of revegetation and precipitation gradient on soil carbon and nitrogen variations in deep profiles on the Loess Plateau of China. <i>Science of the Total Environment</i> , 2018, 626, 399-411.	8.0	68
115	Regional development boundary of China's Loess Plateau: Water limit and land shortage. <i>Land Use Policy</i> , 2018, 74, 130-136.	5.6	56
116	Ecological effects and potential risks of the water diversion project in the Heihe River Basin. <i>Science of the Total Environment</i> , 2018, 619-620, 794-803.	8.0	83
117	Earth surface processes and environmental sustainability in China: preface. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2018, 109, 373-374.	0.3	1
118	Combined effects of rainfall regime and plot length on runoff and soil loss in the Loess Plateau of China. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2018, 109, 397-406.	0.3	5
119	Soil moisture dynamics under <i>Caragana korshinskii</i> shrubs of different ages in Wuzhai County on the Loess Plateau, China. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2018, 109, 387-396.	0.3	8
120	Stochastic soil moisture dynamic modelling: a case study in the Loess Plateau, China. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2018, 109, 437-444.	0.3	1
121	The effects of restoration on vegetation trends: spatiotemporal variability and influencing factors. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2018, 109, 473-481.	0.3	9
122	Vegetation restoration changes topsoil biophysical regulations of carbon fluxes in an eroding soil landscape. <i>Land Degradation and Development</i> , 2018, 29, 4061-4070.	3.9	11
123	Soil conservation on the Loess Plateau and the regional effect: impact of the 'Grain for Green' Project. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2018, 109, 461-471.	0.3	2
124	Increasing global vegetation browning hidden in overall vegetation greening: Insights from time-varying trends. <i>Remote Sensing of Environment</i> , 2018, 214, 59-72.	11.0	322
125	Structure, function, and dynamic mechanisms of coupled human-natural systems. <i>Current Opinion in Environmental Sustainability</i> , 2018, 33, 87-91.	6.3	39
126	Vegetation dynamic trends and the main drivers detected using the ensemble empirical mode decomposition method in East Africa. <i>Land Degradation and Development</i> , 2018, 29, 2542-2553.	3.9	27

#	ARTICLE	IF	CITATIONS
127	Vertical Distributions of Soil Organic Carbon and its Influencing Factors Under Different Land Use Types in the Desert Riparian Zone of Downstream Heihe River Basin, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7741-7753.	3.3	16
128	Quantifying the effects of human activities and climate variability on vegetation cover change in a hyper-arid endorheic basin. <i>Land Degradation and Development</i> , 2018, 29, 3294-3304.	3.9	38
129	Developing a sustainable strategy to conserve reservoir marginal landscapes. <i>National Science Review</i> , 2018, 5, 10-14.	9.5	13
130	Responses of nighttime sap flow to atmospheric and soil dryness and its potential roles for shrubs on the Loess Plateau of China. <i>Journal of Plant Ecology</i> , 2018, 11, 717-729.	2.3	18
131	Representation of critical natural capital in China. <i>Conservation Biology</i> , 2017, 31, 894-902.	4.7	41
132	Biodiversity and Ecosystem Functional Enhancement by Forest Restoration: A Meta-analysis in China. <i>Land Degradation and Development</i> , 2017, 28, 2062-2073.	3.9	32
133	Spatially explicit quantification of the interactions among ecosystem services. <i>Landscape Ecology</i> , 2017, 32, 1181-1199.	4.2	86
134	Temporal variation and spatial scale dependency of ecosystem service interactions: a case study on the central Loess Plateau of China. <i>Landscape Ecology</i> , 2017, 32, 1201-1217.	4.2	100
135	Driving forces of changes in the water and sediment relationship in the Yellow River. <i>Science of the Total Environment</i> , 2017, 576, 453-461.	8.0	102
136	Grassland gross carbon dioxide uptake based on an improved model tree ensemble approach considering human interventions: global estimation and covariation with climate. <i>Global Change Biology</i> , 2017, 23, 2720-2742.	9.5	24
137	Ecological-hydrological processes in arid environment: Past, present and future. <i>Journal of Chinese Geography</i> , 2017, 27, 1577-1594.	3.9	23
138	Responses of CH ₄ and N ₂ O fluxes to land-use conversion and fertilization in a typical red soil region of southern China. <i>Scientific Reports</i> , 2017, 7, 10571.	3.3	6
139	Hydrogeomorphic Ecosystem Responses to Natural and Anthropogenic Changes in the Loess Plateau of China. <i>Annual Review of Earth and Planetary Sciences</i> , 2017, 45, 223-243.	11.0	607
140	Seasonal variation in water uptake patterns of three plant species based on stable isotopes in the semi-arid Loess Plateau. <i>Science of the Total Environment</i> , 2017, 609, 27-37.	8.0	170
141	Fledging Critical Zone Science for Environmental Sustainability. <i>Environmental Science & Technology</i> , 2017, 51, 8209-8211.	10.0	11
142	Ecosystem service trade-offs and their influencing factors: A case study in the Loess Plateau of China. <i>Science of the Total Environment</i> , 2017, 607-608, 1250-1263.	8.0	199
143	Establishment of a comprehensive indicator system for the assessment of biodiversity and ecosystem services. <i>Landscape Ecology</i> , 2017, 32, 1563-1579.	4.2	22
144	Mitigation of nonpoint source pollution in rural areas: From control to synergies of multi ecosystem services. <i>Science of the Total Environment</i> , 2017, 607-608, 1376-1380.	8.0	55

#	ARTICLE	IF	CITATIONS
145	Gauging policy-driven large-scale vegetation restoration programmes under a changing environment: Their effectiveness and socio-economic relationships. <i>Science of the Total Environment</i> , 2017, 607-608, 911-919.	8.0	48
146	River flow is critical for vegetation dynamics: Lessons from multi-scale analysis in a hyper-arid endorheic basin. <i>Science of the Total Environment</i> , 2017, 603-604, 290-298.	8.0	32
147	Trait choice profoundly affected the ecological conclusions drawn from functional diversity measures. <i>Scientific Reports</i> , 2017, 7, 3643.	3.3	30
148	Precipitation gradient determines the tradeoff between soil moisture and soil organic carbon, total nitrogen, and species richness in the Loess Plateau, China. <i>Science of the Total Environment</i> , 2017, 575, 1538-1545.	8.0	65
149	Soil Moisture Variations with Land Use along the Precipitation Gradient in the North-South Transect of the Loess Plateau. <i>Land Degradation and Development</i> , 2017, 28, 926-935.	3.9	45
150	Uncertainties of Two Methods in Selecting Priority Areas for Protecting Soil Conservation Service at Regional Scale. <i>Sustainability</i> , 2017, 9, 1577.	3.2	4
151	Analysis of the Driving Forces in Vegetation Variation in the Grain for Green Program Region, China. <i>Sustainability</i> , 2017, 9, 1853.	3.2	19
152	Vegetation changes in recent large-scale ecological restoration projects and subsequent impact on water resources in China's Loess Plateau. <i>Science of the Total Environment</i> , 2016, 569-570, 1032-1039.	8.0	218
153	Biophysical controls on canopy transpiration in a black locust (<i>Robinia</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td 1068-1081.	2.4	48
154	Multi-temporal scale changes of streamflow and sediment load in a loess hilly watershed of China. <i>Hydrological Processes</i> , 2016, 30, 365-382.	2.6	39
155	Temporal Variations of Flow-sediment Relationships in a Highly Erodible Catchment of the Loess Plateau, China. <i>Land Degradation and Development</i> , 2016, 27, 758-772.	3.9	38
156	Flow regulation manipulates contemporary seasonal sedimentary dynamics in the reservoir fluctuation zone of the Three Gorges Reservoir, China. <i>Science of the Total Environment</i> , 2016, 548-549, 410-420.	8.0	89
157	Determining the hydrological responses to climate variability and land use/cover change in the Loess Plateau with the Budyko framework. <i>Science of the Total Environment</i> , 2016, 557-558, 331-342.	8.0	178
158	Comparison of transpiration between different aged black locust (<i>Robinia pseudoacacia</i>) trees on the semi-arid Loess Plateau, China. <i>Journal of Arid Land</i> , 2016, 8, 604-617.	2.3	34
159	Soil moisture temporal stability analysis for typical hilly and gully re-vegetated catchment in the Loess Plateau, China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	3
160	GIS-based analysis for hotspot identification of tradeoff between ecosystem services: A case study in Yanhe Basin, China. <i>Chinese Geographical Science</i> , 2016, 26, 466-477.	3.0	36
161	Revegetation in China's Loess Plateau is approaching sustainable water resource limits. <i>Nature Climate Change</i> , 2016, 6, 1019-1022.	18.8	1,270
162	Roots of forbs sense climate fluctuations in the semi-arid Loess Plateau: Herb-chronology based analysis. <i>Scientific Reports</i> , 2016, 6, 28435.	3.3	8

#	ARTICLE	IF	CITATIONS
163	The role of climatic and anthropogenic stresses on long-term runoff reduction from the Loess Plateau, China. <i>Science of the Total Environment</i> , 2016, 571, 688-698.	8.0	75
164	Hydrological services by mountain ecosystems in Qilian Mountain of China: A review. <i>Chinese Geographical Science</i> , 2016, 26, 174-187.	3.0	32
165	Reduced sediment transport in the Yellow River due to anthropogenic changes. <i>Nature Geoscience</i> , 2016, 9, 38-41.	12.9	948
166	Linking the soil moisture distribution pattern to dynamic processes along slope transects in the Loess Plateau, China. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 778.	2.7	9
167	Virtual Environments Begin to Embrace Process-based Geographic Analysis. <i>Transactions in GIS</i> , 2015, 19, 493-498.	2.3	56
168	Quantifying the impacts of climate change and ecological restoration on streamflow changes based on a hydrological model in China's Loess Plateau. <i>Water Resources Research</i> , 2015, 51, 6500-6519.	4.2	370
169	Ecosystem services modeling in contrasting landscapes. <i>Landscape Ecology</i> , 2015, 30, 375-379.	4.2	17
170	Managing landscape heterogeneity in different socio-ecological contexts: contrasting cases from central Loess Plateau of China and southern Finland. <i>Landscape Ecology</i> , 2015, 30, 463-475.	4.2	13
171	Balancing multiple ecosystem services in conservation priority setting. <i>Landscape Ecology</i> , 2015, 30, 535-546.	4.2	95
172	Ecosystem services in changing land use. <i>Journal of Soils and Sediments</i> , 2015, 15, 833-843.	3.0	161
173	Recent ecological transitions in China: greening, browning and influential factors. <i>Scientific Reports</i> , 2015, 5, 8732.	3.3	189
174	Reducing soil erosion by improving community functional diversity in semi-arid grasslands. <i>Journal of Applied Ecology</i> , 2015, 52, 1063-1072.	4.0	81
175	Changes in soil carbon stock predicted by a process-based soil carbon model (Yasso07) in the Yanhe watershed of the Loess Plateau. <i>Landscape Ecology</i> , 2015, 30, 399-413.	4.2	16
176	SAORES: a spatially explicit assessment and optimization tool for regional ecosystem services. <i>Landscape Ecology</i> , 2015, 30, 547-560.	4.2	63
177	Sap flow and water use sources of shelterbelt trees in an arid inland river basin of Northwest China. <i>Ecohydrology</i> , 2015, 8, 1446-1458.	2.4	33
178	Dynamics of soil organic carbon stock in a typical catchment of the Loess Plateau: comparison of model simulations with measurements. <i>Landscape Ecology</i> , 2015, 30, 381-397.	4.2	15
179	Woody Species Diversity in Forest Plantations in a Mountainous Region of Beijing, China: Effects of Sampling Scale and Species Selection. <i>PLoS ONE</i> , 2014, 9, e115038.	2.5	5
180	A method to identify the variable ecosystem services relationship across time: a case study on Yanhe Basin, China. <i>Landscape Ecology</i> , 2014, 29, 1689-1696.	4.2	75

#	ARTICLE	IF	CITATIONS
181	Trade-off analyses of multiple ecosystem services by plantations along a precipitation gradient across Loess Plateau landscapes. <i>Landscape Ecology</i> , 2014, 29, 1697-1708.	4.2	145
182	Corridors and networks in landscape: Structure, functions and ecological effects. <i>Chinese Geographical Science</i> , 2014, 24, 1-4.	3.0	13
183	Poverty reduction, environmental protection and ecosystem services: A prospective theory for sustainable development. <i>Chinese Geographical Science</i> , 2014, 24, 83-92.	3.0	23
184	Multivariate control of root biomass in a semi-arid grassland on the Loess Plateau, China. <i>Plant and Soil</i> , 2014, 379, 315-324.	3.7	8
185	Comprehensive analysis of relationship between vegetation attributes and soil erosion on hillslopes in the Loess Plateau of China. <i>Environmental Earth Sciences</i> , 2014, 72, 1721-1731.	2.7	20
186	Snow cover and soil moisture controls of freeze-thaw-related soil gas fluxes from a typical semi-arid grassland soil: a laboratory experiment. <i>Biology and Fertility of Soils</i> , 2014, 50, 295-306.	4.3	32
187	Effects of grazing exclusion on soil carbon and nitrogen storage in semi-arid grassland in Inner Mongolia, China. <i>Chinese Geographical Science</i> , 2014, 24, 479-487.	3.0	20
188	Soil carbon stock and flux in plantation forest and grassland ecosystems in Loess Plateau, China. <i>Chinese Geographical Science</i> , 2014, 24, 423-435.	3.0	7
189	Spatial heterogeneous response of land use and landscape functions to ecological restoration: the case of the Chinese loess hilly region. <i>Environmental Earth Sciences</i> , 2014, 72, 2683-2696.	2.7	18
190	Spatial explicit soil moisture analysis: pattern and its stability at small catchment scale in the loess hilly region of China. <i>Hydrological Processes</i> , 2014, 28, 4091-4109.	2.6	19
191	Soil Carbon and Nitrogen Changes following Afforestation of Marginal Cropland across a Precipitation Gradient in Loess Plateau of China. <i>PLoS ONE</i> , 2014, 9, e85426.	2.5	34
192	Linking vegetation cover patterns to hydrological responses using two process-based pattern indices at the plot scale. <i>Science China Earth Sciences</i> , 2013, 56, 1888-1898.	5.2	19
193	Scaling effects of landscape metrics: a comparison of two methods. <i>Physical Geography</i> , 2013, 34, 40-49.	1.4	19
194	How ecological restoration alters ecosystem services: an analysis of carbon sequestration in China's Loess Plateau. <i>Scientific Reports</i> , 2013, 3, 2846.	3.3	328
195	Spatial variations of rain-use efficiency along a climate gradient on the Tibetan Plateau: A satellite-based analysis. <i>International Journal of Remote Sensing</i> , 2013, 34, 7487-7503.	2.9	9
196	Effects of retired steepland afforestation on soil properties: A case study in the Loess Plateau of China. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2012, , 1-9.	0.6	4
197	Effects of soil physicochemical properties and stand age on fine root biomass and vertical distribution of plantation forests in the Loess Plateau of China. <i>Ecological Research</i> , 2012, 27, 827-836.	1.5	45
198	Effect of land use and topography on spatial variability of soil moisture in a gully catchment of the Loess Plateau, China. <i>Ecohydrology</i> , 2012, 5, 826-833.	2.4	32

#	ARTICLE	IF	CITATIONS
199	The multi-scale spatial variance of soil moisture in the semi-arid Loess Plateau of China. <i>Journal of Soils and Sediments</i> , 2012, 12, 694-703.	3.0	58
200	Spatial scale effects of water erosion dynamics: Complexities, variabilities, and uncertainties. <i>Chinese Geographical Science</i> , 2012, 22, 127-143.	3.0	32
201	Estimation of regional evapotranspiration in alpine area and its response to land use change: A case study in Three-River Headwaters region of Qinghai-Tibet Plateau, China. <i>Chinese Geographical Science</i> , 2012, 22, 437-449.	3.0	20
202	Ecosystem management based on ecosystem services and human activities: a case study in the Yanhe watershed. <i>Sustainability Science</i> , 2012, 7, 17-32.	4.9	60
203	A Policy-Driven Large Scale Ecological Restoration: Quantifying Ecosystem Services Changes in the Loess Plateau of China. <i>PLoS ONE</i> , 2012, 7, e31782.	2.5	392
204	Check Dam in the Loess Plateau of China: Engineering for Environmental Services and Food Security.. <i>Environmental Science & Technology</i> , 2011, 45, 10298-10299.	10.0	114
205	Assessing the soil erosion control service of ecosystems change in the Loess Plateau of China. <i>Ecological Complexity</i> , 2011, 8, 284-293.	2.9	681
206	Greening China Naturally. <i>Ambio</i> , 2011, 40, 828-831.	5.5	90
207	Assessing adaptability of planted trees using leaf traits: A case study with <i>Robinia pseudoacacia</i> L. in the Loess Plateau, China. <i>Chinese Geographical Science</i> , 2011, 21, 290-303.	3.0	17
208	Landscape ecology: Coupling of pattern, process, and scale. <i>Chinese Geographical Science</i> , 2011, 21, 385-391.	3.0	64
209	Land use change and anthropogenic driving forces: A case study in Yanhe River Basin. <i>Chinese Geographical Science</i> , 2011, 21, 587-599.	3.0	55
210	Vegetation patterns influence on soil microbial biomass and functional diversity in a hilly area of the Loess Plateau, China. <i>Journal of Soils and Sediments</i> , 2010, 10, 1082-1091.	3.0	40
211	Remote sensing of ecosystem services: An opportunity for spatially explicit assessment. <i>Chinese Geographical Science</i> , 2010, 20, 522-535.	3.0	74
212	Local-Scale Spatial Variability of Soil Organic Carbon and its Stock in the Hilly Area of the Loess Plateau, China. <i>Quaternary Research</i> , 2010, 73, 70-76.	1.7	101
213	A new mobile-immobile model for reactive solute transport with scale-dependent dispersion. <i>Water Resources Research</i> , 2010, 46, .	4.2	106
214	Chinese ecosystem research network: Progress and perspectives. <i>Ecological Complexity</i> , 2010, 7, 225-233.	2.9	146
215	Responses of water erosion to rainfall extremes and vegetation types in a loess semiarid hilly area, NW China. <i>Hydrological Processes</i> , 2009, 23, 1780-1791.	2.6	83
216	Development of a new index for integrating landscape patterns with ecological processes at watershed scale. <i>Chinese Geographical Science</i> , 2009, 19, 37-45.	3.0	61

#	ARTICLE	IF	CITATIONS
217	Expanding the bridging capability of landscape ecology. <i>Landscape Ecology</i> , 2008, 23, 375-376.	4.2	16
218	Relationship between plant species diversity and soil microbial functional diversity along a longitudinal gradient in temperate grasslands of Hulunbeir, Inner Mongolia, China. <i>Ecological Research</i> , 2008, 23, 511-518.	1.5	79
219	Source-sink landscape theory and its ecological significance. <i>Frontiers of Biology in China: Selected Publications From Chinese Universities</i> , 2008, 3, 131-136.	0.2	97
220	Soil and water conservation on the Loess Plateau in China: review and perspective. <i>Progress in Physical Geography</i> , 2007, 31, 389-403.	3.2	380
221	Effects of nitrogen fertilizer application rates on nitrate nitrogen distribution in saline soil in the Hai River Basin, China. <i>Journal of Soils and Sediments</i> , 2007, 7, 136-142.	3.0	31
222	Effect of land use conversion on soil organic carbon sequestration in the loess hilly area, loess plateau of China. <i>Ecological Research</i> , 2007, 22, 641-648.	1.5	199
223	Comparing soil CO ₂ emission in pine plantation and oak shrub: dynamics and correlations. <i>Ecological Research</i> , 2006, 21, 840-848.	1.5	17
224	Resolving the Conflicts Between Biodiversity Conservation and Socioeconomic Development in China: Fuzzy Clustering Approach. <i>Biodiversity and Conservation</i> , 2006, 15, 2813-2827.	2.6	6
225	Designing regional pattern for ecosystem restoration: A case study. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 86-97.	0.9	1
226	A multiscale soil loss evaluation index. <i>Science Bulletin</i> , 2006, 51, 448-456.	1.7	19
227	Entangling the Complexity of Protected Area Management: The Case of Wolong Biosphere Reserve, Southwestern China. <i>Environmental Management</i> , 2004, 33, 788-98.	2.7	27
228	A mathematical model of soil moisture spatial distribution on the hill slopes of the Loess Plateau. <i>Science in China Series D: Earth Sciences</i> , 2001, 44, 395-402.	0.9	11
229	Geostatistical analysis of soil moisture variability on Da Nangou catchment of the loess plateau, China. <i>Environmental Geology</i> , 2001, 41, 113-120.	1.2	64