

Lixin Wang

List of Publications by Year in descending order

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Version: 2024-02-01

183
papers

9,238
citations

47006

47
h-index

51608

86
g-index

186
all docs

186
docs citations

186
times ranked

10734
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	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
3	The feasibility of using soil seed bank for natural regeneration of degraded sandy grasslands. <i>International Soil and Water Conservation Research</i> , 2022, 10, 414-421.	6.5	2
4	The Drought Response of Eastern US Oaks in the Context of Their Declining Abundance. <i>BioScience</i> , 2022, 72, 333-346.	4.9	9
5	A modified isotope-based method for potential high-frequency evapotranspiration partitioning. <i>Advances in Water Resources</i> , 2022, 160, 104103.	3.8	4
6	Reconciling the isotope-based fog classification with meteorological conditions of different fog types. <i>Journal of Hydrology</i> , 2022, 605, 127321.	5.4	4
7	A global synthesis of transpiration rate and evapotranspiration partitioning in the shrub ecosystems. <i>Journal of Hydrology</i> , 2022, 606, 127417.	5.4	20
8	Stable isotope variations of dew under three different climates. <i>Scientific Data</i> , 2022, 9, 50.	5.3	0
9	Massive crop expansion threatens agriculture and water sustainability in northwestern China. <i>Environmental Research Letters</i> , 2022, 17, 034003.	5.2	11
10	Do ² H and ¹⁸ O in leaf water reflect environmental drivers differently?. <i>New Phytologist</i> , 2022, 235, 41-51.	7.3	29
11	Satellite observed vegetation dynamics and drivers in the Namib sand sea over the recent 20â€“years. <i>Ecohydrology</i> , 2022, 15, .	2.4	2
12	Current and future carbon stocks of natural forests in China. <i>Forest Ecology and Management</i> , 2022, 511, 120137.	3.2	20
13	Comprehensive Quantification of the Responses of Ecosystem Production and Respiration to Drought Time Scale, Intensity and Timing in Humid Environments: A FLUXNET Synthesis. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2022, 127, .	3.0	10
14	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
15	Increased Global Vegetation Productivity Despite Rising Atmospheric Dryness Over the Last Two Decades. <i>Earth's Future</i> , 2022, 10, .	6.3	32
16	Contrasting water use characteristics of riparian trees under different water tables along a losing river. <i>Journal of Hydrology</i> , 2022, 611, 128017.	5.4	6
17	Responses and feedbacks of African dryland ecosystems to environmental changes. <i>Current Opinion in Environmental Sustainability</i> , 2021, 48, 29-35.	6.3	16
18	Investigating the role of evaporation in dew formation under different climates using 17O-excess. <i>Journal of Hydrology</i> , 2021, 592, 125847.	5.4	13

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19	Dew formation reduction in global warming experiments and the potential consequences. <i>Journal of Hydrology</i> , 2021, 593, 125819.	5.4	16
20	Are the shoreline and eutrophication of desert lakes related to desert development?. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 43.	2.7	2
21	A $\delta^2\text{H}$ offset correction method for quantifying root water uptake of riparian trees. <i>Journal of Hydrology</i> , 2021, 593, 125811.	5.4	22
22	Variations and controlling factors of vegetation dynamics on the Qingzang Plateau of China over the recent 20 years. <i>Geography and Sustainability</i> , 2021, 2, 74-85.	4.3	23
23	Isotope signature of maize stem and leaf and investigation of transpiration and water transport. <i>Agricultural Water Management</i> , 2021, 247, 106727.	5.6	7
24	Nitrogen addition amplified water effects on species composition shift and productivity increase. <i>Journal of Plant Ecology</i> , 2021, 14, 816-828.	2.3	7
25	Multi-sensor remote sensing for drought characterization: current status, opportunities and a roadmap for the future. <i>Remote Sensing of Environment</i> , 2021, 256, 112313.	11.0	114
26	Crop yield and soil organic carbon under ridge-furrow cultivation in China: A meta-analysis. <i>Land Degradation and Development</i> , 2021, 32, 2978-2991.	3.9	8
27	Age-related water use characteristics of <i>Robinia pseudoacacia</i> on the Loess Plateau. <i>Agricultural and Forest Meteorology</i> , 2021, 301-302, 108344.	4.8	15
28	Observed increasing water constraint on vegetation growth over the last three decades. <i>Nature Communications</i> , 2021, 12, 3777.	12.8	246
29	Conservation tillage increases corn and soybean water productivity across the Ohio River Basin. <i>Agricultural Water Management</i> , 2021, 254, 106962.	5.6	22
30	Improved understanding of the spatially-heterogeneous relationship between satellite solar-induced chlorophyll fluorescence and ecosystem productivity. <i>Ecological Indicators</i> , 2021, 129, 107949.	6.3	10
31	Dew formation characteristics in the gravel desert ecosystem and its ecological roles on <i>Reaumuria soongorica</i> . <i>Journal of Hydrology</i> , 2021, 603, 126932.	5.4	16
32	Responses of secondary wind dispersal to environmental characteristics and diaspore morphology of seven <i>Calligonum</i> species. <i>Land Degradation and Development</i> , 2020, 31, 842-850.	3.9	7
33	Ecosystem service provision of grain legume and cereal intercropping in Africa. <i>Agricultural Systems</i> , 2020, 178, 102761.	6.1	49
34	The hidden costs of desert development. <i>Ambio</i> , 2020, 49, 1412-1422.	5.5	8
35	No-till is challenged: Complementary management is crucial to improve its environmental benefits under a changing climate. <i>Geography and Sustainability</i> , 2020, 1, 229-232.	4.3	6
36	Effects of climatic and social factors on dispersal strategies of alien species across China. <i>Science of the Total Environment</i> , 2020, 749, 141443.	8.0	6

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37	Satellite Solar-Induced Chlorophyll Fluorescence Reveals Heat Stress Impacts on Wheat Yield in India. <i>Remote Sensing</i> , 2020, 12, 3277.	4.0	12
38	Triple isotope variations of monthly tap water in China. <i>Scientific Data</i> , 2020, 7, 336.	5.3	6
39	The potential contribution of soil moisture to fog formation in the Namib Desert. <i>Journal of Hydrology</i> , 2020, 591, 125326.	5.4	5
40	Water sources of major plant species along a strong climatic gradient in the inland Heihe River Basin. <i>Plant and Soil</i> , 2020, 455, 439-466.	3.7	12
41	Assessing Temperate Forest Growth and Climate Sensitivity in Response to a Long-Term Whole-Watershed Acidification Experiment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005560.	3.0	5
42	Water use characteristics of the common tree species in different plantation types in the Loess Plateau of China. <i>Agricultural and Forest Meteorology</i> , 2020, 288-289, 108020.	4.8	35
43	Satellite Observed Positive Impacts of Fog on Vegetation. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088428.	4.0	10
44	Geographical distribution and determining factors of different invasive ranks of alien species across China. <i>Science of the Total Environment</i> , 2020, 722, 137929.	8.0	22
45	Quantifying the Controls on Evapotranspiration Partitioning in the Highest Alpine Meadow Ecosystem. <i>Water Resources Research</i> , 2020, 56, e2019WR024815.	4.2	28
46	Increased human pressures on the alpine ecosystem along the Qinghai-Tibet Railway. <i>Regional Environmental Change</i> , 2020, 20, 1.	2.9	26
47	Nitrogen rather than streamflow regulates the growth of riparian trees. <i>Chemical Geology</i> , 2020, 547, 119666.	3.3	1
48	The importance of cuticular permeance in assessing plant water-use strategies. <i>Tree Physiology</i> , 2020, 40, 425-432.	3.1	10
49	Meta-analysis of ridge-furrow cultivation effects on maize production and water use efficiency. <i>Agricultural Water Management</i> , 2020, 234, 106144.	5.6	23
50	Canopy isotopic investigation reveals different water uptake dynamics of maples and oaks. <i>Phytochemistry</i> , 2020, 175, 112389.	2.9	34
51	Causes and consequences of pronounced variation in the isotope composition of plant xylem water. <i>Biogeosciences</i> , 2020, 17, 4853-4870.	3.3	33
52	Novel Keeling-plot-based methods to estimate the isotopic composition of ambient water vapor. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 4491-4501.	4.9	3
53	Relationship between soil water content and soil particle size on typical slopes of the Loess Plateau during a drought year. <i>Science of the Total Environment</i> , 2019, 648, 943-954.	8.0	51
54	Sand dune stabilization changes the vegetation characteristics and soil seed bank and their correlations with environmental factors. <i>Science of the Total Environment</i> , 2019, 648, 500-507.	8.0	29

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55	Intensified vegetation water use under acid deposition. <i>Science Advances</i> , 2019, 5, eaav5168.	10.3	26
56	Reply to: Data do not support large-scale oligotrophication of terrestrial ecosystems. <i>Nature Ecology and Evolution</i> , 2019, 3, 1287-1288.	7.8	4
57	Forests affected by frequent and intense typhoons challenge the intermediate disturbance hypothesis. <i>Biotropica</i> , 2019, 51, 797-801.	1.6	4
58	Stable Isotope Composition of River Waters across the World. <i>Water (Switzerland)</i> , 2019, 11, 1760.	2.7	24
59	Data Descriptor: Daily observations of stable isotope ratios of rainfall in the tropics. <i>Scientific Reports</i> , 2019, 9, 14419.	3.3	40
60	The Sensitivity of Satellite Solar-Induced Chlorophyll Fluorescence to Meteorological Drought. <i>Earth's Future</i> , 2019, 7, 558-573.	6.3	67
61	Spatial and temporal variations of tap water ^{17}O -excess in China. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 260, 1-14.	3.9	30
62	Convergent vegetation fog and dew water use in the Namib Desert. <i>Ecohydrology</i> , 2019, 12, e2130.	2.4	37
63	Response of ecosystem intrinsic water use efficiency and gross primary productivity to rising vapor pressure deficit. <i>Environmental Research Letters</i> , 2019, 14, 074023.	5.2	94
64	The competitive advantage of a constitutive CAM species over a C_4 grass species under drought and CO_2 enrichment. <i>Ecosphere</i> , 2019, 10, e02721.	2.2	13
65	African dryland ecosystem changes controlled by soil water. <i>Land Degradation and Development</i> , 2019, 30, 1564-1573.	3.9	18
66	One-hundred years after shrub encroachment: Policy directions towards sustainable rangeland-use. <i>Land Use Policy</i> , 2019, 84, 71-78.	5.6	3
67	A new station-enabled multi-sensor integrated index for drought monitoring. <i>Journal of Hydrology</i> , 2019, 574, 169-180.	5.4	38
68	Contribution of recycled moisture to local precipitation in the inland Heihe River Basin. <i>Agricultural and Forest Meteorology</i> , 2019, 271, 316-335.	4.8	42
69	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
70	Relationship between seed morphological traits and wind dispersal trajectory. <i>Functional Plant Biology</i> , 2019, 46, 1063.	2.1	10
71	Water limitations to large-scale desert agroforestry projects for carbon sequestration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24925-24926.	7.1	18
72	Seasonality of the Transpiration Fraction and Its Controls Across Typical Ecosystems Within the Heihe River Basin. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1277-1291.	3.3	22

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73	A new multi-sensor integrated index for drought monitoring. <i>Agricultural and Forest Meteorology</i> , 2019, 268, 74-85.	4.8	123
74	Valuing the ecosystem services of cover crops: barriers and pathways forward. <i>Agriculture, Ecosystems and Environment</i> , 2019, 270-271, 76-78.	5.3	22
75	Evaluating ecohydrological modelling framework to link atmospheric CO ₂ and stomatal conductance. <i>Ecohydrology</i> , 2019, 12, e2051.	2.4	3
76	Nitrogen preference across generations under changing ammonium nitrate ratios. <i>Journal of Plant Ecology</i> , 2019, 12, 235-244.	2.3	23
77	Ecohydrological Controls on the Deposition of Non-rainfall Water, N, and P to Dryland Ecosystems. , 2019, , 121-137.		2
78	Stable isotope variations of daily precipitation from 2014â€“2018 in the central United States. <i>Scientific Data</i> , 2019, 6, 190018.	5.3	15
79	Enhanced canopy growth precedes senescence in 2005 and 2010 Amazonian droughts. <i>Remote Sensing of Environment</i> , 2018, 211, 26-37.	11.0	33
80	Transpiration Dominates Ecosystem Water Use Efficiency in Response to Warming in an Alpine Meadow. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 453-462.	3.0	44
81	Large Ecosystem Service Benefits of Assisted Natural Regeneration. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 676-687.	3.0	48
82	A meta-analysis of pesticide loss in runoff under conventional tillage and no-till management. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 79.	2.7	36
83	The impact of fog on soil moisture dynamics in the Namib Desert. <i>Advances in Water Resources</i> , 2018, 113, 23-29.	3.8	21
84	Responses of Chinese fir and <i>Schima superba</i> seedlings to light gradients: Implications for the restoration of mixed broadleaf-conifer forests from Chinese fir monocultures. <i>Forest Ecology and Management</i> , 2018, 419-420, 51-57.	3.2	34
85	Fog and Dew as Potable Water Resources: Maximizing Harvesting Potential and Water Quality Concerns. <i>GeoHealth</i> , 2018, 2, 327-332.	4.0	43
86	Isotopic evidence for oligotrophication of terrestrial ecosystems. <i>Nature Ecology and Evolution</i> , 2018, 2, 1735-1744.	7.8	138
87	Greenhouse gas emissions and crop yield in no-tillage systems: A meta-analysis. <i>Agriculture, Ecosystems and Environment</i> , 2018, 268, 144-153.	5.3	135
88	Distribution of Shrubland and Grassland Soil Erodibility on the Loess Plateau. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1193.	2.6	16
89	The impact of grazing on seedling patterns in degraded sparseâ€™m grassland. <i>Land Degradation and Development</i> , 2018, 29, 2330-2337.	3.9	9
90	Seedling emergence and early growth of Chinese fir under different light levels and seed positions: implications for natural regeneration. <i>Canadian Journal of Forest Research</i> , 2018, 48, 1034-1041.	1.7	3

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91	Vegetation changes and water cycle in a Changing environment. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 1731-1734.	4.9	12
92	Quantitative synthesis on the ecosystem services of cover crops. <i>Earth-Science Reviews</i> , 2018, 185, 357-373.	9.1	228
93	Precipitation Origins and Key Drivers of Precipitation Isotope ($\delta^{18}\text{O}$, $\delta^2\text{H}$, and) $\delta^{17}\text{O}$. <i>Journal of Geophysical Research</i> , 2018, 123, 7311-7330.	3.3	26
94	Stable isotope compositions ($\delta^2\text{H}$, $\delta^{18}\text{O}$ and $\delta^{17}\text{O}$) of rainfall and snowfall in the central United States. <i>Scientific Reports</i> , 2018, 8, 6712.	3.3	69
95	Shifts in stream hydrochemistry in responses to typhoon and non-typhoon precipitation. <i>Biogeosciences</i> , 2018, 15, 2379-2391.	3.3	9
96	Divergent evapotranspiration partition dynamics between shrubs and grasses in a shrub-encroached steppe ecosystem. <i>New Phytologist</i> , 2018, 219, 1325-1337.	7.3	42
97	Fog Spatial Distributions over the Central Namib Desert - An Isotope Approach. <i>Aerosol and Air Quality Research</i> , 2018, 18, 49-61.	2.1	13
98	Global synthesis of drought effects on cereal, legume, tuber and root crops production: A review. <i>Agricultural Water Management</i> , 2017, 179, 18-33.	5.6	238
99	The impacts of precipitation increase and nitrogen addition on soil respiration in a semiarid temperate steppe. <i>Ecosphere</i> , 2017, 8, e01655.	2.2	27
100	Ecohydrological interactions within "fairy circles" in the Namib Desert: Revisiting the self-organization hypothesis. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 405-414.	3.0	38
101	Effects of terracing on soil water and canopy transpiration of <i>Pinus tabulaeformis</i> in the Loess Plateau of China. <i>Ecological Engineering</i> , 2017, 102, 557-564.	3.6	39
102	Precipitation controls on nutrient budgets in subtropical and tropical forests and the implications under changing climate. <i>Advances in Water Resources</i> , 2017, 103, 44-50.	3.8	18
103	Divergence of stable isotopes in tap water across China. <i>Scientific Reports</i> , 2017, 7, 43653.	3.3	30
104	Soil phosphorus budget in global grasslands and implications for management. <i>Journal of Arid Environments</i> , 2017, 144, 224-235.	2.4	24
105	Can ridge-furrow plastic mulching replace irrigation in dryland wheat and maize cropping systems?. <i>Agricultural Water Management</i> , 2017, 190, 1-5.	5.6	83
106	Nonrainfall water origins and formation mechanisms. <i>Science Advances</i> , 2017, 3, e1603131.	10.3	79
107	Revisiting the contribution of transpiration to global terrestrial evapotranspiration. <i>Geophysical Research Letters</i> , 2017, 44, 2792-2801.	4.0	308
108	Impacts of no-tillage management on nitrate loss from corn, soybean and wheat cultivation: A meta-analysis. <i>Scientific Reports</i> , 2017, 7, 12117.	3.3	78

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109	Impacts of increasing typhoons on the structure and function of a subtropical forest: reflections of a changing climate. <i>Scientific Reports</i> , 2017, 7, 4911.	3.3	33
110	Meta-analysis of Phosphorus Loss from No-till Soils. <i>Journal of Environmental Quality</i> , 2017, 46, 1028-1037.	2.0	58
111	Tree ring $\delta^{18}O$ reveals no long-term change of atmospheric water demand since 1800 in the northern Great Hinggan Mountains, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6697-6712.	3.3	18
112	Stable isotopes of river water and groundwater along altitudinal gradients in the High Himalayas and the Eastern Nyainqentanghla Mountains. <i>Journal of Hydrology: Regional Studies</i> , 2017, 14, 37-48.	2.4	21
113	Multiple Methods to Partition Evapotranspiration in a Maize Field. <i>Journal of Hydrometeorology</i> , 2017, 18, 139-149.	1.9	30
114	Land preparation and vegetation type jointly determine soil conditions after long-term land stabilization measures in a typical hilly catchment, Loess Plateau of China. <i>Journal of Soils and Sediments</i> , 2017, 17, 144-156.	3.0	45
115	Partitioning of evapotranspiration using a stable isotope technique in an arid and high temperature agricultural production system. <i>Agricultural Water Management</i> , 2017, 179, 103-109.	5.6	55
116	Effects of non-rainfall water inputs on ecosystem functions. <i>Wiley Interdisciplinary Reviews: Water</i> , 2017, 4, e1179.	6.5	72
117	Tropical cyclones disrupt the relationship between tree height and species diversity: Comment. <i>Ecosphere</i> , 2017, 8, e01938.	2.2	4
118	Excessive Accumulation of Chinese Fir Litter Inhibits Its Own Seedling Emergence and Early Growth: A Greenhouse Perspective. <i>Forests</i> , 2017, 8, 341.	2.1	14
119	The spatial distribution and temporal variation of desert riparian forests and their influencing factors in the downstream Heihe River basin, China. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 2405-2419.	4.9	45
120	Response of water vapour D-excess to land-atmosphere interactions in a semi-arid environment. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 533-548.	4.9	19
121	Ecohydrology: Processes and Implications for Rangelands. <i>Springer Series on Environmental Management</i> , 2017, , 85-129.	0.3	17
122	Variations of deep soil moisture under different vegetation types and influencing factors in a watershed of the Loess Plateau, China. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3309-3323.	4.9	92
123	Spatial Variations of Soil Moisture under <i>Caragana korshinskii</i> Kom. from Different Precipitation Zones: Field Based Analysis in the Loess Plateau, China. <i>Forests</i> , 2016, 7, 31.	2.1	27
124	The Impact of Rainfall on Soil Moisture Dynamics in a Foggy Desert. <i>PLoS ONE</i> , 2016, 11, e0164982.	2.5	25
125	Global synthesis of the classifications, distributions, benefits and issues of terracing. <i>Earth-Science Reviews</i> , 2016, 159, 388-403.	9.1	201
126	Elevated CO ₂ as a driver of global dryland greening. <i>Scientific Reports</i> , 2016, 6, 20716.	3.3	68

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127	Risk and contributing factors of ecosystem shifts over naturally vegetated land under climate change in China. <i>Scientific Reports</i> , 2016, 6, 20905.	3.3	19
128	The increasing importance of atmospheric demand for ecosystem water and carbon fluxes. <i>Nature Climate Change</i> , 2016, 6, 1023-1027.	18.8	734
129	A multi-scale analysis of Namibian rainfall over the recent decade – comparing TMPA satellite estimates and ground observations. <i>Journal of Hydrology: Regional Studies</i> , 2016, 8, 59-68.	2.4	25
130	High atmospheric demand for water can limit forest carbon uptake and transpiration as severely as dry soil. <i>Geophysical Research Letters</i> , 2016, 43, 9686-9695.	4.0	163
131	Water vapor $\delta^2\text{H}$, $\delta^{18}\text{O}$ and $\delta^{17}\text{O}$ measurements using an off-axis integrated cavity output spectrometer – sensitivity to water vapor concentration, delta value and averaging time. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2077-2086.	1.5	21
132	Comparing methods for partitioning a decade of carbon dioxide and water vapor fluxes in a temperate forest. <i>Agricultural and Forest Meteorology</i> , 2016, 226-227, 229-245.	4.8	56
133	Drought effects on root and tuber production: A meta-analysis. <i>Agricultural Water Management</i> , 2016, 176, 122-131.	5.6	74
134	Significant Difference in Hydrogen Isotope Composition Between Xylem and Tissue Water in <i>Populus Euphratica</i> . <i>Plant, Cell and Environment</i> , 2016, 39, 1848-1857.	5.7	135
135	An Analysis of Precipitation Isotope Distributions across Namibia Using Historical Data. <i>PLoS ONE</i> , 2016, 11, e0154598.	2.5	27
136	Global Synthesis of Drought Effects on Maize and Wheat Production. <i>PLoS ONE</i> , 2016, 11, e0156362.	2.5	606
137	Dynamic interactions of ecohydrological and biogeochemical processes in water-limited systems. <i>Ecosphere</i> , 2015, 6, 1-27.	2.2	58
138	Global Synthesis of Drought Effects on Food Legume Production. <i>PLoS ONE</i> , 2015, 10, e0127401.	2.5	174
139	A novel method to continuously monitor litter moisture – A microcosm-based experiment. <i>Journal of Arid Environments</i> , 2015, 115, 10-13.	2.4	14
140	Stable water isotope and surface heat flux simulation using ISOLSM: Evaluation against in-situ measurements. <i>Journal of Hydrology</i> , 2015, 523, 67-78.	5.4	14
141	Convergence of soil nitrogen isotopes across global climate gradients. <i>Scientific Reports</i> , 2015, 5, 8280.	3.3	127
142	Shrub encroachment alters the spatial patterns of infiltration. <i>Ecohydrology</i> , 2015, 8, 83-93.	2.4	57
143	Ecological interpretations of nitrogen isotope ratios of terrestrial plants and soils. <i>Plant and Soil</i> , 2015, 396, 1-26.	3.7	424
144	Water and nitrogen availability co-control ecosystem CO ₂ exchange in a semiarid temperate steppe. <i>Scientific Reports</i> , 2015, 5, 15549.	3.3	18

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145	Sand burial compensates for the negative effects of erosion on the dune-building shrub <i>Artemisia wudanica</i> . <i>Plant and Soil</i> , 2014, 374, 263-273.	3.7	26
146	Global synthesis of vegetation control on evapotranspiration partitioning. <i>Geophysical Research Letters</i> , 2014, 41, 6753-6757.	4.0	285
147	Responses of rhizomatous grass <i>Phragmites communis</i> to wind erosion: effects on biomass allocation. <i>Plant and Soil</i> , 2014, 380, 389-398.	3.7	20
148	Mass loss and nutrient dynamics during litter decomposition under three mixing treatments in a typical steppe in Inner Mongolia. <i>Plant and Soil</i> , 2013, 366, 107-118.	3.7	18
149	The effect of warming on grassland evapotranspiration partitioning using laser-based isotope monitoring techniques. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 111, 28-38.	3.9	67
150	Ploughing and grazing alter the spatial patterning of surface soils in a shrub-encroached woodland. <i>Geoderma</i> , 2013, 200-201, 67-76.	5.1	20
151	The effects of short-term rainfall variability on leaf isotopic traits of desert plants in sand-binding ecosystems. <i>Ecological Engineering</i> , 2013, 60, 116-125.	3.6	11
152	Linking ethylene to nitrogen-dependent leaf longevity of grass species in a temperate steppe. <i>Annals of Botany</i> , 2013, 112, 1879-1885.	2.9	7
153	Spatial patterns of infiltration vary with disturbance in a shrub-encroached woodland. <i>Geomorphology</i> , 2013, 194, 57-64.	2.6	24
154	Ecosystem-scale spatial heterogeneity of stable isotopes of soil nitrogen in African savannas. <i>Landscape Ecology</i> , 2013, 28, 685-698.	4.2	24
155	Using atmospheric trajectories to model the isotopic composition of rainfall in central Kenya. <i>Ecosphere</i> , 2013, 4, 1-18.	2.2	61
156	Direct quantification of leaf transpiration isotopic composition. <i>Agricultural and Forest Meteorology</i> , 2012, 154-155, 127-135.	4.8	87
157	The colonization of active sand dunes by rhizomatous plants through vegetative propagation and its role in vegetation restoration. <i>Ecological Engineering</i> , 2012, 44, 344-347.	3.6	21
158	Uncertainties in the assessment of the isotopic composition of surface fluxes: A direct comparison of techniques using laser-based water vapor isotope analyzers. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	58
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