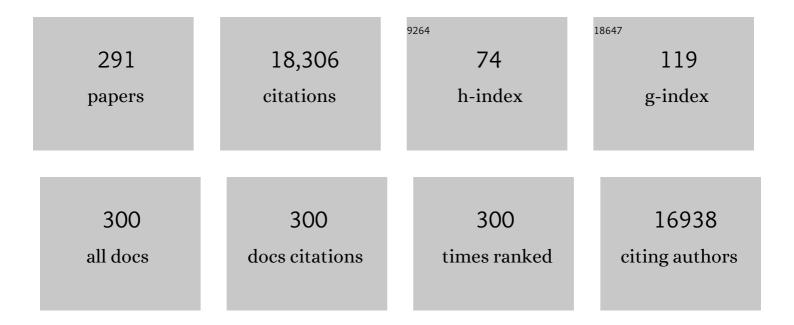
Paolo D'Odorico

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Global desertification: Drivers and feedbacks. Advances in Water Resources, 2013, 51, 326-344.	3.8	656
2	Global land and water grabbing. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 892-897.	7.1	480
3	The Global Foodâ€Energyâ€Water Nexus. Reviews of Geophysics, 2018, 56, 456-531.	23.0	446
4	Global agricultural economic water scarcity. Science Advances, 2020, 6, eaaz6031.	10.3	334
5	On the spatial and temporal links between vegetation, climate, and soil moisture. Water Resources Research, 1999, 35, 3709-3722.	4.2	314
6	A synthetic review of feedbacks and drivers of shrub encroachment in arid grasslands. Ecohydrology, 2012, 5, 520-530.	2.4	313
7	Land degradation in drylands: Interactions among hydrologic–aeolian erosion and vegetation dynamics. Geomorphology, 2010, 116, 236-245.	2.6	306
8	Feeding humanity through global food trade. Earth's Future, 2014, 2, 458-469.	6.3	300
9	Positive feedback between microclimate and shrub encroachment in the northern Chihuahuan desert. Ecosphere, 2010, 1, 1-11.	2.2	290
10	Meeting future food demand with current agricultural resources. Global Environmental Change, 2016, 39, 125-132.	7.8	277
11	Observed increasing water constraint on vegetation growth over the last three decades. Nature Communications, 2021, 12, 3777.	12.8	246
12	Mathematical models of vegetation pattern formation in ecohydrology. Reviews of Geophysics, 2009, 47, .	23.0	244
13	Robustness of variance and autocorrelation as indicators of critical slowing down. Ecology, 2012, 93, 264-271.	3.2	243
14	Ecohydrology of water-controlled ecosystems. Advances in Water Resources, 2002, 25, 1335-1348.	3.8	242
15	Dryland ecohydrology and climate change: critical issues and technical advances. Hydrology and Earth System Sciences, 2012, 16, 2585-2603.	4.9	241
16	Increased food production and reduced water use through optimized crop distribution. Nature Geoscience, 2017, 10, 919-924.	12.9	238
17	AEOLIAN PROCESSES AND THE BIOSPHERE. Reviews of Geophysics, 2011, 49, .	23.0	230
18	The water-land-food nexus of first-generation biofuels. Scientific Reports, 2016, 6, 22521.	3.3	226

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19	Hydrologic controls on soil carbon and nitrogen cycles. I. Modeling scheme. Advances in Water Resources, 2003, 26, 45-58.	3.8	217
20	The Tragedy of the Grabbed Commons: Coercion and Dispossession in the Global Land Rush. World Development, 2017, 92, 1-12.	4.9	216
21	Interdependence of climate, soil, and vegetation as constrained by the Budyko curve. Geophysical Research Letters, 2012, 39, .	4.0	210
22	On soil moisture–vegetation feedbacks and their possible effects on the dynamics of dryland ecosystems. Journal of Geophysical Research, 2007, 112, .	3.3	202
23	Resilience and reactivity of global food security. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6902-6907.	7.1	179
24	Preferential states in soil moisture and climate dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8848-8851.	7.1	176
25	Accelerated deforestation driven by large-scale land acquisitions in Cambodia. Nature Geoscience, 2015, 8, 772-775.	12.9	164
26	A Multiscale, Hierarchical Model of Pulse Dynamics in Arid-Land Ecosystems. Annual Review of Ecology, Evolution, and Systematics, 2014, 45, 397-419.	8.3	153
27	Noise-induced stability in dryland plant ecosystems. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10819-10822.	7.1	150
28	The nexus between forest fragmentation in Africa and Ebola virus disease outbreaks. Scientific Reports, 2017, 7, 41613.	3.3	145
29	Environmental impact food labels combining carbon, nitrogen, and water footprints. Food Policy, 2016, 61, 213-223.	6.0	144
30	Vegetation–microclimate feedbacks in woodland–grassland ecotones. Global Ecology and Biogeography, 2013, 22, 364-379.	5.8	142
31	Stability and bistability of seagrass ecosystems in shallow coastal lagoons: Role of feedbacks with sediment resuspension and light attenuation. Journal of Geophysical Research, 2010, 115, .	3.3	140
32	A Probabilistic Analysis of Fireâ€Induced Treeâ€Grass Coexistence in Savannas. American Naturalist, 2006, 167, E79-E87.	2.1	139
33	The Global Water Grabbing Syndrome. Ecological Economics, 2018, 143, 276-285.	5.7	134
34	Preferential states of seasonal soil moisture: The impact of climate fluctuations. Water Resources Research, 2000, 36, 2209-2219.	4.2	132
35	Manage water in a green way. Science, 2015, 349, 584-585.	12.6	130
36	Closing the yield gap while ensuring water sustainability. Environmental Research Letters, 2018, 13, 104002.	5.2	127

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37	Ecological feedbacks following deforestation create the potential for a catastrophic ecosystem shift in tropical dry forest. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20696-20701.	7.1	124
38	On the effect of air humidity on soil susceptibility to wind erosion: The case of air-dry soils. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	120
39	Land grabbing: a preliminary quantification of economic impacts on rural livelihoods. Population and Environment, 2014, 36, 180-192.	3.0	120
40	On the effect of moisture bonding forces in air-dry soils on threshold friction velocity of wind erosion. Sedimentology, 2006, 53, 597-609.	3.1	119
41	An analytical model to relate the vertical root distribution to climate and soil properties. Geophysical Research Letters, 2006, 33, n/a-n/a.	4.0	119
42	Global virtual water trade and the hydrological cycle: patterns, drivers, and socio-environmental impacts. Environmental Research Letters, 2019, 14, 053001.	5.2	118
43	Recent History and Geography of Virtual Water Trade. PLoS ONE, 2013, 8, e55825.	2.5	115
44	The global value of water in agriculture. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21985-21993.	7.1	112
45	Threats to sustainable development posed by land and water grabbing. Current Opinion in Environmental Sustainability, 2017, 26-27, 120-128.	6.3	111
46	Understanding the role of ecohydrological feedbacks in ecosystem state change in drylands. Ecohydrology, 2012, 5, 174-183.	2.4	110
47	Challenges in humid land ecohydrology: Interactions of water table and unsaturated zone with climate, soil, and vegetation. Water Resources Research, 2007, 43, .	4.2	109
48	Ecohydrology of Terrestrial Ecosystems. BioScience, 2010, 60, 898-907.	4.9	109
49	Water-controlled wealth of nations. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4230-4233.	7.1	108
50	Global unsustainable virtual water flows in agricultural trade. Environmental Research Letters, 2019, 14, 114001.	5.2	108
51	Hydrologic controls on soil carbon and nitrogen cycles. II. A case study. Advances in Water Resources, 2003, 26, 59-70.	3.8	106
52	Potential for sustainable irrigation expansion in a 3 °C warmer climate. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29526-29534.	7.1	106
53	Post-Fire Resource Redistribution in Desert Grasslands: A Possible Negative Feedback on Land Degradation. Ecosystems, 2009, 12, 434-444.	3.4	104
54	Local food crop production can fulfil demand for less than one-third of the population. Nature Food, 2020, 1, 229-237.	14.0	102

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55	Resilience in the global food system. Environmental Research Letters, 2017, 12, 025010.	5.2	100
56	Making ecological models adequate. Ecology Letters, 2018, 21, 153-166.	6.4	100
57	Global food self-sufficiency in the 21st century under sustainable intensification of agriculture. Environmental Research Letters, 2020, 15, 095004.	5.2	100
58	Effect of vegetation-water table feedbacks on the stability and resilience of plant ecosystems. Water Resources Research, 2006, 42, .	4.2	94
59	Interdependencies and telecoupling of oil palm expansion at the expense of Indonesian rainforest. Renewable and Sustainable Energy Reviews, 2019, 105, 499-512.	16.4	92
60	Stochastic soil moisture dynamics along a hillslope. Journal of Hydrology, 2003, 272, 264-275.	5.4	91
61	Tidal influences on carbon assimilation by a salt marsh. Environmental Research Letters, 2008, 3, 044010.	5.2	91
62	Global sensitivity of highâ€resolution estimates of crop water footprint. Water Resources Research, 2015, 51, 8257-8272.	4.2	91
63	Hydrologic and aeolian controls on vegetation patterns in arid landscapes. Geophysical Research Letters, 2007, 34, .	4.0	90
64	Global Spatio-Temporal Patterns in Human Migration: A Complex Network Perspective. PLoS ONE, 2013, 8, e53723.	2.5	90
65	Biogeochemistry of Kalahari sands. Journal of Arid Environments, 2007, 71, 259-279.	2.4	89
66	Reserves and trade jointly determine exposure to food supply shocks. Environmental Research Letters, 2016, 11, 095009.	5.2	88
67	Hillslope and channel contributions to the hydrologic response. Water Resources Research, 2003, 39,	4.2	87
68	Hydrologic variability in dryland regions: impacts on ecosystem dynamics and food security. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 3145-3157.	4.0	87
69	Tropical forest loss enhanced by large-scale land acquisitions. Nature Geoscience, 2020, 13, 482-488.	12.9	87
70	Physical and biological feedbacks of deforestation. Reviews of Geophysics, 2012, 50, .	23.0	86
71	Tree-grass coexistence in Savannas: The role of spatial dynamics and climate fluctuations. Geophysical Research Letters, 1999, 26, 247-250.	4.0	84
72	Does globalization of water reduce societal resilience to drought?. Geophysical Research Letters, 2010, 37, .	4.0	83

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73	Ecohydrology of groundwaterâ€dependent ecosystems: 1. Stochastic water table dynamics. Water Resources Research, 2009, 45, .	4.2	80
74	Changing Seasons: An Effect of the North Atlantic Oscillation?. Journal of Climate, 2002, 15, 435-445.	3.2	78
75	On the temporal variability of the virtual water network. Geophysical Research Letters, 2012, 39, .	4.0	78
76	An Analysis of the Soil Moisture Feedback on Convective and Stratiform Precipitation. Journal of Hydrometeorology, 2008, 9, 280-291.	1.9	76
77	Relation Between the North-Atlantic Oscillation and Hydroclimatic Conditions in Mediterranean Areas. Water Resources Management, 2011, 25, 1269-1279.	3.9	76
78	Geomorphic structure of tidal hydrodynamics in salt marsh creeks. Water Resources Research, 2008, 44, .	4.2	75
79	Fertility Island Formation and Evolution in Dryland Ecosystems. Ecology and Society, 2008, 13, .	2.3	75
80	Virtual water transfers unlikely to redress inequality in global water use. Environmental Research Letters, 2011, 6, 024017.	5.2	75
81	Coastal regime shifts: rapid responses of coastal wetlands to changes in mangrove cover. Ecology, 2017, 98, 762-772.	3.2	74
82	Impact of globalization on the resilience and sustainability of natural resources. Nature Sustainability, 2019, 2, 283-289.	23.7	74
83	Trends and fluctuations in the dates of ice break-up of lakes and rivers in Northern Europe: the effect of the North Atlantic Oscillation. Journal of Hydrology, 2002, 268, 100-112.	5.4	69
84	A field-scale analysis of the dependence of wind erosion threshold velocity on air humidity. Geophysical Research Letters, 2005, 32, .	4.0	68
85	Potential for landsliding: Dependence on hyetograph characteristics. Journal of Geophysical Research, 2005, 110, .	3.3	67
86	On the ecohydrology of structurally heterogeneous semiarid landscapes. Water Resources Research, 2006, 42, .	4.2	64
87	Interannual variability of winter precipitation in the European Alps: relations with the North Atlantic Oscillation Hydrology and Earth System Sciences, 2009, 13, 17-25.	4.9	64
88	Hydraulic lift as a determinant of tree–grass coexistence on savannas. New Phytologist, 2015, 207, 1038-1051.	7.3	63
89	Hydrological limits to carbon capture and storage. Nature Sustainability, 2020, 3, 658-666.	23.7	63
90	Quantitative assessment of agricultural sustainability reveals divergent priorities among nations. One Earth, 2021, 4, 1262-1277.	6.8	63

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91	Modeling the effects of climate change on eelgrass stability and resilience: future scenarios and leading indicators of collapse. Marine Ecology - Progress Series, 2012, 448, 289-301.	1.9	62
92	Feedbacks between fires and wind erosion in heterogeneous arid lands. Journal of Geophysical Research, 2007, 112, .	3.3	61
93	Form and function of grass ring patterns in arid grasslands: the role of abiotic controls. Oecologia, 2008, 158, 545-555.	2.0	61
94	The Waterâ€Energy Nexus of Hydraulic Fracturing: A Global Hydrologic Analysis for Shale Oil and Gas Extraction. Earth's Future, 2018, 6, 745-756.	6.3	61
95	The Southern Kalahari: a potential new dust source in the Southern Hemisphere?. Environmental Research Letters, 2012, 7, 024001.	5.2	60
96	Moderating diets to feed the future. Earth's Future, 2014, 2, 559-565.	6.3	59
97	Land-use change and the livestock revolution increase the risk of zoonotic coronavirus transmission from rhinolophid bats. Nature Food, 2021, 2, 409-416.	14.0	59
98	Impact of feedbacks on Chihuahuan desert grasslands: Transience and metastability. Journal of Geophysical Research, 2009, 114, .	3.3	58
99	Food appropriation through large scale land acquisitions. Environmental Research Letters, 2014, 9, 064030.	5.2	58
100	The interactive effects of press/pulse intensity and duration on regime shifts at multiple scales. Ecological Monographs, 2017, 87, 198-218.	5.4	58
101	Water limits to closing yield gaps. Advances in Water Resources, 2017, 99, 67-75.	3.8	58
102	Enhancement of wind erosion by fire-induced water repellency. Water Resources Research, 2006, 42, .	4.2	57
103	Dustâ€rainfall feedbacks in the West African Sahel. Water Resources Research, 2008, 44, .	4.2	57
104	Nonlinear Dynamics and Alternative Stable States in Shallow Coastal Systems. Oceanography, 2013, 26, 220-231.	1.0	57
105	On the impact of shrub encroachment on microclimate conditions in the northern Chihuahuan desert. Journal of Geophysical Research, 2010, 115, .	3.3	56
106	Patterns and implications of Plant-soil <i>δ</i> ¹³ C and <i>δ</i> ¹⁵ N values in African savanna ecosystems. Quaternary Research, 2010, 73, 77-83.	1.7	55
107	A probabilistic model of rainfall-triggered shallow landslides in hollows: A long-term analysis. Water Resources Research, 2003, 39, .	4.2	54
108	The water footprint of carbon capture and storage technologies. Renewable and Sustainable Energy Reviews, 2021, 138, 110511.	16.4	54

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109	Vegetation patterns induced by random climate fluctuations. Geophysical Research Letters, 2006, 33, .	4.0	53
110	Soil carbon and nitrogen dynamics in southern African savannas: the effect of vegetation-induced patch-scale heterogeneities and large scale rainfall gradients. Climatic Change, 2009, 94, 63-76.	3.6	53
111	New frontiers of land and water commodification: socioâ€environmental controversies of largeâ€scale land acquisitions. Land Degradation and Development, 2017, 28, 2234-2244.	3.9	52
112	Ecohydrological feedbacks between salt accumulation and vegetation dynamics: Role of vegetationâ€groundwater interactions. Water Resources Research, 2010, 46, .	4.2	51
113	The water footprint of land grabbing. Geophysical Research Letters, 2013, 40, 6130-6135.	4.0	51
114	Impact of transnational land acquisitions on local food security and dietary diversity. Proceedings of the United States of America, 2021, 118, .	7.1	51
115	An Assessment of ENSO-Induced Patterns of Rainfall Erosivity in the Southwestern United States. Journal of Climate, 2001, 14, 4230-4242.	3.2	50
116	Spatial and temporal controls on watershed ecohydrology in the northern Rocky Mountains. Water Resources Research, 2010, 46, .	4.2	50
117	Patterns as indicators of productivity enhancement by facilitation and competition in dryland vegetation. Journal of Geophysical Research, 2006, 111, .	3.3	49
118	Feedbacks between phosphorus deposition and canopy cover: The emergence of multiple stable states in tropical dry forests. Global Change Biology, 2008, 14, 154-160.	9.5	49
119	Post-fire resource redistribution and fertility island dynamics in shrub encroached desert grasslands: a modeling approach. Landscape Ecology, 2009, 24, 325-335.	4.2	49
120	Ecohydrology of groundwaterâ€dependent ecosystems: 2. Stochastic soil moisture dynamics. Water Resources Research, 2009, 45, .	4.2	49
121	Globalization of agricultural pollution due to international trade. Hydrology and Earth System Sciences, 2014, 18, 503-510.	4.9	45
122	The green and blue crop water requirement WATNEEDS model and its global gridded outputs. Scientific Data, 2020, 7, 273.	5.3	45
123	Phase Transitions Driven by State-Dependent Poisson Noise. Physical Review Letters, 2004, 92, 110601.	7.8	44
124	Spatial organization and drivers of the virtual water trade: a community-structure analysis. Environmental Research Letters, 2012, 7, 034007.	5.2	44
125	The fourth food revolution. Nature Geoscience, 2013, 6, 417-418.	12.9	44
126	Socio-Environmental Effects of Large-Scale Land Acquisition in Mozambique. Research for Development, 2018, , 377-389.	0.4	44

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127	On space-time scaling of cumulated rainfall fields. Water Resources Research, 1998, 34, 3461-3469.	4.2	43
128	Vegetation dynamics induced by phreatophyte–aquifer interactions. Journal of Theoretical Biology, 2007, 248, 301-310.	1.7	43
129	Environmental consequences of oil production from oil sands. Earth's Future, 2017, 5, 158-170.	6.3	43
130	Food Inequality, Injustice, and Rights. BioScience, 2019, 69, 180-190.	4.9	43
131	Stability and resilience of seagrass meadows to seasonal and interannual dynamics and environmental stress. Journal of Geophysical Research, 2012, 117, .	3.3	42
132	Early Warning Signs in Social-Ecological Networks. PLoS ONE, 2014, 9, e101851.	2.5	42
133	Effect of rainfall interannual variability on the stability and resilience of dryland plant ecosystems. Water Resources Research, 2007, 43, .	4.2	41
134	Coupled stochastic dynamics of water table and soil moisture in bare soil conditions. Water Resources Research, 2008, 44, .	4.2	41
135	Historical trade-offs of livestock's environmental impacts. Environmental Research Letters, 2015, 10, 125013.	5.2	41
136	Changes in spatial variance during a grassland to shrubland state transition. Journal of Ecology, 2017, 105, 750-760.	4.0	41
137	Can biological invasions induce desertification?. New Phytologist, 2009, 181, 512-515.	7.3	40
138	European large-scale farmland investments and the land-water-energy-food nexus. Advances in Water Resources, 2017, 110, 579-590.	3.8	40
139	The water-land-food nexus of natural rubber production. Journal of Cleaner Production, 2018, 172, 1739-1747.	9.3	40
140	Livestock intensification and the influence of dietary change: A calorie-based assessment of competition for crop production. Science of the Total Environment, 2015, 538, 817-823.	8.0	39
141	Spatially explicit feedbacks between seagrass meadow structure, sediment and light: Habitat suitability for seagrass growth. Advances in Water Resources, 2016, 93, 315-325.	3.8	39
142	Duration and frequency of water stress in vegetation: An analytical model. Water Resources Research, 2000, 36, 2297-2307.	4.2	38
143	Climate, vegetation, and soil controls on hydraulic redistribution in shallow tree roots. Advances in Water Resources, 2014, 66, 70-80.	3.8	38
144	Biodiversity enhancement induced by environmental noise. Journal of Theoretical Biology, 2008, 255, 332-337.	1.7	37

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145	Combined effects of soil moisture and nitrogen availability variations on grass productivity in African savannas. Plant and Soil, 2010, 328, 95-108.	3.7	37
146	Impact of land use change on atmospheric P inputs in a tropical dry forest. Journal of Geophysical Research, 2011, 116, .	3.3	37
147	The global land rush and climate change. Earth's Future, 2015, 3, 298-311.	6.3	37
148	Stochastic Flow Analysis for Predicting River Scour of Cohesive Soils. Journal of Hydraulic Engineering, 2006, 132, 493-500.	1.5	36
149	Interactions Between Soil Erosion Processes and Fires: Implications for the Dynamics of Fertility Islands. Rangeland Ecology and Management, 2010, 63, 267-274.	2.3	35
150	Water Savings of Crop Redistribution in the United States. Water (Switzerland), 2017, 9, 83.	2.7	35
151	Desiccation crisis of saline lakes: A new decision-support framework for building resilience to climate change. Science of the Total Environment, 2020, 703, 134718.	8.0	35
152	Resilience and recovery potential of duneland vegetation in the southern Kalahari. Ecosphere, 2014, 5, 1-14.	2.2	33
153	Evaluating Ecohydrological Theories of Woody Root Distribution in the Kalahari. PLoS ONE, 2012, 7, e33996.	2.5	32
154	Weak and Strong Sustainability of Irrigation: A Framework for Irrigation Practices Under Limited Water Availability. Frontiers in Sustainable Food Systems, 2020, 4, .	3.9	32
155	The role of vegetation–microclimate feedback in promoting shrub encroachment in the northern Chihuahuan desert. Global Change Biology, 2015, 21, 2141-2154.	9.5	31
156	Noise-induced vegetation patterns in fire-prone savannas. Journal of Geophysical Research, 2007, 112, .	3.3	30
157	The effect of fire-induced soil hydrophobicity on wind erosion in a semiarid grassland: Experimental observations and theoretical framework. Geomorphology, 2009, 105, 80-86.	2.6	30
158	A possible bistable evolution of soil thickness. Journal of Geophysical Research, 2000, 105, 25927-25935.	3.3	29
159	An ecohydrological framework for grass displacement by woody plants in savannas. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 192-206.	3.0	29
160	Freshwater savings from marine protein consumption. Environmental Research Letters, 2014, 9, 014005.	5.2	29
161	Past and present biophysical redundancy of countries as a buffer to changes in food supply. Environmental Research Letters, 2016, 11, 055008.	5.2	29
162	The water-energy-food nexus of unconventional oil and gas extraction in the Vaca Muerta Play, Argentina. Journal of Cleaner Production, 2019, 207, 743-750.	9.3	29

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163	Tree–Grass Coexistence in the Everglades Freshwater System. Ecosystems, 2011, 14, 298-310.	3.4	28
164	Potential dust emissions from the southern Kalahari's dunelands. Journal of Geophysical Research F: Earth Surface, 2013, 118, 307-314.	2.8	28
165	Examining the linkage between shrub encroachment and recent greening in waterâ€limited southern Africa. Ecosphere, 2015, 6, 1-16.	2.2	28
166	Nonâ€linear shift from grassland to shrubland in temperate barrier islands. Ecology, 2018, 99, 1671-1681.	3.2	28
167	Energy implications of the 21st century agrarian transition. Nature Communications, 2021, 12, 2319.	12.8	28
168	Potential of grass invasions in desert shrublands to create novel ecosystem states under variable climate. Ecohydrology, 2016, 9, 1496-1506.	2.4	27
169	A new dataset of global irrigation areas from 2001 to 2015. Advances in Water Resources, 2021, 152, 103910.	3.8	27
170	Space-time self-organization of mesoscale rainfall and soil moisture. Advances in Water Resources, 2000, 23, 349-357.	3.8	25
171	The geomorphic structure of the runoff peak. Hydrology and Earth System Sciences, 2011, 15, 1853-1863.	4.9	24
172	Ecosystem-scale spatial heterogeneity of stable isotopes of soil nitrogen in African savannas. Landscape Ecology, 2013, 28, 685-698.	4.2	24
173	The Effects of Interannual Rainfall Variability on Tree–Grass Composition Along Kalahari Rainfall Gradient. Ecosystems, 2017, 20, 975-988.	3.4	24
174	Simulating the Cascading Effects of an Extreme Agricultural Production Shock: Global Implications of a Contemporary US Dust Bowl Event. Frontiers in Sustainable Food Systems, 2020, 4, .	3.9	24
175	Competition for water induced by transnational land acquisitions for agriculture. Nature Communications, 2022, 13, 505.	12.8	24
176	lsotope composition and anion chemistry of soil profiles along the Kalahari Transect. Journal of Arid Environments, 2009, 73, 480-486.	2.4	22
177	Effect of repeated deforestation on vegetation dynamics for phosphorusâ€limited tropical forests. Journal of Geophysical Research, 2012, 117, .	3.3	22
178	On the use of neural networks for dendroclimatic reconstructions. Geophysical Research Letters, 2000, 27, 791-794.	4.0	21
179	The influence of stochastic soil moisture dynamics on gaseous emissions of NO, N2O, and N2. Hydrological Sciences Journal, 2003, 48, 781-798.	2.6	21
180	Probabilistic modeling of nitrogen and carbon dynamics in water-limited ecosystems. Ecological Modelling, 2004, 179, 205-219.	2.5	21

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181	A dynamic soil water threshold for vegetation water stress derived from stomatal conductance models. Water Resources Research, 2007, 43, .	4.2	21
182	The Limits of Water Pumps. Science, 2008, 321, 36-37.	12.6	21
183	Hydrologic controls on phosphorus dynamics: A modeling framework. Advances in Water Resources, 2012, 35, 94-109.	3.8	21
184	The land and its people. Nature Geoscience, 2014, 7, 324-325.	12.9	21
185	A quantitative description of the interspecies diversity of belowground structure in savanna woody plants. Ecosphere, 2015, 6, 1-15.	2.2	21
186	Climate change and large-scale land acquisitions in Africa: Quantifying the future impact on acquired water resources. Advances in Water Resources, 2016, 94, 231-237.	3.8	21
187	Hydrological consequences of natural rubber plantations in Southeast Asia. Land Degradation and Development, 2020, 31, 2060-2073.	3.9	21
188	Ecohydrological feedbacks between permafrost and vegetation dynamics. Advances in Water Resources, 2012, 49, 1-12.	3.8	20
189	Possible self-organizing dynamics for land-atmosphere interaction. Journal of Geophysical Research, 1998, 103, 23071-23077.	3.3	19
190	Coupled land-atmosphere modeling of the effects of shrub encroachment on nighttime temperatures. Agricultural and Forest Meteorology, 2011, 151, 1690-1697.	4.8	19
191	Positive feedbacks between phosphorus deposition and forest canopy trapping, evidence from Southern Mexico. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 1521-1531.	3.0	19
192	Antarctica's Dry Valleys: A potential source of soluble iron to the Southern Ocean?. Geophysical Research Letters, 2015, 42, 1912-1918.	4.0	19
193	Dimensionality reduction of complex dynamical systems. IScience, 2021, 24, 101912.	4.1	19
194	Climatic oscillations influence the flooding of Venice. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	18
195	Vertical attributes of precipitation systems in West Africa and adjacent Atlantic Ocean. Theoretical and Applied Climatology, 2008, 92, 181-193.	2.8	18
196	Physiological responses of Spartina alterniflora to varying environmental conditions in Virginia marshes. Hydrobiologia, 2011, 669, 167-181.	2.0	18
197	On the feedback between water turbidity and microphytobenthos growth in shallow tidal environments. Earth Surface Processes and Landforms, 2019, 44, 1192-1206.	2.5	18
198	Water limitations to large-scale desert agroforestry projects for carbon sequestration. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24925-24926.	7.1	18

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