Paolo D'Odorico

List of Publications by Year
in descending order

291	18,306	9264 74	18647 119
papers	citations	h-index	g-index

300	300	300	16938
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Are African irrigation dam projects for large-scale agribusiness or small-scale farmers?. Environmental Research Communications, 2022, 4, 015005.	2.3	5
2	Evaluation of dust production efficiencies in sandy sediments. Earth Surface Processes and Landforms, 2022, 47, 1229-1237.	2.5	1
3	Competition for water induced by transnational land acquisitions for agriculture. Nature Communications, 2022, 13, 505.	12.8	24
4	The value generated by irrigation in the command areas of new agricultural dams in Africa. Agricultural Water Management, 2022, 264, 107517.	5.6	5
5	Thank You to Our 2021 Peer Reviewers. Reviews of Geophysics, 2022, 60, .	23.0	0
6	A new conceptual framework for spatial predictive modelling of land degradation in a semiarid area. Land Degradation and Development, 2022, 33, 3358-3374.	3.9	6
7	Hydrological implications of large-scale afforestation in tropical biomes for climate change mitigation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, .	4.0	12
8	Largeâ€scale land acquisition as a potential driver of slope instability. Land Degradation and Development, 2021, 32, 1773-1785.	3.9	6
9	The water footprint of carbon capture and storage technologies. Renewable and Sustainable Energy Reviews, 2021, 138, 110511.	16.4	54
10	Dimensionality reduction of complex dynamical systems. IScience, 2021, 24, 101912.	4.1	19
11	Impact of transnational land acquisitions on local food security and dietary diversity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	51
12	Thank You to Our Peer Reviewers for 2020. Reviews of Geophysics, 2021, 59, e2021RG000741.	23.0	0
13	Energy implications of the 21st century agrarian transition. Nature Communications, 2021, 12, 2319.	12.8	28
14	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
15	Microclimate feedbacks sustain power law clustering of encroaching coastal woody vegetation. Communications Biology, 2021, 4, 745.	4.4	2
16	A new dataset of global irrigation areas from 2001 to 2015. Advances in Water Resources, 2021, 152, 103910.	3.8	27
17	Observed increasing water constraint on vegetation growth over the last three decades. Nature Communications, 2021, 12, 3777.	12.8	246
18	Values-Based Scenarios of Water Security: Rights to Water, Rights of Waters, and Commercial Water Rights. BioScience, 2021, 71, 1157-1170.	4.9	7

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19	Ecosystem complexity enhances the resilience of plant-pollinator systems. One Earth, 2021, 4, 1286-1296.	6.8	9
20	Quantitative assessment of agricultural sustainability reveals divergent priorities among nations. One Earth, 2021, 4, 1262-1277.	6.8	63
21	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
22	Ecosystem dynamics and aeolian sediment transport in the southern Kalahari. African Journal of Ecology, 2020, 58, 337-344.	0.9	3
23	Critical slowing down associated with critical transition and risk of collapse in crypto-currency. Royal Society Open Science, 2020, 7, 191450.	2.4	7
24	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
25	The green and blue crop water requirement WATNEEDS model and its global gridded outputs. Scientific Data, 2020, 7, 273.	5.3	45
26	Potential for sustainable irrigation expansion in a 3 Â°C warmer climate. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29526-29534.	7.1	106
27	Hydrological limits to carbon capture and storage. Nature Sustainability, 2020, 3, 658-666.	23.7	63
28	Global agricultural economic water scarcity. Science Advances, 2020, 6, eaaz6031.	10.3	334
29	Critical transition to woody plant dominance through microclimate feedbacks in North American coastal ecosystems. Ecology, 2020, 101, e03107.	3.2	9
30	Tropical forest loss enhanced by large-scale land acquisitions. Nature Geoscience, 2020, 13, 482-488.	12.9	87
31	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
32	Hydrological consequences of natural rubber plantations in Southeast Asia. Land Degradation and Development, 2020, 31, 2060-2073.	3.9	21
33	Thank You to Our Peer Reviewers for 2019. Reviews of Geophysics, 2020, 58, no.	23.0	0
34	CAM plant expansion favored indirectly by asymmetric climate warming and increased rainfall variability. Oecologia, 2020, 193, 1-13.	2.0	7
35	Critical Transitions in Plant-Pollinator Systems Induced by Positive Inbreeding-Reward-Pollinator Feedbacks. IScience, 2020, 23, 100819.	4.1	8
36	Mapping Areas of the Southern Ocean Where Productivity Likely Depends on Dustâ€Delivered Iron. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD030926.	3.3	4

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37	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
38	Local food crop production can fulfil demand for less than one-third of the population. Nature Food, 2020, 1, 229-237.	14.0	102
39	Global food self-sufficiency in the 21st century under sustainable intensification of agriculture. Environmental Research Letters, 2020, 15, 095004.	5.2	100
40	Sustaining Water Resources. , 2020, , 149-163.		1
41	The competitive advantage of C4 grasses over CAM plants under increased rainfall variability. Plant and Soil, 2019, 442, 483-495.	3.7	2
42	Global unsustainable virtual water flows in agricultural trade. Environmental Research Letters, 2019, 14, 114001.	5.2	108
43	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
44	The competitive advantage of a constitutive CAM species over a C₄ grass species under drought and CO₂ enrichment. Ecosphere, 2019, 10, e02721.	2.2	13
45	Kalahari Wildfires Drive Continental Post-Fire Brightening in Sub-Saharan Africa. Remote Sensing, 2019, 11, 1090.	4.0	8
46	Food Inequality, Injustice, and Rights. BioScience, 2019, 69, 180-190.	4.9	43
47	Impact of globalization on the resilience and sustainability of natural resources. Nature Sustainability, 2019, 2, 283-289.	23.7	74
48	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
49	Global virtual water trade and the hydrological cycle: patterns, drivers, and socio-environmental impacts. Environmental Research Letters, 2019, 14, 053001.	5.2	118
50	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
51	Climate seasonality as an essential predictor of global fire activity. Global Ecology and Biogeography, 2019, 28, 198-210.	5.8	14
52	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
53	Does phenology play a role in the feedbacks underlying shrub encroachment?. Science of the Total Environment, 2019, 657, 1064-1073.	8.0	17
54	Ecohydrology of Arid and Semiarid Ecosystems: An Introduction. , 2019, , 1-27.		3

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55	Desertification and Land Degradation. , 2019, , 573-602.		10
56	Ecohydrological Controls on the Deposition of Non-rainfall Water, N, and P to Dryland Ecosystems. , 2019, , 121-137.		2
57	Soil Moisture Dynamics in Water-Limited Ecosystems. , 2019, , 31-48.		4
58	Modeling of Phosphorus Dynamics in Dryland Ecosystems. , 2019, , 309-333.		0
59	A Mechanism of Land Degradation in Turfâ€Mantled Slopes of the Tibetan Plateau. Geophysical Research Letters, 2018, 45, 4041-4048.	4.0	6
60	The Global Foodâ€Energyâ€Water Nexus. Reviews of Geophysics, 2018, 56, 456-531.	23.0	446
61	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
62	Socio-Environmental Effects of Large-Scale Land Acquisition in Mozambique. Research for Development, 2018, , 377-389.	0.4	44
63	Making ecological models adequate. Ecology Letters, 2018, 21, 153-166.	6.4	100
64	Nonâ€linear shift from grassland to shrubland in temperate barrier islands. Ecology, 2018, 99, 1671-1681.	3.2	28
65	The Global Water Grabbing Syndrome. Ecological Economics, 2018, 143, 276-285.	5.7	134
66	Non-linear Shift from Grassland to Shrubland in Temperate Barrier Islands. Bulletin of the Ecological Society of America, 2018, 99, e01421.	0.2	0
67	Food, trade, and the environment. Environmental Research Letters, 2018, 13, 100201.	5.2	8
68	The neglected costs of water peace. Wiley Interdisciplinary Reviews: Water, 2018, 5, e1316.	6.5	11
69	Closing the yield gap while ensuring water sustainability. Environmental Research Letters, 2018, 13, 104002.	5.2	127
70	Response of a facultative CAM plant and its competitive relationship with a grass to changes in rainfall regime. Plant and Soil, 2018, 427, 321-333.	3.7	5
71	The water-land-food nexus of natural rubber production. Journal of Cleaner Production, 2018, 172, 1739-1747.	9.3	40
72	The interactive effects of press/pulse intensity and duration on regime shifts at multiple scales. Ecological Monographs, 2017, 87, 198-218.	5.4	58

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73	Resilience in the global food system. Environmental Research Letters, 2017, 12, 025010.	5.2	100
74	Total vertical sediment flux and PM10 emissions from disturbed Chihuahuan Desert surfaces. Geoderma, 2017, 293, 19-25.	5.1	16
75	The Enemy of My Enemy Hypothesis: Why Coexisting with Grasses May Be an Adaptive Strategy for Savanna Trees. Ecosystems, 2017, 20, 1278-1295.	3.4	14
76	The nexus between forest fragmentation in Africa and Ebola virus disease outbreaks. Scientific Reports, 2017, 7, 41613.	3.3	145
77	Effects of competition on induction of crassulacean acid metabolism in a facultative CAM plant. Oecologia, 2017, 184, 351-361.	2.0	11
78	Albedo changes after fire as an explanation of fire-induced rainfall suppression. Geophysical Research Letters, 2017, 44, 3916-3923.	4.0	15
79	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
80	The Effects of Interannual Rainfall Variability on Treeâ€“Grass Composition Along Kalahari Rainfall Gradient. Ecosystems, 2017, 20, 975-988.	3.4	24
81	Environmental consequences of oil production from oil sands. Earth's Future, 2017, 5, 158-170.	6.3	43
82	The Tragedy of the Grabbed Commons: Coercion and Dispossession in the Global Land Rush. World Development, 2017, 92, 1-12.	4.9	216
83	Coastal regime shifts: rapid responses of coastal wetlands to changes in mangrove cover. Ecology, 2017, 98, 762-772.	3.2	74
84	Water limits to closing yield gaps. Advances in Water Resources, 2017, 99, 67-75.	3.8	58
85	Virtual Water as a Metric for Institutional Sustainability. Sustainability, 2017, 10, 237-245.	0.7	4
86	Threats to sustainable development posed by land and water grabbing. Current Opinion in Environmental Sustainability, 2017, 26-27, 120-128.	6.3	111
87	The effect of nitrogen availability and water conditions on competition between a facultative <scp>CAM</scp> plant and an invasive grass. Ecology and Evolution, 2017, 7, 7739-7749.	1.9	10
88	European large-scale farmland investments and the land-water-energy-food nexus. Advances in Water Resources, 2017, 110, 579-590.	3.8	40
89	Increased food production and reduced water use through optimized crop distribution. Nature Geoscience, 2017, 10, 919-924.	12.9	238
90	Age distribution dynamics with stochastic jumps in mortality. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20170451.	2.1	2

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91	From facilitative to competitive interactions between woody plants and plants with crassulacean acid metabolism (CAM): The role of hydraulic descent. Ecohydrology, 2017, 10, e1799.	2.4	6
92	Changes in spatial variance during a grassland to shrubland state transition. Journal of Ecology, 2017, 105, 750-760.	4.0	41
93	Ancient water supports today's energy needs. Earth's Future, 2017, 5, 515-519.	6.3	9
94	Water Savings of Crop Redistribution in the United States. Water (Switzerland), 2017, 9, 83.	2.7	35
95	Land Degradation and Environmental Change. , 2016, , 219-227.		12
96	The past and future of food stocks. Environmental Research Letters, 2016, 11, 035010.	5.2	17
97	Potential of grass invasions in desert shrublands to create novel ecosystem states under variable climate. Ecohydrology, 2016, 9, 1496-1506.	2.4	27
98	Meeting future food demand with current agricultural resources. Global Environmental Change, 2016, 39, 125-132.	7.8	277
99	Environmental impact food labels combining carbon, nitrogen, and water footprints. Food Policy, 2016, 61, 213-223.	6.0	144
100	Suppression of rainfall by fires in African drylands. Geophysical Research Letters, 2016, 43, 8527-8533.	4.0	17
101	Soluble ferrous iron (Fe (II)) enrichment in airborne dust. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,153.	3.3	12
102	The water-land-food nexus of first-generation biofuels. Scientific Reports, 2016, 6, 22521.	3.3	226
103	Past and present biophysical redundancy of countries as a buffer to changes in food supply. Environmental Research Letters, 2016, 11, 055008.	5.2	29
104	Pathways to sustainable intensification through crop water management. Environmental Research Letters, 2016, 11, 091001.	5.2	14
105	Reserves and trade jointly determine exposure to food supply shocks. Environmental Research Letters, 2016, 11, 095009.	5.2	88
106	What commodities and countries impact inequality in the global food system?. Environmental Research Letters, 2016, 11, 095013.	5.2	8
107	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
108	Tree island pattern formation in the Florida Everglades. Ecological Complexity, 2016, 26, 37-44.	2.9	2

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109	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
110	Ecomorphodynamic approaches to river anabranching patterns. Advances in Water Resources, 2016, 93, 156-165.	3.8	14
111	Antarctica's Dry Valleys: A potential source of soluble iron to the Southern Ocean?. Geophysical Research Letters, 2015, 42, 1912-1918.	4.0	19
112	The global land rush and climate change. Earth's Future, 2015, 3, 298-311.	6.3	37
113	A quantitative description of the interspecies diversity of belowground structure in savanna woody plants. Ecosphere, 2015, 6, 1-15.	2.2	21
114	Examining the linkage between shrub encroachment and recent greening in waterâ€limited southern Africa. Ecosphere, 2015, 6, 1-16.	2.2	28
115	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
116	Dustâ€rainfall feedback in West African Sahel. Geophysical Research Letters, 2015, 42, 7563-7571.	4.0	12
117	Historical trade-offs of livestockâ€™s environmental impacts. Environmental Research Letters, 2015, 10, 125013.	5.2	41
118	The relative importance of climate change and shrub encroachment on nocturnal warming in the southwestern United States. International Journal of Climatology, 2015, 35, 475-480.	3.5	10
119	Inequality or injustice in water use for food?. Environmental Research Letters, 2015, 10, 024013.	5.2	17
120	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
121	Phosphorus input through fog deposition in a dry tropical forest. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 2493-2504.	3.0	14
122	Biogeochemistry of dust sources in Southern Africa. Journal of Arid Environments, 2015, 117, 18-27.	2.4	13
123	Soil organic C and total N pools in the Kalahari: potential impacts of climate change on C sequestration in savannas. Plant and Soil, 2015, 396, 27-44.	3.7	16
124	Manage water in a green way. Science, 2015, 349, 584-585.	12.6	130
125	Accelerated deforestation driven by large-scale land acquisitions in Cambodia. Nature Geoscience, 2015, 8, 772-775.	12.9	164
126	The economic impacts of positive feedbacks resulting from deforestation. Ecological Economics, 2015, 120, 93-99.	5.7	4

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127	The role of vegetationâ€“microclimate feedback in promoting shrub encroachment in the northern Chihuahuan desert. Global Change Biology, 2015, 21, 2141-2154.	9.5	31
128	Global sensitivity of highâ€resolution estimates of crop water footprint. Water Resources Research, 2015, 51, 8257-8272.	4.2	91
129	Hydraulic lift as a determinant of treeâ€“grass coexistence on savannas. New Phytologist, 2015, 207, 1038-1051.	7.3	63
130	Direct and Indirect Facilitation of Plants with Crassulacean Acid Metabolism (CAM). Ecosystems, 2015, 18, 985-999.	3.4	13
131	Indicators of Collapse in Systems Undergoing Unsustainable Growth. Bulletin of Mathematical Biology, 2015, 77, 339-347.	1.9	5
132	The Globalisation of Food and Water: The Italian Case. , 2015, , 145-158.		0
133	Globalization of agricultural pollution due to international trade. Hydrology and Earth System Sciences, 2014, 18, 503-510.	4.9	45
134	Early Warning Signs in Social-Ecological Networks. PLoS ONE, 2014, 9, e101851.	2.5	42
135	Land grabbing: a preliminary quantification of economic impacts on rural livelihoods. Population and Environment, 2014, 36, 180-192.	3.0	120
136	Reply to Comment on â€˜Water footprint of marine protein consumptionâ€”aquacultureâ€™s link to freshwaterâ€™. Environmental Research Letters, 2014, 9, 109002.	5.2	1
137	Bistable dynamics between forest removal and landslide occurrence. Water Resources Research, 2014, 50, 1112-1130.	4.2	15
138	Feeding humanity through global food trade. Earth's Future, 2014, 2, 458-469.	6.3	300
139	Resilience and recovery potential of duneland vegetation in the southern Kalahari. Ecosphere, 2014, 5, 1-14.	2.2	33
140	An analysis of structure: biomass structure relationships for characteristic species of the western <scp>K</scp>alahari, <scp>B</scp>otswana. African Journal of Ecology, 2014, 52, 20-29.	0.9	17
141	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
142	Food appropriation through large scale land acquisitions. Environmental Research Letters, 2014, 9, 064030.	5.2	58
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	An ecohydrological framework for grass displacement by woody plants in savannas. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 192-206.	3.0	29

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145	The land and its people. Nature Geoscience, 2014, 7, 324-325.	12.9	21
146	Freshwater savings from marine protein consumption. Environmental Research Letters, 2014, 9, 014005.	5.2	29
147	Moderating diets to feed the future. Earth's Future, 2014, 2, 559-565.	6.3	59
148	Can land use intensification in the Mallee, Australia increase the supply of soluble iron to the Southern Ocean?. Scientific Reports, 2014, 4, 6009.	3.3	9
149	Experimental evidence for limited leaching of phosphorus from canopy leaves in a tropical dry forest. Ecohydrology, 2013, 6, 806-817.	2.4	8
150	The impact of changing moisture conditions on short-term P availability in weathered soils. Plant and Soil, 2013, 365, 201-209.	3.7	16
151	Global desertification: Drivers and feedbacks. Advances in Water Resources, 2013, 51, 326-344.	3.8	656
152	Precursors of state transitions in stochastic systems with delay. Theoretical Ecology, 2013, 6, 265-270.	1.0	7
153	Vegetationâ€“microclimate feedbacks in woodlandâ€“grassland ecotones. Global Ecology and Biogeography, 2013, 22, 364-379.	5.8	142
154	Positive feedbacks and bistability associated with phosphorusâ€“vegetationâ€“microbial interactions. Advances in Water Resources, 2013, 52, 151-164.	3.8	9
155	Reply to â€˜The politics of evidence: a response to Rulli and D'Odoricoâ€™. Journal of Peasant Studies, 2013, 40, 913-914.	4.5	4
156	The science of evidence: the value of global studies on land rush. Journal of Peasant Studies, 2013, 40, 907-909.	4.5	13
157	The water footprint of land grabbing. Geophysical Research Letters, 2013, 40, 6130-6135.	4.0	51
158	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
159	Ecosystem-scale spatial heterogeneity of stable isotopes of soil nitrogen in African savannas. Landscape Ecology, 2013, 28, 685-698.	4.2	24
160	The fourth food revolution. Nature Geoscience, 2013, 6, 417-418.	12.9	44
161	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
162	Potential dust emissions from the southern Kalahari's dunelands. Journal of Geophysical Research F: Earth Surface, 2013, 118, 307-314.	2.8	28

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163	Nonlinear Dynamics and Alternative Stable States in Shallow Coastal Systems. Oceanography, 2013, 26, 220-231.	1.0	57
164	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
165	Recent History and Geography of Virtual Water Trade. PLoS ONE, 2013, 8, e55825.	2.5	115
166	Global Spatio-Temporal Patterns in Human Migration: A Complex Network Perspective. PLoS ONE, 2013, 8, e53723.	2.5	90
167	Robustness of variance and autocorrelation as indicators of critical slowing down. Ecology, 2012, 93, 264-271.	3.2	243
168	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
169	Spatial organization and drivers of the virtual water trade: a community-structure analysis. Environmental Research Letters, 2012, 7, 034007.	5.2	44
170	The Southern Kalahari: a potential new dust source in the Southern Hemisphere?. Environmental Research Letters, 2012, 7, 024001.	5.2	60
171	Dryland ecohydrology and climate change: critical issues and technical advances. Hydrology and Earth System Sciences, 2012, 16, 2585-2603.	4.9	241
172	Ecohydrological feedbacks between permafrost and vegetation dynamics. Advances in Water Resources, 2012, 49, 1-12.	3.8	20
173	Physical and biological feedbacks of deforestation. Reviews of Geophysics, 2012, 50, .	23.0	86
174	Stability and resilience of seagrass meadows to seasonal and interannual dynamics and environmental stress. Journal of Geophysical Research, 2012, 117, .	3.3	42
175	Hydrologic controls on phosphorus dynamics: A modeling framework. Advances in Water Resources, 2012, 35, 94-109.	3.8	21
176	Spatio-temporal stochastic resonance induces patterns in wetland vegetation dynamics. Ecological Complexity, 2012, 10, 93-101.	2.9	13
177	Interdependence of climate, soil, and vegetation as constrained by the Budyko curve. Geophysical Research Letters, 2012, 39, .	4.0	210
178	Noise-sustained fluctuations in stochastic dynamics with a delay. Physical Review E, 2012, 85, 041106.	2.1	4
179	Effect of repeated deforestation on vegetation dynamics for phosphorusâ€limited tropical forests. Journal of Geophysical Research, 2012, 117, .	3.3	22
180	On the temporal variability of the virtual water network. Geophysical Research Letters, 2012, 39, .	4.0	78

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181	Evaluating Ecohydrological Theories of Woody Root Distribution in the Kalahari. PLoS ONE, 2012, 7, e33996.	2.5	32
182	Inequalities in the networks of virtual water flow. Eos, 2012, 93, 309-310.	0.1	16
183	A synthetic review of feedbacks and drivers of shrub encroachment in arid grasslands. Ecohydrology, 2012, 5, 520-530.	2.4	313
184	Understanding the role of ecohydrological feedbacks in ecosystem state change in drylands. Ecohydrology, 2012, 5, 174-183.	2.4	110
185	Stochastic resonance and coherence resonance in groundwater-dependent plant ecosystems. Journal of Theoretical Biology, 2012, 293, 65-73.	1.7	15
186	The interactive nutrient and water effects on vegetation biomass at two <scp>A</scp>frican savannah sites with different mean annual precipitation. African Journal of Ecology, 2012, 50, 446-454.	0.9	12
187	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
188	Impact of land use change on atmospheric P inputs in a tropical dry forest. Journal of Geophysical Research, 2011, 116, .	3.3	37
189	AEOLIAN PROCESSES AND THE BIOSPHERE. Reviews of Geophysics, 2011, 49, .	23.0	230
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	Spatial pattern formation induced by Gaussian white noise. Mathematical Biosciences, 2011, 229, 174-184.	1.9	17
192	The geomorphic structure of the runoff peak. Hydrology and Earth System Sciences, 2011, 15, 1853-1863.	4.9	24
193	Physiological responses of Spartina alterniflora to varying environmental conditions in Virginia marshes. Hydrobiologia, 2011, 669, 167-181.	2.0	18
194	Relation Between the North-Atlantic Oscillation and Hydroclimatic Conditions in Mediterranean Areas. Water Resources Management, 2011, 25, 1269-1279.	3.9	76
195	Treeâ€“Grass Coexistence in the Everglades Freshwater System. Ecosystems, 2011, 14, 298-310.	3.4	28
196	Transient growth induces unexpected deterministic spatial patterns in the Turing process. Europhysics Letters, 2011, 95, 18003.	2.0	14
197	Virtual water transfers unlikely to redress inequality in global water use. Environmental Research Letters, 2011, 6, 024017.	5.2	75
198	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

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199	Patterns and implications of Plant-soil Î´¹³C and Î´¹⁵N values in African savanna ecosystems. Quaternary Research, 2010, 73, 77-83.	1.7	55
200	A stochastic model for vegetation water stress. Ecohydrology, 2010, 3, 177-188.	2.4	5
201	Ecohydrology of Terrestrial Ecosystems. BioScience, 2010, 60, 898-907.	4.9	109
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