David D Breshears

List of Publications by Year
in descending order

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155 papers	28,926 citations	16451 64 h-index	7348 152 g-index
159 all docs	159 docs citations	159 times ranked	20812 citing authors

#	Article	IF	Citations
1	Biological invasions and climate change amplify each otherâ€™s effects on dryland degradation. Global Change Biology, 2022, 28, 285-295.	9.5	23
2	Climateâ€driven, but dynamic and complex? A reconciliation of competing hypotheses for speciesâ€™ distributions. Ecology Letters, 2022, 25, 38-51.	6.4	20
3	Mechanisms of woody-plant mortality under rising drought, CO2 and vapour pressure deficit. Nature Reviews Earth & Environment, 2022, 3, 294-308.	29.7	163
4	Evaluation of vegetation indices and imaging spectroscopy to estimate foliar nitrogen across disparate biomes. Ecosphere, 2022, 13, .	2.2	3
5	Global field observations of tree die-off reveal hotter-drought fingerprint for Earthâ€™s forests. Nature Communications, 2022, 13, 1761.	12.8	171
6	Macrosystems as metacoupled human and natural systems. Frontiers in Ecology and the Environment, 2021, 19, 20-29.	4.0	19
7	Underappreciated plant vulnerabilities to heat waves. New Phytologist, 2021, 231, 32-39.	7.3	91
8	The growing challenge of vegetation change. Science, 2021, 372, 786-787.	12.6	23
9	Radionuclide resuspension across ecosystems and environmental disturbances. Journal of Environmental Radioactivity, 2021, 233, 106586.	1.7	5
10	Climate Change Effects on North American Fish and Fisheries to Inform Adaptation Strategies. Fisheries, 2021, 46, 449-464.	0.8	16
11	How deregulation, drought and increasing fire impact Amazonian biodiversity. Nature, 2021, 597, 516-521.	27.8	65
12	Improved dryland carbon flux predictions with explicit consideration of water-carbon coupling. Communications Earth & Environment, 2021, 2, .	6.8	16
13	Predicting Drivers of Collective Soil Function With Woody Plant Encroachment in Complex Landscapes. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG005838.	3.0	4
14	Reframing tropical savannization: linking changes in canopy structure to energy balance alterations that impact climate. Ecosphere, 2020, 11, e03231.	2.2	24
15	Forest Management Under Megadrought: Urgent Needs at Finer Scale and Higher Intensity. Frontiers in Forests and Global Change, 2020, 3, .	2.3	16
16	Drought supersedes warming in determining volatile and tissue defenses of piÃ±on pine (Pinus edulis). Environmental Research Letters, 2019, 14, 065006.	5.2	13
17	Mechanisms of a coniferous woodland persistence under drought and heat. Environmental Research Letters, 2019, 14, 045014.	5.2	72
18	Targeting Extreme Events: Complementing Near-Term Ecological Forecasting With Rapid Experiments and Regional Surveys. Frontiers in Environmental Science, 2019, 7, .	3.3	5

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19	Bioclimatic Envelopes for Individual Demographic Events Driven by Extremes: Plant Mortality from Drought and Warming. International Journal of Plant Sciences, 2019, 180, 53-62.	1.3	25
20	Research frontiers for improving our understanding of droughtâ€induced tree and forest mortality. New Phytologist, 2018, 218, 15-28.	7.3	334
21	Implicit assumptions of conceptual diagrams in environmental science and best practices for their illustration. Ecosphere, 2018, 9, e02072.	2.2	9
22	Chronic historical drought legacy exacerbates tree mortality and crown dieback during acute heatwave-compounded drought. Environmental Research Letters, 2018, 13, 095002.	5.2	58
23	A Dirty Dozen Ways to Die: Metrics and Modifiers of Mortality Driven by Drought and Warming for a Tree Species. Frontiers in Forests and Global Change, 2018, 1, .	2.3	35
24	Subcontinental heat wave triggers terrestrial and marine, multi-taxa responses. Scientific Reports, 2018, 8, 13094.	3.3	101
25	Continental-scale consequences of tree die-offs in North America: identifying where forest loss matters most. Environmental Research Letters, 2018, 13, 055014.	5.2	39
26	CO₂diffusion into pore spaces limits weathering rate of an experimental basalt landscape. Geology, 2017, 45, 203-206.	4.4	13
27	Prototype campaign assessment of disturbanceâ€induced tree loss effects on surface properties for atmospheric modeling. Ecosphere, 2017, 8, e01698.	2.2	5
28	Candidate halophytic grasses for addressing land degradation: Shoot responses ofSporobolus airoidesandPaspalum vaginatumto weekly increasing NaCl concentration. Arid Land Research and Management, 2017, 31, 169-181.	1.6	8
29	Temperature response surfaces for mortality risk of tree species with future drought. Environmental Research Letters, 2017, 12, 115014.	5.2	67
30	Ecosystem dynamics and management after forest dieâ€off: a global synthesis with conceptual stateâ€andâ€transition models. Ecosphere, 2017, 8, e02034.	2.2	56
31	Beyond greenness: Detecting temporal changes in photosynthetic capacity with hyperspectral reflectance data. PLoS ONE, 2017, 12, e0189539.	2.5	51
32	Ecohydrology: Processes and Implications for Rangelands. Springer Series on Environmental Management, 2017, , 85-129.	0.3	17
33	A multi-species synthesis of physiological mechanisms in drought-induced tree mortality. Nature Ecology and Evolution, 2017, 1, 1285-1291.	7.8	739
34	Synergistic Ecoclimate Teleconnections from Forest Loss in Different Regions Structure Global Ecological Responses. PLoS ONE, 2016, 11, e0165042.	2.5	39
35	Rangeland Responses to Predicted Increases in Drought Extremity. Rangelands, 2016, 38, 191-196.	1.9	31
36	How drought-induced forest die-off alters microclimate and increases fuel loadings and fire potentials. International Journal of Wildland Fire, 2016, 25, 819.	2.4	65

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37	Multi-scale predictions of massive conifer mortality due to chronic temperature rise. Nature Climate Change, 2016, 6, 295-300.	18.8	296
38	Toward accounting for ecoclimate teleconnections: intra- and inter-continental consequences of altered energy balance after vegetation change. Landscape Ecology, 2016, 31, 181-194.	4.2	53
39	Recent tree dieâ€off has little effect on streamflow in contrast to expected increases from historical studies. Water Resources Research, 2015, 51, 9775-9789.	4.2	97
40	Critical Zone Services: Expanding Context, Constraints, and Currency beyond Ecosystem Services. Vadose Zone Journal, 2015, 14, vzj2014.10.0142.	2.2	60
41	Forecasting the response of Earth's surface to future climatic and land use changes: A review of methods and research needs. Earth's Future, 2015, 3, 220-251.	6.3	98
42	Rainfall intensity switches ecohydrological runoff/runon redistribution patterns in dryland vegetation patches. Ecological Applications, 2015, 25, 2094-2100.	3.8	30
43	Sensitivity of regional evapotranspiration partitioning to variation in woody plant cover: insights from experimental dryland tree mosaics. Global Ecology and Biogeography, 2015, 24, 1040-1048.	5.8	28
44	The Landscape Evolution Observatory: A large-scale controllable infrastructure to study coupled Earth-surface processes. Geomorphology, 2015, 244, 190-203.	2.6	47
45	On underestimation of global vulnerability to tree mortality and forest dieâ€off from hotter drought in the Anthropocene. Ecosphere, 2015, 6, 1-55.	2.2	1,739
46	Sunlight and Soilâ€“Litter Mixing: Drivers of Litter Decomposition in Drylands. Progress in Botany Fortschritte Der Botanik, 2015, , 273-302.	0.3	39
47	Progress on relationships between horizontal and vertical dust flux: Mathematical, empirical and risk-based perspectives. Aeolian Research, 2014, 14, 105-111.	2.7	13
48	Aeolian sediment and dust fluxes during predominant â€œbackgroundâ€•wind conditions for unburned and burned semiarid grassland: Interplay between particle size and temporal scale. Aeolian Research, 2014, 14, 97-103.	2.7	10
49	Introduction to a Special Issue of Aeolian Research Airborne mineral dust contaminants: Impacts on human health and the environment. Aeolian Research, 2014, 14, 1-2.	2.7	5
50	Nonstructural leaf carbohydrate dynamics of <scp>P</scp>inus edulis during droughtâ€induced tree mortality reveal role for carbon metabolism in mortality mechanism. New Phytologist, 2013, 197, 1142-1151.	7.3	221
51	Modeling aeolian transport of soil-bound plutonium: considering infrequent but normal environmental disturbances is critical in estimating future dose. Journal of Environmental Radioactivity, 2013, 120, 73-80.	1.7	7
52	Global changeâ€type droughtâ€induced tree mortality: vapor pressure deficit is more important than temperature per se in causing decline in tree health. Ecology and Evolution, 2013, 3, 2711-2729.	1.9	160
53	The critical amplifying role of increasing atmospheric moisture demand on tree mortality and associated regional die-off. Frontiers in Plant Science, 2013, 4, 266.	3.6	163
54	Precipitation thresholds and droughtâ€induced tree dieâ€off: insights from patterns of <scp>P</scp>inus edulis mortality along an environmental stress gradient. New Phytologist, 2013, 200, 413-421.	7.3	78

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55	Coevolution of nonlinear trends in vegetation, soils, and topography with elevation and slope aspect: A case study in the sky islands of southern Arizona. Journal of Geophysical Research F: Earth Surface, 2013, 118, 741-758.	2.8	76
56	Employing lidar to detail vegetation canopy architecture for prediction of aeolian transport. Geophysical Research Letters, 2013, 40, 1724-1728.	4.0	23
57	Key landscape ecology metrics for assessing climate change adaptation options: rate of change and patchiness of impacts. Ecosphere, 2013, 4, 1-18.	2.2	8
58	Density-Dependent Ecohydrological Effects of PiÃ±onâ€“Juniper Woody Canopy Cover on Soil Microclimate and Potential Soil Evaporation. Rangeland Ecology and Management, 2012, 65, 11-20.	2.3	30
59	Modeling aeolian transport in response to succession, disturbance and future climate: Dynamic long-term risk assessment for contaminant redistribution. Aeolian Research, 2012, 3, 445-457.	2.7	15
60	Soil C and N patterns in a semiarid piÃ±onâ€“juniper woodland: Topography of slope and ephemeral channels add to canopyâ€“intercanopy heterogeneity. Journal of Arid Environments, 2012, 79, 20-24.	2.4	6
61	Leveraging modern climatology to increase adaptive capacity across protected area networks. Global Environmental Change, 2012, 22, 268-274.	7.8	7
62	Sediment capture by vegetation patches: Implications for desertification and increased resource redistribution. Journal of Geophysical Research, 2012, 117, .	3.3	52
63	Ecohydrologic connections and complexities in drylands: new perspectives for understanding transformative landscape change. Ecohydrology, 2012, 5, 143-144.	2.4	11
64	Ecohydrological consequences of droughtâ€•and infestationâ€•triggered tree dieâ€•off: insights and hypotheses. Ecohydrology, 2012, 5, 145-159.	2.4	211
65	Ecohydrological Sourceâ€“Sink Interrelationships between Vegetation Patches and Soil Hydrological Properties along a Disturbance Gradient Reveal a Restoration Threshold. Restoration Ecology, 2012, 20, 360-368.	2.9	28
66	AEOLIAN PROCESSES AND THE BIOSPHERE. Reviews of Geophysics, 2011, 49, .	23.0	230
67	The interdependence of mechanisms underlying climate-driven vegetation mortality. Trends in Ecology and Evolution, 2011, 26, 523-532.	8.7	839
68	Interactive effects of grazing and burning on wind- and water-driven sediment fluxes: rangeland management implications. , 2011, 21, 22-32.		33
69	Remotely sensed vegetation phenology and productivity along a climatic gradient: on the value of incorporating the dimension of woody plant cover. Global Ecology and Biogeography, 2011, 20, 101-113.	5.8	22
70	Extreme climatic eventâ€triggered overstorey vegetation loss increases understorey solar input regionally: primary and secondary ecological implications. Journal of Ecology, 2011, 99, 714-723.	4.0	102
71	Decreased streamflow in semi-arid basins following drought-induced tree die-off: A counter-intuitive and indirect climate impact on hydrology. Journal of Hydrology, 2011, 406, 225-233.	5.4	92
72	When Ecosystem Services Crash: Preparing for Big, Fast, Patchy Climate Change. Ambio, 2011, 40, 256-263.	5.5	70

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73	How Water, Carbon, and Energy Drive Critical Zone Evolution: The Jemezâ€“Santa Catalina Critical Zone Observatory. Vadose Zone Journal, 2011, 10, 884-899.	2.2	111
74	Nearâ€ground solar radiation along the grasslandâ€“forest continuum: Tallâ€tree canopy architecture imposes only muted trends and heterogeneity. Austral Ecology, 2010, 35, 31-40.	1.5	33
75	Seasonally Pulsed Heterogeneity in Microclimate: Phenology and Cover Effects along Deciduous Grasslandâ€“Forest Continuum. Vadose Zone Journal, 2010, 9, 537-547.	2.2	53
76	Evapotranspiration Partitioning in a Semiarid Woodland: Ecohydrologic Heterogeneity and Connectivity of Vegetation Patches. Vadose Zone Journal, 2010, 9, 561-572.	2.2	49
77	The ecology of dust. Frontiers in Ecology and the Environment, 2010, 8, 423-430.	4.0	248
78	Climateâ€induced Tree Mortality: Earth System Consequences. Eos, 2010, 91, 153-154.	0.1	136
79	Partitioning evapotranspiration across gradients of woody plant cover: Assessment of a stable isotope technique. Geophysical Research Letters, 2010, 37, .	4.0	179
80	Soil carbon heterogeneity in piÃ±onâ€“juniper woodland patches: Effect of woody plant variation on neighboring intercanopies is not detectable. Journal of Arid Environments, 2010, 74, 239-246.	2.4	6
81	Ecohydrological controls of soil evaporation in deciduous drylands: How the hierarchical effects of litter, patch and vegetation mosaic cover interact with phenology and season. Journal of Arid Environments, 2010, 74, 595-602.	2.4	87
82	A global overview of drought and heat-induced tree mortality reveals emerging climate change risks for forests. Forest Ecology and Management, 2010, 259, 660-684.	3.2	5,535
83	Ecohydrological energy inputs in semiarid coniferous gradients: Responses to management- and drought-induced tree reductions. Forest Ecology and Management, 2010, 260, 1646-1655.	3.2	30
84	Land degradation in drylands: Interactions among hydrologicâ€“aeolian erosion and vegetation dynamics. Geomorphology, 2010, 116, 236-245.	2.6	306
85	Redistribution of Runoff Among Vegetation Patch Types: On Ecohydrological Optimality of Herbaceous Capture of Run-On. Rangeland Ecology and Management, 2010, 63, 497-504.	2.3	44
86	Temperature sensitivity of drought-induced tree mortality portends increased regional die-off under global-change-type drought. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7063-7066.	7.1	857
87	Tracking the rhythm of the seasons in the face of global change: phenological research in the 21st century. Frontiers in Ecology and the Environment, 2009, 7, 253-260.	4.0	429
88	Horizontal heterogeneity in the frequency of plantâ€available water with woodland intercanopyâ€“canopy vegetation patch type rivals that occuring vertically by soil depth. Ecohydrology, 2009, 2, 503-519.	2.4	68
89	Ecohydrology Bearings: Invited Commentary to challenge paradigms, question assumptions, prioritize needs and enhance interdisciplinary dialogue. Ecohydrology, 2009, 2, 381-382.	2.4	1
90	A conceptual framework for dryland aeolian sediment transport along the grasslandâ€“forest continuum: Effects of woody plant canopy cover and disturbance. Geomorphology, 2009, 105, 28-38.	2.6	91

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91	Toward a more holistic perspective of soil erosion: Why aeolian research needs to explicitly consider fluvial processes and interactions. Aeolian Research, 2009, 1, 9-17.	2.7	99
92	Vegetation Responses to Extreme Hydrological Events: Sequence Matters. American Naturalist, 2009, 173, 113-118.	2.1	73
93	Tree dieâ€off in response to global changeâ€type drought: mortality insights from a decade of plant water potential measurements. Frontiers in Ecology and the Environment, 2009, 7, 185-189.	4.0	436
94	The Hills Are Alive: Earth Science in a Controlled Environment. Eos, 2009, 90, 120-120.	0.1	29
95	Spatial extent of the North American Monsoon: Increased crossâ€regional linkages via atmospheric pathways. Geophysical Research Letters, 2009, 36, .	4.0	37
96	Fog interception by nonâ€vascular epiphytes in tropical montane cloud forests: dependencies on gauge type and meteorological conditions. Hydrological Processes, 2008, 22, 2484-2492.	2.6	23
97	Soil water dynamics under lowâ€versus highâ€ponderosa pine tree density: ecohydrological functioning and restoration implications. Ecohydrology, 2008, 1, 309-315.	2.4	39
98	Mechanisms of plant survival and mortality during drought: why do some plants survive while others succumb to drought?. New Phytologist, 2008, 178, 719-739.	7.3	3,232
99	FOLIAR ABSORPTION OF INTERCEPTED RAINFALL IMPROVES WOODY PLANT WATER STATUS MOST DURING DROUGHT. Ecology, 2008, 89, 41-47.	3.2	165
100	PHENOLOGY OF MIXED WOODYâ€“HERBACEOUS ECOSYSTEMS FOLLOWING EXTREME EVENTS: NET AND DIFFERENTIAL RESPONSES. Ecology, 2008, 89, 342-352.	3.2	80
101	Comparing response of Pinus edulis tree-ring growth to five alternate moisture indices using historic meteorological data. Journal of Arid Environments, 2008, 72, 350-357.	2.4	36
102	Thinning semiarid forests amplifies wind erosion comparably to wildfire: Implications for restoration and soil stability. Journal of Arid Environments, 2008, 72, 494-508.	2.4	23
103	Vegetation synchronously leans upslope as climate warms. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11591-11592.	7.1	120
104	Structure and Function of Woodland Mosaics: Consequences of Patch-Scale Heterogeneity and Connectivity Along the Grasslandâ€“Forest Continuum. Ecological Studies, 2008, , 58-92.	1.2	7
105	URANIUM PARTITION COEFFICIENTS (K d) IN FOREST SURFACE SOIL REVEAL LONG EQUILIBRIUM TIMES AND VARY BY SITE AND SOIL SIZE FRACTION. Health Physics, 2007, 93, 36-46.	0.5	9
106	Evolving plans for the USA National Phenology Network. Eos, 2007, 88, 211-211.	0.1	23
107	Climate-induced forest dieback as an emergent global phenomenon. Eos, 2007, 88, 504-504.	0.1	26
108	Effects of topography and woody plant canopy cover on nearâ€ground solar radiation: Relevant energy inputs for ecohydrology and hydropedology. Geophysical Research Letters, 2007, 34, .	4.0	61

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109	Professional certification: increasing ecologists' effectiveness. Frontiers in Ecology and the Environment, 2007, 5, 399-399.	4.0	3
110	Ecohydrology of water-limited environments: A scientific vision. Water Resources Research, 2006, 42, .	4.2	397
111	The grasslandâ€"forest continuum: trends in ecosystem properties for woody plant mosaics?. Frontiers in Ecology and the Environment, 2006, 4, 96-104.	4.0	183
112	Increased Wind Erosion from Forest Wildfire: Implications for Contaminantâ€Related Risks. Journal of Environmental Quality, 2006, 35, 468-478.	2.0	65
113	From dust to dose: Effects of forest disturbance on increased inhalation exposure. Science of the Total Environment, 2006, 368, 519-530.	8.0	33
114	An Ecologist's Perspective of Ecohydrology. Bulletin of the Ecological Society of America, 2005, 86, 296-300.	0.2	12
115	Spatial Variability in Rainfall Erosivity versus Rainfall Depth: Implications for Sediment Yield. Vadose Zone Journal, 2005, 4, 500-504.	2.2	12
116	Spectral sensing of foliar water conditions in two co-occurring conifer species: Pinus edulis and Juniperus monosperma. Remote Sensing of Environment, 2005, 96, 108-118.	11.0	166
117	Assessing Contaminant Transport Vulnerability in Complex Topography Using a Distributed Hydrologic Model. Vadose Zone Journal, 2005, 4, 811-818.	2.2	3
118	Ecohydrology Monitoring and Excavation of Semiarid Landfill Covers a Decade after Installation. Vadose Zone Journal, 2005, 4, 798-810.	2.2	19
119	Regional vegetation die-off in response to global-change-type drought. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15144-15148.	7.1	1,779
120	Drought stress and fluctuating asymmetry in Quercus undulata leaves: confounding effects of absolute and relative amounts of stress?. Journal of Arid Environments, 2005, 62, 235-249.	2.4	35
121	Implementing a U.S. National Phenology Network. Eos, 2005, 86, 539.	0.1	51
122	ECOHYDROLOGICAL IMPLICATIONS OF WOODY PLANT ENCROACHMENT. Ecology, 2005, 86, 308-319.	3.2	582
123	VEGETATION PATCHES AND RUNOFFâ€"EROSION AS INTERACTING ECOHYDROLOGICAL PROCESSES IN SEMIARID LANDSCAPES. Ecology, 2005, 86, 288-297.	3.2	678
124	A multi-scale perspective of water pulses in dryland ecosystems: climatology and ecohydrology of the western USA. Oecologia, 2004, 141, 269-281.	2.0	459
125	2004 DISTINGUISHED SCIENTIFIC ACHIEVEMENT AWARD. Health Physics, 2004, 87, 568-570.	0.5	0
126	Carbon Cycling in Soil. Frontiers in Ecology and the Environment, 2004, 2, 522.	4.0	4

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127	Wind and water erosion and transport in semi-arid shrubland, grassland and forest ecosystems: quantifying dominance of horizontal wind-driven transport. Earth Surface Processes and Landforms, 2003, 28, 1189-1209.	2.5	190
128	Conundrums in mixed woody-herbaceous plant systems. Journal of Biogeography, 2003, 30, 1763-1777.	3.0	308
129	ECOHYDROLOGY OF A RESOURCE-CONSERVING SEMIARID WOODLAND: EFFECTS OF SCALE AND DISTURBANCE. Ecological Monographs, 2003, 73, 223-239.	5.4	296
130	Hydraulic Conductivity in a PiÃ±on-Juniper Woodland. Soil Science Society of America Journal, 2003, 67, 1243-1249.	2.2	83
131	Extending the Applicability of Laserâ€Induced Breakdown Spectroscopy for Total Soil Carbon Measurement. Soil Science Society of America Journal, 2003, 67, 1616-1619.	2.2	80
132	Pulsed redistribution of a contaminant following forest fire: cesium-137 in runoff. Journal of Environmental Quality, 2003, 32, 2150-7.	2.0	26
133	Temporal and Spatial Variation of Episodic Wind Erosion in Unburned and Burned Semiarid Shrubland. Journal of Environmental Quality, 2002, 31, 599.	2.0	58
134	Temporal and Spatial Variation of Episodic Wind Erosion in Unburned and Burned Semiarid Shrubland. Journal of Environmental Quality, 2002, 31, 599-612.	2.0	55
135	The importance of rapid, disturbance-induced losses in carbon management and sequestration. Global Ecology and Biogeography, 2002, 11, 1-5.	5.8	114
136	Measuring Total Soil Carbon with Laserâ€Induced Breakdown Spectroscopy (LIBS). Journal of Environmental Quality, 2001, 30, 2202-2206.	2.0	123
137	Simulating overland flow following wildfire: mapping vulnerability to landscape disturbance. Hydrological Processes, 2001, 15, 2917-2930.	2.6	60
138	Post-fire runoff and erosion from rainfall simulation: contrasting forests with shrublands and grasslands. Hydrological Processes, 2001, 15, 2953-2965.	2.6	227
139	Spatial distributions of understory light along the grassland/forest continuum: effects of cover, height, and spatial pattern of tree canopies. Ecological Modelling, 2000, 126, 79-93.	2.5	159
140	Title is missing!. Landscape Ecology, 1999, 14, 465-478.	4.2	194
141	Runoff and Erosion in a PiÃ±onâ€“Juniper Woodland Influence of Vegetation Patches. Soil Science Society of America Journal, 1999, 63, 1869-1879.	2.2	197
142	Viewpoint: Sustainability of Pinon-Juniper Ecosystems: A Unifying Perspective of Soil Erosion Thresholds. Journal of Range Management, 1998, 51, 231.	0.3	195
143	Effects of Woody Plants on Microclimate in a Semiarid Woodland: Soil Temperature and Evaporation in Canopy and Intercanopy Patches. International Journal of Plant Sciences, 1998, 159, 1010-1017.	1.3	295
144	Drought-induced shift of a forest-woodland ecotone: Rapid landscape response to climate variation. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 14839-14842.	7.1	885

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145	OVERSTORY-IMPOSED HETEROGENEITY IN SOLAR RADIATION AND SOIL MOISTURE IN A SEMIARID WOODLAND. , 1997, 7, 1201-1215.		196
146	Interflow in semiarid environments: An overlooked process in risk assessment. Human and Ecological Risk Assessment (HERA), 1997, 3, 187-203.	3.4	8
147	Differential Use of Spatially Heterogeneous Soil Moisture by Two Semiarid Woody Species: Pinus Edulis and Juniperus Monosperma. Journal of Ecology, 1997, 85, 289.	4.0	104
148	Scales of aboveground and below-ground competition in a semi-arid woodland detected from spatial pattern. Journal of Vegetation Science, 1997, 8, 655-664.	2.2	86
149	Soil Morphology of Canopy and Intercanopy Sites in a PiÃ±onâ€Juniper Woodland. Soil Science Society of America Journal, 1996, 60, 1881-1887.	2.2	45
150	Response of North American ecosystem models to multi-annual periodicities in temperature and precipitation. Landscape Ecology, 1994, 9, 249-260.	4.2	5
151	Contaminant Transport through Agroecosystems: Assessing Relative Importance of Environmental, Physiological, and Management Factors. , 1992, 2, 285-297.		25
152	Uncertainty in Predictions of Fallout Radionuclides in Foods and of Subsequent Ingestion. Health Physics, 1989, 57, 943-953.	0.5	16
153	Genetic variability in white-tailed deer. Heredity, 1988, 60, 139-146.	2.6	26
154	Controlled Experiments of Hillslope Coevolution at the Biosphere 2 Landscape Evolution Observatory: Toward Prediction of Coupled Hydrological, Biogeochemical, and Ecological Change. , 0, , .		9
155	Dead again: Predictions of repeat tree die-off under hotter droughts confirm mortality thresholds for a dryland conifer species. Environmental Research Letters, 0, , .	5.2	3