David D Breshears

List of Publications by Year
in descending order

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	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
2	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
3	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
4	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
5	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
6	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
7	The interdependence of mechanisms underlying climate-driven vegetation mortality. Trends in Ecology and Evolution, 2011, 26, 523-532.	8.7	839
8	A multi-species synthesis of physiological mechanisms in drought-induced tree mortality. Nature Ecology and Evolution, 2017, 1, 1285-1291.	7.8	739
9	VEGETATION PATCHES AND RUNOFFâ€"EROSION AS INTERACTING ECOHYDROLOGICAL PROCESSES IN SEMIARID LANDSCAPES. Ecology, 2005, 86, 288-297.	3.2	678
10	ECOHYDROLOGICAL IMPLICATIONS OF WOODY PLANT ENCROACHMENT. Ecology, 2005, 86, 308-319.	3.2	582
11	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
12	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
13	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
14	Ecohydrology of water-limited environments: A scientific vision. Water Resources Research, 2006, 42, .	4.2	397
15	Research frontiers for improving our understanding of droughtâ€induced tree and forest mortality. New Phytologist, 2018, 218, 15-28.	7.3	334
16	Conundrums in mixed woody-herbaceous plant systems. Journal of Biogeography, 2003, 30, 1763-1777.	3.0	308
17	Land degradation in drylands: Interactions among hydrologicâ€"aeolian erosion and vegetation dynamics. Geomorphology, 2010, 116, 236-245.	2.6	306
18	ECOHYDROLOGY OF A RESOURCE-CONSERVING SEMIARID WOODLAND: EFFECTS OF SCALE AND DISTURBANCE. Ecological Monographs, 2003, 73, 223-239.	5.4	296

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19	Multi-scale predictions of massive conifer mortality due to chronic temperature rise. Nature Climate Change, 2016, 6, 295-300.	18.8	296
20	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
21	The ecology of dust. Frontiers in Ecology and the Environment, 2010, 8, 423-430.	4.0	248
22	AEOLIAN PROCESSES AND THE BIOSPHERE. Reviews of Geophysics, 2011, 49, .	23.0	230
23	Post-fire runoff and erosion from rainfall simulation: contrasting forests with shrublands and grasslands. Hydrological Processes, 2001, 15, 2953-2965.	2.6	227
24	Nonstructural leaf carbohydrate dynamics of <i><scp>P</scp>inus edulis</i> during droughtâ€•induced tree mortality reveal role for carbon metabolism in mortality mechanism. New Phytologist, 2013, 197, 1142-1151.	7.3	221
25	Ecohydrological consequences of droughtâ€•and infestationâ€•triggered tree dieâ€•off: insights and hypotheses. Ecohydrology, 2012, 5, 145-159.	2.4	211
26	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
27	OVERSTORY-IMPOSED HETEROGENEITY IN SOLAR RADIATION AND SOIL MOISTURE IN A SEMIARID WOODLAND. , 1997, 7, 1201-1215.		196
28	Viewpoint: Sustainability of Pinon-Juniper Ecosystems: A Unifying Perspective of Soil Erosion Thresholds. Journal of Range Management, 1998, 51, 231.	0.3	195
29	Title is missing!. Landscape Ecology, 1999, 14, 465-478.	4.2	194
30	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
31	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
32	Partitioning evapotranspiration across gradients of woody plant cover: Assessment of a stable isotope technique. Geophysical Research Letters, 2010, 37, .	4.0	179
33	Global field observations of tree die-off reveal hotter-drought fingerprint for Earthâ€™s forests. Nature Communications, 2022, 13, 1761.	12.8	171
34	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
35	FOLIAR ABSORPTION OF INTERCEPTED RAINFALL IMPROVES WOODY PLANT WATER STATUS MOST DURING DROUGHT. Ecology, 2008, 89, 41-47.	3.2	165
36	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

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37	Mechanisms of woody-plant mortality under rising drought, CO2 and vapour pressure deficit. Nature Reviews Earth & Environment, 2022, 3, 294-308.	29.7	163
38	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
39	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
40	Climateâ€Induced Tree Mortality: Earth System Consequences. Eos, 2010, 91, 153-154.	0.1	136
41	Measuring Total Soil Carbon with Laserâ€Induced Breakdown Spectroscopy (LIBS). Journal of Environmental Quality, 2001, 30, 2202-2206.	2.0	123
42	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
43	The importance of rapid, disturbance-induced losses in carbon management and sequestration. Global Ecology and Biogeography, 2002, 11, 1-5.	5.8	114
44	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
45	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
46	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
47	Subcontinental heat wave triggers terrestrial and marine, multi-taxa responses. Scientific Reports, 2018, 8, 13094.	3.3	101
48	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
49	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
50	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
51	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
52	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
53	Underappreciated plant vulnerabilities to heat waves. New Phytologist, 2021, 231, 32-39.	7.3	91
54	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

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55	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
56	Hydraulic Conductivity in a PiÃ±on-Juniper Woodland. Soil Science Society of America Journal, 2003, 67, 1243-1249.	2.2	83
57	PHENOLOGY OF MIXED WOODYâ€"HERBACEOUS ECOSYSTEMS FOLLOWING EXTREME EVENTS: NET AND DIFFERENTIAL RESPONSES. Ecology, 2008, 89, 342-352.	3.2	80
58	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
59	Precipitation thresholds and droughtâ€induced tree dieâ€off: insights from patterns of <i><scp>P</scp>inus edulis</i> mortality along an environmental stress gradient. New Phytologist, 2013, 200, 413-421.	7.3	78
60	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
61	Vegetation Responses to Extreme Hydrological Events: Sequence Matters. American Naturalist, 2009, 173, 113-118.	2.1	73
62	Mechanisms of a coniferous woodland persistence under drought and heat. Environmental Research Letters, 2019, 14, 045014.	5.2	72
63	When Ecosystem Services Crash: Preparing for Big, Fast, Patchy Climate Change. Ambio, 2011, 40, 256-263.	5.5	70
64	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
65	Temperature response surfaces for mortality risk of tree species with future drought. Environmental Research Letters, 2017, 12, 115014.	5.2	67
66	Increased Wind Erosion from Forest Wildfire: Implications for Contaminantâ€Related Risks. Journal of Environmental Quality, 2006, 35, 468-478.	2.0	65
67	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
68	How deregulation, drought and increasing fire impact Amazonian biodiversity. Nature, 2021, 597, 516-521.	27.8	65
69	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
70	Simulating overland flow following wildfire: mapping vulnerability to landscape disturbance. Hydrological Processes, 2001, 15, 2917-2930.	2.6	60
71	Critical Zone Services: Expanding Context, Constraints, and Currency beyond Ecosystem Services. Vadose Zone Journal, 2015, 14, vzj2014.10.0142.	2.2	60
72	Temporal and Spatial Variation of Episodic Wind Erosion in Unburned and Burned Semiarid Shrubland. Journal of Environmental Quality, 2002, 31, 599.	2.0	58

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73	Chronic historical drought legacy exacerbates tree mortality and crown dieback during acute heatwave-compounded drought. Environmental Research Letters, 2018, 13, 095002.	5.2	58
74	Ecosystem dynamics and management after forest dieâ€off: a global synthesis with conceptual stateâ€andâ€transition models. Ecosphere, 2017, 8, e02034.	2.2	56
75	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
76	Seasonally Pulsed Heterogeneity in Microclimate: Phenology and Cover Effects along Deciduous Grasslandâ€"Forest Continuum. Vadose Zone Journal, 2010, 9, 537-547.	2.2	53
77	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
78	Sediment capture by vegetation patches: Implications for desertification and increased resource redistribution. Journal of Geophysical Research, 2012, 117, .	3.3	52
79	Implementing a U.S. National Phenology Network. Eos, 2005, 86, 539.	0.1	51
80	Beyond greenness: Detecting temporal changes in photosynthetic capacity with hyperspectral reflectance data. PLoS ONE, 2017, 12, e0189539.	2.5	51
81	Evapotranspiration Partitioning in a Semiarid Woodland: Ecohydrologic Heterogeneity and Connectivity of Vegetation Patches. Vadose Zone Journal, 2010, 9, 561-572.	2.2	49
82	The Landscape Evolution Observatory: A large-scale controllable infrastructure to study coupled Earth-surface processes. Geomorphology, 2015, 244, 190-203.	2.6	47
83	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
84	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
85	Soil water dynamics under lowâ€versus highâ€ponderosa pine tree density: ecohydrological functioning and restoration implications. Ecohydrology, 2008, 1, 309-315.	2.4	39
86	Synergistic Ecoclimate Teleconnections from Forest Loss in Different Regions Structure Global Ecological Responses. PLoS ONE, 2016, 11, e0165042.	2.5	39
87	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
88	Sunlight and Soilâ€"Litter Mixing: Drivers of Litter Decomposition in Drylands. Progress in Botany Fortschritte Der Botanik, 2015, , 273-302.	0.3	39
89	Spatial extent of the North American Monsoon: Increased crossâ€regional linkages via atmospheric pathways. Geophysical Research Letters, 2009, 36, .	4.0	37
90	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

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91	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
92	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
93	From dust to dose: Effects of forest disturbance on increased inhalation exposure. Science of the Total Environment, 2006, 368, 519-530.	8.0	33
94	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
95	Interactive effects of grazing and burning on wind- and water-driven sediment fluxes: rangeland management implications. , 2011, 21, 22-32.		33
96	Rangeland Responses to Predicted Increases in Drought Extremity. Rangelands, 2016, 38, 191-196.	1.9	31
97	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
98	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
99	Rainfall intensity switches ecohydrological runoff/runon redistribution patterns in dryland vegetation patches. Ecological Applications, 2015, 25, 2094-2100.	3.8	30
100	The Hills Are Alive: Earth Science in a Controlled Environment. Eos, 2009, 90, 120-120.	0.1	29
101	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
102	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
103	Genetic variability in white-tailed deer. Heredity, 1988, 60, 139-146.	2.6	26
104	Climate-induced forest dieback as an emergent global phenomenon. Eos, 2007, 88, 504-504.	0.1	26
105	Pulsed redistribution of a contaminant following forest fire: cesium-137 in runoff. Journal of Environmental Quality, 2003, 32, 2150-7.	2.0	26
106	Contaminant Transport through Agroecosystems: Assessing Relative Importance of Environmental, Physiological, and Management Factors. , 1992, 2, 285-297.		25
107	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
108	Reframing tropical savannization: linking changes in canopy structure to energy balance alterations that impact climate. Ecosphere, 2020, 11, e03231.	2.2	24

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109	Evolving plans for the USA National Phenology Network. Eos, 2007, 88, 211-211.	0.1	23
110	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
111	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
112	Employing lidar to detail vegetation canopy architecture for prediction of aeolian transport. Geophysical Research Letters, 2013, 40, 1724-1728.	4.0	23
113	The growing challenge of vegetation change. Science, 2021, 372, 786-787.	12.6	23
114	Biological invasions and climate change amplify each otherâ€™s effects on dryland degradation. Global Change Biology, 2022, 28, 285-295.	9.5	23
115	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
116	Climateâ€driven, but dynamic and complex? A reconciliation of competing hypotheses for speciesâ€™ distributions. Ecology Letters, 2022, 25, 38-51.	6.4	20
117	Ecohydrology Monitoring and Excavation of Semiarid Landfill Covers a Decade after Installation. Vadose Zone Journal, 2005, 4, 798-810.	2.2	19
118	Macrosystems as metacoupled human and natural systems. Frontiers in Ecology and the Environment, 2021, 19, 20-29.	4.0	19
119	Ecohydrology: Processes and Implications for Rangelands. Springer Series on Environmental Management, 2017, , 85-129.	0.3	17
120	Uncertainty in Predictions of Fallout Radionuclides in Foods and of Subsequent Ingestion. Health Physics, 1989, 57, 943-953.	0.5	16
121	Forest Management Under Megadrought: Urgent Needs at Finer Scale and Higher Intensity. Frontiers in Forests and Global Change, 2020, 3, .	2.3	16
122	Climate Change Effects on North American Fish and Fisheries to Inform Adaptation Strategies. Fisheries, 2021, 46, 449-464.	0.8	16
123	Improved dryland carbon flux predictions with explicit consideration of water-carbon coupling. Communications Earth & Environment, 2021, 2, .	6.8	16
124	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
125	Progress on relationships between horizontal and vertical dust flux: Mathematical, empirical and risk-based perspectives. Aeolian Research, 2014, 14, 105-111.	2.7	13
126	CO₂diffusion into pore spaces limits weathering rate of an experimental basalt landscape. Geology, 2017, 45, 203-206.	4.4	13

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127	Drought supersedes warming in determining volatile and tissue defenses of piÃ±on pine (Pinus edulis). Environmental Research Letters, 2019, 14, 065006.	5.2	13
128	An Ecologist's Perspective of Ecohydrology. Bulletin of the Ecological Society of America, 2005, 86, 296-300.	0.2	12
129	Spatial Variability in Rainfall Erosivity versus Rainfall Depth: Implications for Sediment Yield. Vadose Zone Journal, 2005, 4, 500-504.	2.2	12
130	Ecohydrologic connections and complexities in drylands: new perspectives for understanding transformative landscape change. Ecohydrology, 2012, 5, 143-144.	2.4	11
131	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
132	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
133	Implicit assumptions of conceptual diagrams in environmental science and best practices for their illustration. Ecosphere, 2018, 9, e02072.	2.2	9
134	Controlled Experiments of Hillslope Coevolution at the Biosphere 2 Landscape Evolution Observatory: Toward Prediction of Coupled Hydrological, Biogeochemical, and Ecological Change. , 0, , .		9
135	Interflow in semiarid environments: An overlooked process in risk assessment. Human and Ecological Risk Assessment (HERA), 1997, 3, 187-203.	3.4	8
136	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
137	Candidate halophytic grasses for addressing land degradation: Shoot responses of<i>Sporobolus airoides</i>and<i>Paspalum vaginatum</i>to weekly increasing NaCl concentration. Arid Land Research and Management, 2017, 31, 169-181.	1.6	8
138	Leveraging modern climatology to increase adaptive capacity across protected area networks. Global Environmental Change, 2012, 22, 268-274.	7.8	7
139	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
140	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
141	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
142	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
143	Response of North American ecosystem models to multi-annual periodicities in temperature and precipitation. Landscape Ecology, 1994, 9, 249-260.	4.2	5
144	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

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145	Prototype campaign assessment of disturbanceâ€induced tree loss effects on surface properties for atmospheric modeling. Ecosphere, 2017, 8, e01698.	2.2	5
146	Targeting Extreme Events: Complementing Near-Term Ecological Forecasting With Rapid Experiments and Regional Surveys. Frontiers in Environmental Science, 2019, 7, .	3.3	5
147	Radionuclide resuspension across ecosystems and environmental disturbances. Journal of Environmental Radioactivity, 2021, 233, 106586.	1.7	5
148	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
149	Carbon Cycling in Soil. Frontiers in Ecology and the Environment, 2004, 2, 522.	4.0	4
150	Assessing Contaminant Transport Vulnerability in Complex Topography Using a Distributed Hydrologic Model. Vadose Zone Journal, 2005, 4, 811-818.	2.2	3
151	Professional certification: increasing ecologists' effectiveness. Frontiers in Ecology and the Environment, 2007, 5, 399-399.	4.0	3
152	Evaluation of vegetation indices and imaging spectroscopy to estimate foliar nitrogen across disparate biomes. Ecosphere, 2022, 13, .	2.2	3
153	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
154	Ecohydrology Bearings: Invited Commentary to challenge paradigms, question assumptions, prioritize needs and enhance interdisciplinary dialogue. Ecohydrology, 2009, 2, 381-382.	2.4	1
155	2004 DISTINGUISHED SCIENTIFIC ACHIEVEMENT AWARD. Health Physics, 2004, 87, 568-570.	0.5	0