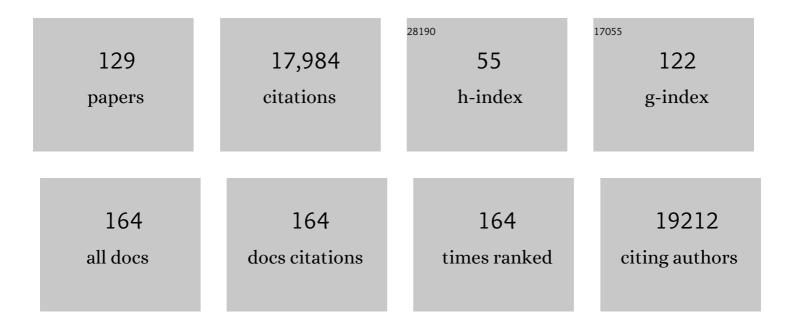
Jeffrey Dukes

List of Publications by Year in descending order

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IFFEDEV DURES

#	Article	IF	CITATIONS
1	Increasing the spatial and temporal impact of ecological research: A roadmap for integrating a novel terrestrial process into an Earth system model. Global Change Biology, 2022, 28, 665-684.	4.2	27
2	Field experiments underestimate aboveground biomass response to drought. Nature Ecology and Evolution, 2022, 6, 540-545.	3.4	30
3	Peace and the environment at the crossroads: Elections in a conflict-troubled biodiversity hotspot. Environmental Science and Policy, 2022, 135, 77-85.	2.4	5
4	Global environmental changes more frequently offset than intensify detrimental effects of biological invasions. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	25
5	Demographic analysis of invasible habitat fraction identifies contextâ€dependent roles of resource availability and biotic resistance in determining invasion success. Journal of Ecology, 2021, 109, 714-726.	1.9	4
6	Understanding the combined impacts of weeds and climate change on crops. Environmental Research Letters, 2021, 16, 034043.	2.2	22
7	Undermining Colombia's peace and environment. Science, 2021, 373, 289-290.	6.0	4
8	Railways redistribute plant species in mountain landscapes. Journal of Applied Ecology, 2021, 58, 1967-1980.	1.9	27
9	Impacts of Invasive Species on Forest and Grassland Ecosystem Processes in the United States. , 2021, , 41-55.		3
10	Increased rainfall variability and nitrogen deposition accelerate succession along a common sere. Ecosphere, 2021, 12, e03313.	1.0	0
11	Effects of Climate Change on Invasive Species. , 2021, , 57-83.		36
12	Seasonality of Tropical Photosynthesis: A Pantropical Map of Correlations With Precipitation and Radiation and Comparison to Model Outputs. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006123.	1.3	6
13	Introduction to the Indiana Climate Change Impacts Assessment: overview of the process and context. Climatic Change, 2020, 163, 1869-1879.	1.7	3
14	No acclimation: instantaneous responses to temperature maintain homeostatic photosynthetic rates under experimental warming across a precipitation gradient in Ulmus americana. AoB PLANTS, 2020, 12,	1.2	6
15	Nighttime warming enhances ecosystem carbonâ€use efficiency in a temperate steppe. Functional Ecology, 2020, 34, 1721-1730.	1.7	16
16	Adjusting the lens of invasion biology to focus on the impacts of climate-driven range shifts. Nature Climate Change, 2020, 10, 398-405.	8.1	116
17	Agricultural impacts of climate change in Indiana and potential adaptations. Climatic Change, 2020, 163, 2005-2027.	1.7	21
18	Reviews and syntheses: Soil responses to manipulated precipitation changes – an assessment of meta-analyses. Biogeosciences, 2020, 17, 3859-3873.	1.3	24

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19	A meta-analysis of 1,119 manipulative experiments on terrestrial carbon-cycling responses to global change. Nature Ecology and Evolution, 2019, 3, 1309-1320.	3.4	304
20	Longâ€ŧerm propagule pressure overwhelms initial community determination of invader success. Ecosphere, 2019, 10, e02826.	1.0	10
21	Short-term thermal acclimation of dark respiration is greater in non-photosynthetic than in photosynthetic tissues. AoB PLANTS, 2019, 11, plz064.	1.2	15
22	How do climate change experiments alter plotâ€scale climate?. Ecology Letters, 2019, 22, 748-763.	3.0	39
23	Combined impacts of prolonged drought and warming on plant size and foliar chemistry. Annals of Botany, 2019, 124, 41-52.	1.4	34
24	Understory plant composition and nitrogen transformations resistant to changes in seasonal precipitation. Ecosphere, 2019, 10, e02747.	1.0	5
25	Microbial dormancy improves predictability of soil respiration at the seasonal time scale. Biogeochemistry, 2019, 144, 103-116.	1.7	16
26	Globally consistent influences of seasonal precipitation limit grassland biomass response to elevated CO2. Nature Plants, 2019, 5, 167-173.	4.7	51
27	Community Response to Extreme Drought (<scp>CRED</scp>): a framework for droughtâ€induced shifts in plant–plant interactions. New Phytologist, 2019, 222, 52-69.	3.5	74
28	Predicting soil carbon loss with warming. Nature, 2018, 554, E4-E5.	13.7	122
29	Warming increases the sensitivity of seedling growth capacity to rainfall in six temperate deciduous tree species. AoB PLANTS, 2018, 10, ply003.	1.2	21
30	Soil bacterial community responses to altered precipitation and temperature regimes in an old field grassland are mediated by plants. FEMS Microbiology Ecology, 2018, 94, .	1.3	54
31	Drivers of leaf carbon exchange capacity across biomes at the continental scale. Ecology, 2018, 99, 1610-1620.	1.5	29
32	Microbial dormancy promotes microbial biomass and respiration across pulses of drying-wetting stress. Soil Biology and Biochemistry, 2018, 116, 237-244.	4.2	41
33	Call for new AAAS harassment policy. Science, 2018, 361, 984-984.	6.0	Ο
34	Triose phosphate limitation in photosynthesis models reduces leaf photosynthesis and global terrestrial carbon storage. Environmental Research Letters, 2018, 13, 074025.	2.2	56
35	The ecology of peace: preparing Colombia for new political and planetary climates. Frontiers in Ecology and the Environment, 2018, 16, 525-531.	1.9	41
36	Shrubland primary production and soil respiration diverge along European climate gradient. Scientific Reports, 2017, 7, 43952.	1.6	23

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37	Biophysical consequences of photosynthetic temperature acclimation for climate. Journal of Advances in Modeling Earth Systems, 2017, 9, 536-547.	1.3	24
38	A roadmap for improving the representation of photosynthesis in Earth system models. New Phytologist, 2017, 213, 22-42.	3.5	365
39	Shortâ€ŧerm acclimation to warmer temperatures accelerates leaf carbon exchange processes across plant types. Global Change Biology, 2017, 23, 4840-4853.	4.2	91
40	Rainfall variability counteracts N addition by promoting invasive Lonicera maackii and extending phenology in prairie. Ecological Applications, 2017, 27, 1555-1563.	1.8	15
41	LCE: leaf carbon exchange data set for tropical, temperate, and boreal species of North and Central America. Ecology, 2017, 98, 2978-2978.	1.5	15
42	Pushing precipitation to the extremes in distributed experiments: recommendations for simulating wet and dry years. Global Change Biology, 2017, 23, 1774-1782.	4.2	132
43	Climate Influences the Content and Chemical Composition of Foliar Tannins in Green and Senesced Tissues of Quercus rubra. Frontiers in Plant Science, 2017, 8, 423.	1.7	50
44	Changes in the Size of the Active Microbial Pool Explain Short-Term Soil Respiratory Responses to Temperature and Moisture. Frontiers in Microbiology, 2016, 7, 524.	1.5	29
45	Do maize models capture the impacts of heat and drought stresses on yield? Using algorithm ensembles to identify successful approaches. Global Change Biology, 2016, 22, 3112-3126.	4.2	63
46	Terrestrial Precipitation Analysis (<scp>TPA</scp>): A resource for characterizing longâ€ŧerm precipitation regimes and extremes. Methods in Ecology and Evolution, 2016, 7, 1396-1401.	2.2	23
47	Engagement 2.0: increasing our collective impact. Frontiers in Ecology and the Environment, 2016, 14, 403-403.	1.9	5
48	Shifting Impacts of Climate Change. Advances in Ecological Research, 2016, 55, 437-473.	1.4	36
49	Global patterns and substrateâ€based mechanisms of theÂterrestrial nitrogen cycle. Ecology Letters, 2016, 19, 697-709.	3.0	192
50	Rising atmospheric CO ₂ is reducing the protein concentration of a floral pollen source essential for North American bees. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160414.	1.2	69
51	Responses of aboveground C and N pools to rainfall variability and nitrogen deposition are mediated by seasonal precipitation and plant community dynamics. Biogeochemistry, 2016, 129, 389-400.	1.7	10
52	Temporal variability in the thermal requirements for vegetation phenology on the Tibetan plateau and its implications for carbon dynamics. Climatic Change, 2016, 138, 617-632.	1.7	10
53	Characterizing the drivers of seedling leaf gas exchange responses to warming and altered precipitation: indirect and direct effects. AoB PLANTS, 2016, 8, .	1.2	7
54	Temperature response of soil respiration largely unaltered with experimental warming. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13797-13802.	3.3	308

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55	Global threats from invasive alien species in the twenty-first century and national response capacities. Nature Communications, 2016, 7, 12485.	5.8	808
56	Rainfall variability and nitrogen addition synergistically reduce plant diversity in a restored tallgrass prairie. Journal of Applied Ecology, 2016, 53, 579-586.	1.9	42
57	Foliar temperature acclimation reduces simulated carbon sensitivity to climate. Nature Climate Change, 2016, 6, 407-411.	8.1	114
58	Relationships among land use, soil texture, species richness, and soil carbon in Midwestern tallgrass prairie, CRP and crop lands. Agriculture, Ecosystems and Environment, 2016, 216, 237-246.	2.5	23
59	Warming and drought differentially influence the production and resorption of elemental and metabolic nitrogen pools in <i><scp>Q</scp>uercus rubra</i> . Global Change Biology, 2015, 21, 4177-4195.	4.2	59
60	Temperature acclimation of photosynthesis and respiration: A key uncertainty in the carbon cycle limate feedback. Geophysical Research Letters, 2015, 42, 8624-8631.	1.5	160
61	A unified approach for quantifying invasibility and degree of invasion. Ecology, 2015, 96, 2613-2621.	1.5	82
62	Nitrification kinetics and ammoniaâ€oxidizing community respond to warming and altered precipitation. Ecosphere, 2015, 6, 1-17.	1.0	19
63	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. New Phytologist, 2015, 206, 614-636.	3.5	350
64	What have we learned from global change manipulative experiments in China? A meta-analysis. Scientific Reports, 2015, 5, 12344.	1.6	35
65	Experiments to confront the environmental extremes of climate change. Frontiers in Ecology and the Environment, 2015, 13, 219-225.	1.9	79
66	Increased sensitivity to climate change in disturbed ecosystems. Nature Communications, 2015, 6, 6682.	5.8	111
67	Can current moisture responses predict soil CO ₂ efflux under altered precipitation regimes? A synthesis of manipulation experiments. Biogeosciences, 2014, 11, 2991-3013.	1.3	74
68	Corrigendum to "Can current moisture responses predict soil CO ₂ efflux under altered precipitation regimes? A synthesis of manipulation experiments". Biogeosciences, 2014, 11, 3307-3308.	1.3	10
69	Climate–biosphere interactions in a more extreme world. New Phytologist, 2014, 202, 356-359.	3.5	51
70	Nonâ€additive effects of invasive tree litter shift seasonal N release: a potential invasion feedback. Oikos, 2014, 123, 1101-1111.	1.2	22
71	Agricultural Weed Research: A Critique and Two Proposals. Weed Science, 2014, 62, 672-678.	0.8	30
72	Tree leaf out response to temperature: comparing field observations, remote sensing, and a warming experiment. International Journal of Biometeorology, 2014, 58, 1251-1257.	1.3	17

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73	Warming alters potential enzyme activity but precipitation regulates chemical transformations in grass litter exposed to simulated climatic changes. Soil Biology and Biochemistry, 2014, 75, 102-112.	4.2	44
74	Integrated assessment of biological invasions. Ecological Applications, 2014, 24, 25-37.	1.8	46
75	Distribution of Terrestrial Ecosystems and Changes in Plant Community Composition. , 2014, , 341-347.		1
76	Relationships between urban tree communities and the biomes in which they reside. Applied Vegetation Science, 2013, 16, 8-20.	0.9	31
77	The added complications of climate change: understanding and managing biodiversity and ecosystems. Frontiers in Ecology and the Environment, 2013, 11, 494-501.	1.9	114
78	Coordinated distributed experiments: an emerging tool for testing global hypotheses in ecology and environmental science. Frontiers in Ecology and the Environment, 2013, 11, 147-155.	1.9	237
79	Plant respiration and photosynthesis in globalâ€scale models: incorporating acclimation to temperature and <scp><scp>CO</scp>₂. Global Change Biology, 2013, 19, 45-63.</scp>	4.2	401
80	Poised to prosper? A crossâ€system comparison of climate change effects on native and nonâ€native species performance. Ecology Letters, 2013, 16, 261-270.	3.0	256
81	Warming and drought reduce temperature sensitivity of nitrogen transformations. Global Change Biology, 2013, 19, 662-676.	4.2	70
82	The responses of soil and rhizosphere respiration to simulated climatic changes vary by season. Ecology, 2013, 94, 403-413.	1.5	85
83	Labile compounds in plant litter reduce the sensitivity of decomposition to warming and altered precipitation. New Phytologist, 2013, 200, 122-133.	3.5	68
84	Microbial responses to multi-factor climate change: effects on soil enzymes. Frontiers in Microbiology, 2013, 4, 146.	1.5	164
85	Leaf-Level Gas Exchange and Foliar Chemistry of Common Old-Field Species Responding to Warming and Precipitation Treatments. International Journal of Plant Sciences, 2012, 173, 957-970.	0.6	14
86	Will extreme climatic events facilitate biological invasions?. Frontiers in Ecology and the Environment, 2012, 10, 249-257.	1.9	402
87	Urgent need for a common metric to make precipitation manipulation experiments comparable. New Phytologist, 2012, 195, 518-522.	3.5	97
88	Global change, global trade, and the next wave of plant invasions. Frontiers in Ecology and the Environment, 2012, 10, 20-28.	1.9	195
89	Effects of soil moisture on the temperature sensitivity of heterotrophic respiration vary seasonally in an oldâ€field climate change experiment. Global Change Biology, 2012, 18, 336-348.	4.2	367
90	Interactive responses of oldâ€field plant growth and composition to warming and precipitation. Global Change Biology, 2012, 18, 1754-1768.	4.2	157

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91	The effect of experimental warming and precipitation change on proteolytic enzyme activity: positive feedbacks to nitrogen availability are not universal. Global Change Biology, 2012, 18, 2617-2625.	4.2	80
92	Simple additive effects are rare: a quantitative review of plant biomass and soil process responses to combined manipulations of <scp><scp>CO₂</scp><dscp> and temperature. Global Change Biology, 2012, 18, 2681-2693.</dscp></scp>	4.2	365
93	Modeling the effects of temperature and moisture on soil enzyme activity: Linking laboratory assays to continuous field data. Soil Biology and Biochemistry, 2012, 55, 85-92.	4.2	219
94	Increasing Forest Carbon Sequestration through Cooperation and Shared Strategies between China and the United States. Environmental Science & amp; Technology, 2011, 45, 2033-2034.	4.6	15
95	No Accession-Specific Effect of Rhizosphere Soil Communities on the Growth and Competition of Arabidopsis thaliana Accessions. PLoS ONE, 2011, 6, e27585.	1.1	7
96	Coordinated approaches to quantify longâ€ŧerm ecosystem dynamics in response to global change. Global Change Biology, 2011, 17, 843-854.	4.2	165
97	Changes in the structural composition and reactivity of <i>Acer rubrum</i> leaf litter tannins exposed to warming and altered precipitation: climatic stressâ€induced tannins are more reactive. New Phytologist, 2011, 191, 132-145.	3.5	92
98	Strong response of an invasive plant species (<i>Centaurea solstitialis</i> L.) to global environmental changes. , 2011, 21, 1887-1894.		85
99	Impacts of the invasive plant Fallopia japonica (Houtt.) on plant communities and ecosystem processes. Biological Invasions, 2010, 12, 1243-1252.	1.2	140
100	Functional composition controls invasion success in a California serpentine grassland. Journal of Ecology, 2010, 98, 764-777.	1.9	125
101	Effects of warming and altered precipitation on plant and nutrient dynamics of a New England salt marsh. Ecological Applications, 2009, 19, 1758-1773.	1.8	123
102	Responses of insect pests, pathogens, and invasive plant species to climate change in the forests of northeastern North America: What can we predict?This article is one of a selection of papers from NE Forests 2100: A Synthesis of Climate Change Impacts on Forests of the Northeastern US and Eastern Canada Canadian Journal of Forest Research, 2009, 39, 231-248.	0.8	393
103	Impacts of Invasive Species on Ecosystem Services. , 2008, , 217-237.		154
104	Responses of a California annual grassland to litter manipulation. Journal of Vegetation Science, 2008, 19, 605-612.	1.1	57
105	Five Potential Consequences of Climate Change for Invasive Species. Conservation Biology, 2008, 22, 534-543.	2.4	997
106	Integrated Monitoring and Information Systems for Managing Aquatic Invasive Species in a Changing Climate. Conservation Biology, 2008, 22, 575-584.	2.4	40
107	Current Practices and Future Opportunities for Policy on Climate Change and Invasive Species. Conservation Biology, 2008, 22, 585-592.	2.4	116
108	Modeled interactive effects of precipitation, temperature, and [CO ₂] on ecosystem carbon and water dynamics in different climatic zones. Global Change Biology, 2008, 14, 1986-1999.	4.2	277

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109	Modelled effects of precipitation on ecosystem carbon and water dynamics in different climatic zones. Global Change Biology, 2008, 14, 2365-2379.	4.2	112
110	Linking Plant Invasions to Global Environmental Change. , 2007, , 93-102.		57
111	Fresh perspectives on timeless questions. Frontiers in Ecology and the Environment, 2007, 5, 334-335.	1.9	0
112	Plant invasion across space and time: factors affecting nonindigenous species success during four stages of invasion. New Phytologist, 2007, 176, 256-273.	3.5	762
113	Tomorrow's plant communities: different, but how?. New Phytologist, 2007, 176, 235-237.	3.5	12
114	Ecosystem Responses to Warming and Interacting Global Change Factors. Global Change - the IGBP Series, 2007, , 23-36.	2.1	16
115	Responses to Changing Atmosphere and Climate. , 2007, , 218-229.		3
116	Responses of Grassland Production to Single and Multiple Global Environmental Changes. PLoS Biology, 2005, 3, e319.	2.6	308
117	Progressive Nitrogen Limitation of Ecosystem Responses to Rising Atmospheric Carbon Dioxide. BioScience, 2004, 54, 731.	2.2	1,092
118	Disruption of ecosystem processes in western North America by invasive species. Revista Chilena De Historia Natural, 2004, 77, .	0.5	159
119	Burning Buried Sunshine: Human Consumption of Ancient Solar Energy. Climatic Change, 2003, 61, 31-44.	1.7	116
120	Overyielding among plant functional groups in a long-term experiment. Ecology Letters, 2003, 7, 95-105.	3.0	289
121	Mechanisms underlying the impacts of exotic plant invasions. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 775-781.	1.2	1,313
122	ATMOSPHERIC SCIENCE: Nitrogen and Climate Change. Science, 2003, 302, 1512-1513.	6.0	735
123	SPECIES COMPOSITION AND DIVERSITY AFFECT GRASSLAND SUSCEPTIBILITY AND RESPONSE TO INVASION. , 2002, 12, 602-617.		180
124	Elevated Carbon Dioxide and Litter Decomposition in California Annual Grasslands: Which Mechanisms Matter?. Ecosystems, 2002, 5, 171-183.	1.6	25
125	Title is missing!. Plant Ecology, 2002, 160, 225-234.	0.7	44
126	Biodiversity and invasibility in grassland microcosms. Oecologia, 2001, 126, 563-568.	0.9	281

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127	Productivity and complementarity in grassland microcosms of varying diversity. Oikos, 2001, 94, 468-480.	1.2	56
128	Diverse mechanisms for CO2 effects on grassland litter decomposition. Global Change Biology, 2000, 6, 145-154.	4.2	40
129	Does global change increase the success of biological invaders?. Trends in Ecology and Evolution, 1999, 14, 135-139.	4.2	1,254