Kiona Ogle

List of Publications by Year
in descending order

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90 papers	6,423 citations	109321 35 h-index	66911 78 g-index
90 all docs	90 docs citations	90 times ranked	8869 citing authors

#	Article	IF	Citations
1	Precipitation pulses and carbon fluxes in semiarid and arid ecosystems. Oecologia, 2004, 141, 254-268.	2.0	942
2	Modifying the â€˜pulseâ€“reserveâ€™ paradigm for deserts of North America: precipitation pulses, soil water, and plant responses. Oecologia, 2004, 141, 194-210.	2.0	593
3	Pervasive shifts in forest dynamics in a changing world. Science, 2020, 368, .	12.6	576
4	Global patterns of drought recovery. Nature, 2017, 548, 202-205.	27.8	560
5	Plant responses to precipitation in desert ecosystems: integrating functional types, pulses, thresholds, and delays. Oecologia, 2004, 141, 282-294.	2.0	390
6	Quantifying ecological memory in plant and ecosystem processes. Ecology Letters, 2015, 18, 221-235.	6.4	324
7	Soil Texture Drives Responses of Soil Respiration to Precipitation Pulses in the Sonoran Desert: Implications for Climate Change. Ecosystems, 2008, 11, 961-979.	3.4	192
8	TREE-RING VARIATION IN PINYON PREDICTS LIKELIHOOD OF DEATH FOLLOWING SEVERE DROUGHT. Ecology, 2000, 81, 3237-3243.	3.2	178
9	Does declining carbonâ€use efficiency explain thermal acclimation of soil respiration with warming?. Global Change Biology, 2013, 19, 252-263.	9.5	174
10	Global relationship of wood and leaf litter decomposability: the role of functional traits within and across plant organs. Global Ecology and Biogeography, 2014, 23, 1046-1057.	5.8	136
11	Legacy effects of drought in the southwestern United States: A multiâ€species synthesis. Ecological Monographs, 2016, 86, 312-326.	5.4	107
12	The temperature responses of soil respiration in deserts: a seven desert synthesis. Biogeochemistry, 2011, 103, 71-90.	3.5	101
13	Differential daytime and nightâ€time stomatal behavior in plants from North American deserts. New Phytologist, 2012, 194, 464-476.	7.3	99
14	Contribution of glacier meltwater to streamflow in the Wind River Range, Wyoming, inferred via a Bayesian mixing model applied to isotopic measurements. Hydrological Processes, 2011, 25, 2228-2236.	2.6	98
15	RECONSTRUCTING PLANT ROOT AREA AND WATER UPTAKE PROFILES. Ecology, 2004, 85, 1967-1978.	3.2	87
16	Legacies of more frequent drought in ponderosa pine across the western United States. Global Change Biology, 2019, 25, 3803-3816.	9.5	86
17	A generic structure for plant trait databases. Methods in Ecology and Evolution, 2011, 2, 202-213.	5.2	78
18	ENVIRONMENTAL HETEROGENEITY, BIRD-MEDIATED DIRECTED DISPERSAL, AND OAK WOODLAND DYNAMICS IN MEDITERRANEAN SPAIN. Ecological Monographs, 2007, 77, 77-97.	5.4	75

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19	No cumulative effect of 10Âyears of elevated [<scp><scp>CO₂</scp></scp>] on perennial plant biomass components in the Mojave Desert. Global Change Biology, 2013, 19, 2168-2181.	9.5	66
20	Evaluating scaling models in biology using hierarchical Bayesian approaches. Ecology Letters, 2009, 12, 641-651.	6.4	60
21	Tree growth sensitivity to climate is temporally variable. Ecology Letters, 2020, 23, 1561-1572.	6.4	60
22	Hierarchical statistical modeling of xylem vulnerability to cavitation. New Phytologist, 2009, 182, 541-554.	7.3	56
23	Antecedent moisture and temperature conditions modulate the response of ecosystem respiration to elevated <scp>CO</scp>₂ and warming. Global Change Biology, 2015, 21, 2588-2602.	9.5	54
24	Bayesian Dataâ€"Model Integration in Plant Physiological and Ecosystem Ecology. Progress in Botany Fortschritte Der Botanik, 2008, , 281-311.	0.3	53
25	Wholeâ€plant trait spectra of North American woody plant species reflect fundamental ecological strategies. Ecosphere, 2013, 4, 1-28.	2.2	52
26	Aboveground Growth and Competition in Forest Gap Models: An Analysis for Studies of Climatic Change. Climatic Change, 2001, 51, 415-447.	3.6	48
27	Implications of interveinal distance for quantum yield in C 4 grasses: a modeling and meta-analysis. Oecologia, 2003, 136, 532-542.	2.0	47
28	Temporal shifts in iso/anisohydry revealed from daily observations of plant water potential in a dominant desert shrub. New Phytologist, 2020, 225, 713-726.	7.3	46
29	Comparing the Performance of Forest gap Models in North America. Climatic Change, 2001, 51, 349-388.	3.6	45
30	A hierarchical Bayesian approach for estimation of photosynthetic parameters of C₃plants. Plant, Cell and Environment, 2009, 32, 1695-1709.	5.7	44
31	Gross primary production responses to warming, elevated <scp>CO</scp>₂, and irrigation: quantifying the drivers of ecosystem physiology in a semiarid grassland. Global Change Biology, 2017, 23, 3092-3106.	9.5	43
32	Woody plant encroachment impacts on soil carbon and microbial processes: results from a hierarchical Bayesian analysis of soil incubation data. Plant and Soil, 2009, 320, 153-167.	3.7	41
33	Physiological responses of two contrasting desert plant species to precipitation variability are differentially regulated by soil moisture and nitrogen dynamics. Global Change Biology, 2009, 15, 1214-1229.	9.5	40
34	Quantifying the timescales over which exogenous and endogenous conditions affect soil respiration. New Phytologist, 2014, 202, 442-454.	7.3	40
35	The trajectory of bone surface modification studies in paleoanthropology and a new Bayesian solution to the identification controversy. Journal of Human Evolution, 2017, 110, 69-81.	2.6	40
36	Antecedent Conditions Influence Soil Respiration Differences in Shrub and Grass Patches. Ecosystems, 2013, 16, 1230-1247.	3.4	37

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37	Quantifying antecedent climatic drivers of tree growth in the Southwestern <scp>US</scp>. Journal of Ecology, 2018, 106, 613-624.	4.0	37
38	Endogenous circadian regulation of carbon dioxide exchange in terrestrial ecosystems. Global Change Biology, 2012, 18, 1956-1970.	9.5	35
39	When a tree falls: Controls on wood decay predict standing dead tree fall and new risks in changing forests. PLoS ONE, 2018, 13, e0196712.	2.5	33
40	Ecological memory of daily carbon exchange across the globe and its importance in drylands. Ecology Letters, 2019, 22, 1806-1816.	6.4	33
41	Beyond simple linear mixing models: process-based isotope partitioning of ecological processes. , 2014, 24, 181-195.		33
42	Permafrost thaw affects boreal deciduous plant transpiration through increased soil water, deeper thaw, and warmer soils. Ecohydrology, 2014, 7, 982-997.	2.4	31
43	Conifer radial growth response to recent seasonal warming and drought from the southwestern USA. Forest Ecology and Management, 2018, 418, 55-62.	3.2	30
44	Legacies of La NiÃ±a: North American monsoon can rescue trees from winter drought. Global Change Biology, 2019, 25, 121-133.	9.5	30
45	Shrub encroachment alters sensitivity of soil respiration to temperature and moisture. Journal of Geophysical Research, 2012, 117, .	3.3	28
46	Nonâ€structural carbohydrate dynamics associated with antecedent stem water potential and air temperature in a dominant desert shrub. Plant, Cell and Environment, 2020, 43, 1467-1483.	5.7	28
47	Antecedent soil water content and vapor pressure deficit interactively control water potential in Larrea tridentata. New Phytologist, 2019, 221, 218-232.	7.3	26
48	Ensuring identifiability in hierarchical mixed effects Bayesian models. Ecological Applications, 2020, 30, e02159.	3.8	25
49	Feedback and Modularization in a Bayesian Metaâ€“analysis of Tree Traits Affecting Forest Dynamics. Bayesian Analysis, 2013, 8, .	3.0	24
50	Lower soil moisture and deep soil temperatures in thermokarst features increase old soil carbon loss after 10Âyears of experimental permafrost warming. Global Change Biology, 2021, 27, 1293-1308.	9.5	22
51	Process-based isotope partitioning of winter soil respiration in a subalpine ecosystem reveals importance of rhizospheric respiration. Biogeochemistry, 2014, 121, 389-408.	3.5	21
52	Temporal variability in hydrology modifies the influence of geomorphology on wetland distribution along a desert stream. Journal of Ecology, 2016, 104, 18-30.	4.0	21
53	The soil and plant biogeochemistry sampling design for The National Ecological Observatory Network. Ecosphere, 2016, 7, e01234.	2.2	21
54	A modelâ€based metaâ€analysis for estimating speciesâ€specific wood density and identifying potential sources of variation. Journal of Ecology, 2014, 102, 194-208.	4.0	19

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55	Hyperactive soil microbes might weaken the terrestrial carbon sink. Nature, 2018, 560, 32-33.	27.8	19
56	Isotope partitioning of soil respiration: A Bayesian solution to accommodate multiple sources of variability. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 221-236.	3.0	18
57	Beyond simple linear mixing models: process-based isotope partitioning of ecological processes. , 2014, 24, 181-195.		16
58	Seasonal stomatal behavior of a common desert shrub and the influence of plant neighbors. Oecologia, 2015, 177, 345-355.	2.0	15
59	Comparing traditional and Bayesian approaches to ecological metaâ€analysis. Methods in Ecology and Evolution, 2020, 11, 1286-1295.	5.2	14
60	ToPor not toP?. Ecology, 2014, 95, 621-626.	3.2	13
61	Hydrogen Isotopes as a Sentinel of Biological Invasion by the Japanese Beetle, Popillia japonica (Newman). PLoS ONE, 2016, 11, e0149599.	2.5	13
62	Thawing seasonal ground ice: An important water source for boreal forest plants in Interior Alaska. Ecohydrology, 2017, 10, e1796.	2.4	13
63	Temporal controls on crown nonstructural carbohydrates in southwestern US tree species. Tree Physiology, 2021, 41, 388-402.	3.1	12
64	Temporal dynamics of fine roots under longâ€term exposure to elevated CO₂ in the Mojave Desert. New Phytologist, 2013, 198, 127-138.	7.3	10
65	Shallow snowpack inhibits soil respiration in sagebrush steppe through multiple biotic and abiotic mechanisms. Ecosphere, 2016, 7, e01297.	2.2	10
66	A hierarchical, multivariate metaâ€analysis approach to synthesising global change experiments. New Phytologist, 2021, 231, 2382-2394.	7.3	8
67	Should we be concerned about multiple comparisons in hierarchical Bayesian models?. Methods in Ecology and Evolution, 2019, 10, 553-564.	5.2	7
68	Ecological Dynamics: Integrating Empirical, Statistical, and Analytical Methods. Trends in Ecology and Evolution, 2020, 35, 1090-1099.	8.7	7
69	Disentangling the Legacies of Climate and Management on Tree Growth. Ecosystems, 2022, 25, 215-235.	3.4	7
70	Stable isotope views on ecosystem function: challenging or challenged?. Biology Letters, 2010, 6, 287-289.	2.3	6
71	Quantifying and reducing uncertainties in estimated soil CO₂ fluxes with hierarchical dataâ€model integration. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 2935-2948.	3.0	6
72	Modeling soil CO₂ production and transport with dynamic source and diffusion terms: testing the steady-state assumption using DETECT v1.0. Geoscientific Model Development, 2018, 11, 1909-1928.	3.6	6

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73	Atmosphereâ€Soil Interactions Govern Ecosystem Flux Sensitivity to Environmental Conditions in Semiarid Woody Ecosystems Over Varying Timescales. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005554.	3.0	6
74	Altered climate memory characterizes tree growth during forest dieback. Agricultural and Forest Meteorology, 2022, 314, 108787.	4.8	6
75	Examining the role of environmental memory in the predictability of carbon and water fluxes across Australian ecosystems. Biogeosciences, 2022, 19, 1913-1932.	3.3	6
76	Riverine complexity and life history inform restoration in riparian environments in the southwestern United States. Restoration Ecology, 2021, 29, e13418.	2.9	5
77	Application of a Bayesian model to infer the contribution of coalbed natural gas produced water to the Powder River, Wyoming and Montana. Hydrological Processes, 2014, 28, 2361-2381.	2.6	4
78	Plant and Ecosystem Memory. Chance, 2016, 29, 16-22.	0.2	4
79	The Sensitivity of Evapotranspiration to Inter-Specific Plant Neighbor Interactions: Implications for Models. Ecosystems, 2017, 20, 1311-1323.	3.4	4
80	Multidimensional trait space informed by a mechanistic model of tree growth and carbon allocation. Ecosphere, 2018, 9, e02060.	2.2	4
81	Symposium 23. Toward Ecological Forecasting. Bulletin of the Ecological Society of America, 2008, 89, 467-474.	0.2	3
82	Temporal Coupling of Subsurface and Surface Soil CO₂ Fluxes: Insights From a Nonsteady State Model and Crossâ€Wavelet Coherence Analysis. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 1406-1424.	3.0	3
83	Investigating Thaw and Plant Productivity Constraints on Old Soil Carbon Respiration From Permafrost. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006000.	3.0	3
84	Estimation of pollen productivity and dispersal: How pollen assemblages in small lakes represent vegetation. Ecological Monographs, 2022, 92, .	5.4	3
85	Reversible jump MCMC for inference in a deterministic individualâ€“based model of tree growth for studying forest dynamics. Environmetrics, 2013, 24, 433-448.	1.4	2
86	Refinement of a theoretical trait space for North American trees via environmental filtering. Ecological Monographs, 2018, 88, 372-384.	5.4	2
87	Tree growth sensitivity to climate varies across a seasonal precipitation gradient. Oecologia, 2022, 198, 933-946.	2.0	2
88	A framework for partitioning plant rooting profiles from neighbours using multiple data types. Journal of Vegetation Science, 2016, 27, 587-595.	2.2	1
89	Combining and comparing multiple serial dilution assays of particles in solution: application to brucellosis in elk of the Greater Yellowstone Ecosystem. Environmental and Ecological Statistics, 2015, 22, 161-177.	3.5	0
90	ACGCA: An R package for simulating tree growth and mortality based on functional traits. Ecological Informatics, 2022, 69, 101605.	5.2	0