

Kiona Ogle

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2707375/publications.pdf>

Version: 2024-02-01

90
papers

6,423
citations

109137

35
h-index

69108

77
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. <i>Oecologia</i> , 2004, 141, 254-268.	0.9	942
2	Modifying the "pulse-reserve" paradigm for deserts of North America: precipitation pulses, soil water, and plant responses. <i>Oecologia</i> , 2004, 141, 194-210.	0.9	593
3	Pervasive shifts in forest dynamics in a changing world. <i>Science</i> , 2020, 368, .	6.0	576
4	Global patterns of drought recovery. <i>Nature</i> , 2017, 548, 202-205.	13.7	560
5	Plant responses to precipitation in desert ecosystems: integrating functional types, pulses, thresholds, and delays. <i>Oecologia</i> , 2004, 141, 282-294.	0.9	390
6	Quantifying ecological memory in plant and ecosystem processes. <i>Ecology Letters</i> , 2015, 18, 221-235.	3.0	324
7	Soil Texture Drives Responses of Soil Respiration to Precipitation Pulses in the Sonoran Desert: Implications for Climate Change. <i>Ecosystems</i> , 2008, 11, 961-979.	1.6	192
8	TREE-RING VARIATION IN PINYON PREDICTS LIKELIHOOD OF DEATH FOLLOWING SEVERE DROUGHT. <i>Ecology</i> , 2000, 81, 3237-3243.	1.5	178
9	Does declining carbon-use efficiency explain thermal acclimation of soil respiration with warming?. <i>Global Change Biology</i> , 2013, 19, 252-263.	4.2	174
10	Global relationship of wood and leaf litter decomposability: the role of functional traits within and across plant organs. <i>Global Ecology and Biogeography</i> , 2014, 23, 1046-1057.	2.7	136
11	Legacy effects of drought in the southwestern United States: A multi-species synthesis. <i>Ecological Monographs</i> , 2016, 86, 312-326.	2.4	107
12	The temperature responses of soil respiration in deserts: a seven desert synthesis. <i>Biogeochemistry</i> , 2011, 103, 71-90.	1.7	101
13	Differential daytime and nighttime stomatal behavior in plants from North American deserts. <i>New Phytologist</i> , 2012, 194, 464-476.	3.5	99
14	Contribution of glacier meltwater to streamflow in the Wind River Range, Wyoming, inferred via a Bayesian mixing model applied to isotopic measurements. <i>Hydrological Processes</i> , 2011, 25, 2228-2236.	1.1	98
15	RECONSTRUCTING PLANT ROOT AREA AND WATER UPTAKE PROFILES. <i>Ecology</i> , 2004, 85, 1967-1978.	1.5	87
16	Legacies of more frequent drought in ponderosa pine across the western United States. <i>Global Change Biology</i> , 2019, 25, 3803-3816.	4.2	86
17	A generic structure for plant trait databases. <i>Methods in Ecology and Evolution</i> , 2011, 2, 202-213.	2.2	78
18	ENVIRONMENTAL HETEROGENEITY, BIRD-MEDIATED DIRECTED DISPERSAL, AND OAK WOODLAND DYNAMICS IN MEDITERRANEAN SPAIN. <i>Ecological Monographs</i> , 2007, 77, 77-97.	2.4	75

#	ARTICLE	IF	CITATIONS
19	No cumulative effect of 10 years of elevated [CO_2] on perennial plant biomass components in the Mojave Desert. <i>Global Change Biology</i> , 2013, 19, 2168-2181.	4.2	66
20	Evaluating scaling models in biology using hierarchical Bayesian approaches. <i>Ecology Letters</i> , 2009, 12, 641-651.	3.0	60
21	Tree growth sensitivity to climate is temporally variable. <i>Ecology Letters</i> , 2020, 23, 1561-1572.	3.0	60
22	Hierarchical statistical modeling of xylem vulnerability to cavitation. <i>New Phytologist</i> , 2009, 182, 541-554.	3.5	56
23	Antecedent moisture and temperature conditions modulate the response of ecosystem respiration to elevated CO_2 and warming. <i>Global Change Biology</i> , 2015, 21, 2588-2602.	4.2	54
24	Bayesian Data Model Integration in Plant Physiological and Ecosystem Ecology. <i>Progress in Botany Fortschritte Der Botanik</i> , 2008, , 281-311.	0.1	53
25	Whole plant trait spectra of North American woody plant species reflect fundamental ecological strategies. <i>Ecosphere</i> , 2013, 4, 1-28.	1.0	52
26	Aboveground Growth and Competition in Forest Gap Models: An Analysis for Studies of Climatic Change. <i>Climatic Change</i> , 2001, 51, 415-447.	1.7	48
27	Implications of interveinal distance for quantum yield in C 4 grasses: a modeling and meta-analysis. <i>Oecologia</i> , 2003, 136, 532-542.	0.9	47
28	Temporal shifts in iso/anisohdry revealed from daily observations of plant water potential in a dominant desert shrub. <i>New Phytologist</i> , 2020, 225, 713-726.	3.5	46
29	Comparing the Performance of Forest gap Models in North America. <i>Climatic Change</i> , 2001, 51, 349-388.	1.7	45
30	A hierarchical Bayesian approach for estimation of photosynthetic parameters of C_3 plants. <i>Plant, Cell and Environment</i> , 2009, 32, 1695-1709.	2.8	44
31	Gross primary production responses to warming, elevated CO_2 , and irrigation: quantifying the drivers of ecosystem physiology in a semiarid grassland. <i>Global Change Biology</i> , 2017, 23, 3092-3106.	4.2	43
32	Woody plant encroachment impacts on soil carbon and microbial processes: results from a hierarchical Bayesian analysis of soil incubation data. <i>Plant and Soil</i> , 2009, 320, 153-167.	1.8	41
33	Physiological responses of two contrasting desert plant species to precipitation variability are differentially regulated by soil moisture and nitrogen dynamics. <i>Global Change Biology</i> , 2009, 15, 1214-1229.	4.2	40
34	Quantifying the timescales over which exogenous and endogenous conditions affect soil respiration. <i>New Phytologist</i> , 2014, 202, 442-454.	3.5	40
35	The trajectory of bone surface modification studies in paleoanthropology and a new Bayesian solution to the identification controversy. <i>Journal of Human Evolution</i> , 2017, 110, 69-81.	1.3	40
36	Antecedent Conditions Influence Soil Respiration Differences in Shrub and Grass Patches. <i>Ecosystems</i> , 2013, 16, 1230-1247.	1.6	37

#	ARTICLE	IF	CITATIONS
37	Quantifying antecedent climatic drivers of tree growth in the Southwestern US. <i>Journal of Ecology</i> , 2018, 106, 613-624.	1.9	37
38	Endogenous circadian regulation of carbon dioxide exchange in terrestrial ecosystems. <i>Global Change Biology</i> , 2012, 18, 1956-1970.	4.2	35
39	When a tree falls: Controls on wood decay predict standing dead tree fall and new risks in changing forests. <i>PLoS ONE</i> , 2018, 13, e0196712.	1.1	33
40	Ecological memory of daily carbon exchange across the globe and its importance in drylands. <i>Ecology Letters</i> , 2019, 22, 1806-1816.	3.0	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. <i>Ecohydrology</i> , 2014, 7, 982-997.	1.1	31
43	Conifer radial growth response to recent seasonal warming and drought from the southwestern USA. <i>Forest Ecology and Management</i> , 2018, 418, 55-62.	1.4	30
44	Legacies of La Niña: North American monsoon can rescue trees from winter drought. <i>Global Change Biology</i> , 2019, 25, 121-133.	4.2	30
45	Shrub encroachment alters sensitivity of soil respiration to temperature and moisture. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	28
46	Non-structural carbohydrate dynamics associated with antecedent stem water potential and air temperature in a dominant desert shrub. <i>Plant, Cell and Environment</i> , 2020, 43, 1467-1483.	2.8	28
47	Antecedent soil water content and vapor pressure deficit interactively control water potential in <i>Larrea tridentata</i> . <i>New Phytologist</i> , 2019, 221, 218-232.	3.5	26
48	Ensuring identifiability in hierarchical mixed effects Bayesian models. <i>Ecological Applications</i> , 2020, 30, e02159.	1.8	25
49	Feedback and Modularization in a Bayesian Meta-analysis of Tree Traits Affecting Forest Dynamics. <i>Bayesian Analysis</i> , 2013, 8, .	1.6	24
50	Lower soil moisture and deep soil temperatures in thermokarst features increase old soil carbon loss after 10 years of experimental permafrost warming. <i>Global Change Biology</i> , 2021, 27, 1293-1308.	4.2	22
51	Process-based isotope partitioning of winter soil respiration in a subalpine ecosystem reveals importance of rhizospheric respiration. <i>Biogeochemistry</i> , 2014, 121, 389-408.	1.7	21
52	Temporal variability in hydrology modifies the influence of geomorphology on wetland distribution along a desert stream. <i>Journal of Ecology</i> , 2016, 104, 18-30.	1.9	21
53	The soil and plant biogeochemistry sampling design for The National Ecological Observatory Network. <i>Ecosphere</i> , 2016, 7, e01234.	1.0	21
54	A model-based meta-analysis for estimating species-specific wood density and identifying potential sources of variation. <i>Journal of Ecology</i> , 2014, 102, 194-208.	1.9	19

#	ARTICLE	IF	CITATIONS
55	Hyperactive soil microbes might weaken the terrestrial carbon sink. <i>Nature</i> , 2018, 560, 32-33.	13.7	19
56	Isotope partitioning of soil respiration: A Bayesian solution to accommodate multiple sources of variability. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 221-236.	1.3	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. <i>Oecologia</i> , 2015, 177, 345-355.	0.9	15
59	Comparing traditional and Bayesian approaches to ecological meta-analysis. <i>Methods in Ecology and Evolution</i> , 2020, 11, 1286-1295.	2.2	14
60	ToPor not toP?. <i>Ecology</i> , 2014, 95, 621-626.	1.5	13
61	Hydrogen Isotopes as a Sentinel of Biological Invasion by the Japanese Beetle, <i>Popillia japonica</i> (Newman). <i>PLoS ONE</i> , 2016, 11, e0149599.	1.1	13
62	Thawing seasonal ground ice: An important water source for boreal forest plants in Interior Alaska. <i>Ecohydrology</i> , 2017, 10, e1796.	1.1	13
63	Temporal controls on crown nonstructural carbohydrates in southwestern US tree species. <i>Tree Physiology</i> , 2021, 41, 388-402.	1.4	12
64	Temporal dynamics of fine roots under long-term exposure to elevated CO ₂ in the Mojave Desert. <i>New Phytologist</i> , 2013, 198, 127-138.	3.5	10
65	Shallow snowpack inhibits soil respiration in sagebrush steppe through multiple biotic and abiotic mechanisms. <i>Ecosphere</i> , 2016, 7, e01297.	1.0	10
66	A hierarchical, multivariate meta-analysis approach to synthesising global change experiments. <i>New Phytologist</i> , 2021, 231, 2382-2394.	3.5	8
67	Should we be concerned about multiple comparisons in hierarchical Bayesian models?. <i>Methods in Ecology and Evolution</i> , 2019, 10, 553-564.	2.2	7
68	Ecological Dynamics: Integrating Empirical, Statistical, and Analytical Methods. <i>Trends in Ecology and Evolution</i> , 2020, 35, 1090-1099.	4.2	7
69	Disentangling the Legacies of Climate and Management on Tree Growth. <i>Ecosystems</i> , 2022, 25, 215-235.	1.6	7
70	Stable isotope views on ecosystem function: challenging or challenged?. <i>Biology Letters</i> , 2010, 6, 287-289.	1.0	6
71	Quantifying and reducing uncertainties in estimated soil CO ₂ fluxes with hierarchical data-model integration. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2935-2948.	1.3	6
72	Modeling soil CO ₂ production and transport with dynamic source and diffusion terms: testing the steady-state assumption using DETECT v1.0. <i>Geoscientific Model Development</i> , 2018, 11, 1909-1928.	1.3	6

#	ARTICLE	IF	CITATIONS
73	Atmosphere–Soil Interactions Govern Ecosystem Flux Sensitivity to Environmental Conditions in Semiarid Woody Ecosystems Over Varying Timescales. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005554.	1.3	6
74	Altered climate memory characterizes tree growth during forest dieback. <i>Agricultural and Forest Meteorology</i> , 2022, 314, 108787.	1.9	6
75	Examining the role of environmental memory in the predictability of carbon and water fluxes across Australian ecosystems. <i>Biogeosciences</i> , 2022, 19, 1913-1932.	1.3	6
76	Riverine complexity and life history inform restoration in riparian environments in the southwestern United States. <i>Restoration Ecology</i> , 2021, 29, e13418.	1.4	5
77	Application of a Bayesian model to infer the contribution of coalbed natural gas produced water to the Powder River, Wyoming and Montana. <i>Hydrological Processes</i> , 2014, 28, 2361-2381.	1.1	4
78	Plant and Ecosystem Memory. <i>Chance</i> , 2016, 29, 16-22.	0.1	4
79	The Sensitivity of Evapotranspiration to Inter-Specific Plant Neighbor Interactions: Implications for Models. <i>Ecosystems</i> , 2017, 20, 1311-1323.	1.6	4
80	Multidimensional trait space informed by a mechanistic model of tree growth and carbon allocation. <i>Ecosphere</i> , 2018, 9, e02060.	1.0	4
81	Symposium 23. Toward Ecological Forecasting. <i>Bulletin of the Ecological Society of America</i> , 2008, 89, 467-474.	0.2	3
82	Temporal Coupling of Subsurface and Surface Soil CO ₂ Fluxes: Insights From a Nonsteady State Model and Cross-Wavelet Coherence Analysis. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1406-1424.	1.3	3
83	Investigating Thaw and Plant Productivity Constraints on Old Soil Carbon Respiration From Permafrost. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006000.	1.3	3
84	Estimation of pollen productivity and dispersal: How pollen assemblages in small lakes represent vegetation. <i>Ecological Monographs</i> , 2022, 92, .	2.4	3
85	Reversible jump MCMC for inference in a deterministic individual-based model of tree growth for studying forest dynamics. <i>Environmetrics</i> , 2013, 24, 433-448.	0.6	2
86	Refinement of a theoretical trait space for North American trees via environmental filtering. <i>Ecological Monographs</i> , 2018, 88, 372-384.	2.4	2
87	Tree growth sensitivity to climate varies across a seasonal precipitation gradient. <i>Oecologia</i> , 2022, 198, 933-946.	0.9	2
88	A framework for partitioning plant rooting profiles from neighbours using multiple data types. <i>Journal of Vegetation Science</i> , 2016, 27, 587-595.	1.1	1
89	Combining and comparing multiple serial dilution assays of particles in solution: application to brucellosis in elk of the Greater Yellowstone Ecosystem. <i>Environmental and Ecological Statistics</i> , 2015, 22, 161-177.	1.9	0
90	ACGCA: An R package for simulating tree growth and mortality based on functional traits. <i>Ecological Informatics</i> , 2022, 69, 101605.	2.3	0