

# Donald L Phillips

## List of Publications by Citations

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63

papers

9,132

citations

36

h-index

63

g-index

63

ext. papers

10,129

ext. citations

4.1

avg, IF

6.27

L-index

#	Paper	IF	Citations
63	Source partitioning using stable isotopes: coping with too many sources. <i>Oecologia</i> , <b>2003</b> , 136, 261-9	2.9	1412
62	Uncertainty in source partitioning using stable isotopes. <i>Oecologia</i> , <b>2001</b> , 127, 171-179	2.9	966
61	Chlorinated hydrocarbon levels in human serum: effects of fasting and feeding. <i>Archives of Environmental Contamination and Toxicology</i> , <b>1989</b> , 18, 495-500	3.2	685
60	Best practices for use of stable isotope mixing models in food-web studies. <i>Canadian Journal of Zoology</i> , <b>2014</b> , 92, 823-835	1.5	621
59	Combining sources in stable isotope mixing models: alternative methods. <i>Oecologia</i> , <b>2005</b> , 144, 520-7	2.9	573
58	Incorporating concentration dependence in stable isotope mixing models. <i>Oecologia</i> , <b>2002</b> , 130, 114-125	2.9	545
57	A niche for isotopic ecology. <i>Frontiers in Ecology and the Environment</i> , <b>2007</b> , 5, 429-436	5.5	511
56	A niche for isotopic ecology. <i>Frontiers in Ecology and the Environment</i> , <b>2007</b> , 5, 429	5.5	343
55	Mixing models in analyses of diet using multiple stable isotopes: a critique. <i>Oecologia</i> , <b>2001</b> , 127, 166-170	2.9	337
54	Analyzing mixing systems using a new generation of Bayesian tracer mixing models. <i>PeerJ</i> , <b>2018</b> , 6, e50951	3.1	308
53	A comparison of geostatistical procedures for spatial analysis of precipitation in mountainous terrain. <i>Agricultural and Forest Meteorology</i> , <b>1992</b> , 58, 119-141	5.8	236
52	Bayesian stable isotope mixing models. <i>Environmetrics</i> , <b>2013</b> , 24, n/a-n/a	1.3	211
51	Converting isotope values to diet composition: the use of mixing models. <i>Journal of Mammalogy</i> , <b>2012</b> , 93, 342-352	1.8	206
50	Estimates of the half-life of 2,3,7,8-tetrachlorodibenzo-p-dioxin in Vietnam Veterans of Operation Ranch Hand. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>1989</b> , 27, 165-71	3.2	181
49	Estimating the timing of diet shifts using stable isotopes. <i>Oecologia</i> , <b>2006</b> , 147, 195-203	2.9	162
48	Competition and Spacing Patterns in Desert Shrubs. <i>Journal of Ecology</i> , <b>1981</b> , 69, 97	6	156
47	Elevated CO <sub>2</sub> and conifer roots: effects on growth, life span and turnover. <i>New Phytologist</i> , <b>2000</b> , 147, 87-103	9.8	120

46	Dietary reconstruction of an early to middle Holocene human population from the central California coast: insights from advanced stable isotope mixing models. <i>Journal of Archaeological Science</i> , <b>2004</b> , 31, 1101-1115	2.9	116
45	Patch-Size Effects on Early Succession in Southern Appalachian Forests. <i>Ecology</i> , <b>1990</b> , 71, 204-212	4.6	103
44	Use of sulfur and nitrogen stable isotopes to determine the importance of whitebark pine nuts to Yellowstone grizzly bears. <i>Canadian Journal of Zoology</i> , <b>2003</b> , 81, 763-770	1.5	92
43	Half-life of polychlorinated biphenyls in occupationally exposed workers. <i>Archives of Environmental Health</i> , <b>1989</b> , 44, 351-4		88
42	A Versatile Sun-lit Controlled-Environment Facility for Studying Plant and Soil Processes. <i>Journal of Environmental Quality</i> , <b>1996</b> , 25, 614-625	3.4	75
41	Effects of elevated CO <sub>2</sub> and nitrogen on the synchrony of shoot and root growth in ponderosa pine. <i>Tree Physiology</i> , <b>1996</b> , 16, 905-914	4.2	64
40	Mangrove-Exported Nutrient Incorporation by Sessile Coral Reef Invertebrates. <i>Ecosystems</i> , <b>2009</b> , 12, 462-472	3.9	63
39	Pentachlorophenol measurements in body fluids of people in log homes and workplaces. <i>Archives of Environmental Contamination and Toxicology</i> , <b>1989</b> , 18, 475-81	3.2	61
38	Spatial uncertainty analysis: propagation of interpolation errors in spatially distributed models. <i>Ecological Modelling</i> , <b>1996</b> , 91, 213-229	3	59
37	Incorporating concentration dependence in stable isotope mixing models: a reply to Robbins, Hilderbrand and Farley (2002). <i>Oecologia</i> , <b>2002</b> , 133, 14-18	2.9	54
36	Ecological and water quality consequences of nutrient addition for salmon restoration in the Pacific Northwest. <i>Frontiers in Ecology and the Environment</i> , <b>2006</b> , 4, 18-26	5.5	52
35	Sensitivity of the US corn belt to climate change and elevated CO <sub>2</sub> : II. Soil erosion and organic carbon. <i>Agricultural Systems</i> , <b>1996</b> , 52, 503-521	6.1	52
34	Effects of elevated CO <sub>2</sub> and N fertilization on fine root dynamics and fungal growth in seedling <i>Pinus ponderosa</i> . <i>Environmental and Experimental Botany</i> , <b>1997</b> , 37, 73-83	5.9	51
33	USE OF AUXILIARY DATA FOR SPATIAL INTERPOLATION OF OZONE EXPOSURE IN SOUTHEASTERN FORESTS. <i>Environmetrics</i> , <b>1997</b> , 8, 43-61	1.3	48
32	Sensitivity of the US corn belt to climate change and elevated CO <sub>2</sub> : I. Corn and soybean yields. <i>Agricultural Systems</i> , <b>1996</b> , 52, 481-502	6.1	48
31	Willamette River Basin surface water isoscape ( $\delta^{18}\text{O}$ and $\delta^2\text{H}$ ): temporal changes of source water within the river. <i>Ecosphere</i> , <b>2012</b> , 3, art39	3.1	45
30	Effects of elevated CO <sub>2</sub> on fine root dynamics in a Mojave Desert community: a FACE study. <i>Global Change Biology</i> , <b>2006</b> , 12, 61-73	11.4	42
29	A quantitative approach to combine sources in stable isotope mixing models. <i>Ecosphere</i> , <b>2011</b> , 2, art19	3.1	40

28	Gap size and succession in cutover southern Appalachian forests: an 18 year study of vegetation dynamics. <i>Plant Ecology</i> , <b>2006</b> , 185, 299-318	1.7	37
27	Effects of folate in culture medium on common fragile sites in lymphocyte chromosomes from normal and leukemic children. <i>Human Genetics</i> , <b>1988</b> , 81, 9-12	6.3	30
26	Estimates of Douglas-fir fine root production and mortality from minirhizotrons. <i>Forest Ecology and Management</i> , <b>2005</b> , 204, 359-370	3.9	27
25	Effects of Elevated CO <sub>2</sub> and Nitrogen on Ponderosa Pine Fine Roots and Associated Fungal Components. <i>Journal of Biogeography</i> , <b>1995</b> , 22, 281	4.1	24
24	Determination of polychlorinated biphenyl levels in the serum of residents and in the homogenates of seafood from the New Bedford, Massachusetts, area: a comparison of exposure sources through pattern recognition techniques. <i>Science of the Total Environment</i> , <b>1994</b> , 144, 153-77	10.2	24
23	Uncertainty in source partitioning using stable isotopes. <i>Oecologia</i> , <b>2001</b> , 128, 304	2.9	23
22	CO <sub>2</sub> and N-fertilization effects on fine-root length, production, and mortality: a 4-year ponderosa pine study. <i>Oecologia</i> , <b>2006</b> , 148, 517-25	2.9	21
21	Quantitative assessment of Pb sources in isotopic mixtures using a Bayesian mixing model. <i>Scientific Reports</i> , <b>2018</b> , 8, 6154	4.9	20
20	Propagation of error and bias in half-life estimates based on two measurements. <i>Archives of Environmental Contamination and Toxicology</i> , <b>1989</b> , 18, 508-14	3.2	20
19	Optimizing minirhizotron sample frequency for an evergreen and deciduous tree species. <i>New Phytologist</i> , <b>2003</b> , 157, 155-161	9.8	18
18	Human exposure to polychlorinated biphenyls in Greater New Bedford, Massachusetts: a prevalence study. <i>Archives of Environmental Contamination and Toxicology</i> , <b>1991</b> , 20, 410-6	3.2	18
17	Fine root growth and mortality in different-aged ponderosa pine stands. <i>Canadian Journal of Forest Research</i> , <b>2008</b> , 38, 1797-1806	1.9	17
16	Elevated CO <sub>2</sub> and temperature alter net ecosystem C exchange in a young Douglas fir mesocosm experiment. <i>Plant, Cell and Environment</i> , <b>2007</b> , 30, 1400-10	8.4	16
15	Bole water content shows little seasonal variation in century-old Douglas-fir trees. <i>Tree Physiology</i> , <b>2007</b> , 27, 737-47	4.2	16
14	Testing the niche variation hypothesis with a measure of body condition. <i>Oikos</i> , <b>2015</b> , 124, 732-740	4	15
13	Minirhizotron installation in sandy, rocky soils with minimal soil disturbance. <i>Soil Science Society of America Journal</i> , <b>2000</b> , 64, 761-764	2.5	15
12	The carbon dioxide leakage from chambers measured using sulfur hexafluoride. <i>Environmental and Experimental Botany</i> , <b>2000</b> , 43, 101-110	5.9	12
11	Elevated temperature, soil moisture and seasonality but not CO <sub>2</sub> affect canopy assimilation and system respiration in seedling Douglas-fir ecosystems. <i>Agricultural and Forest Meteorology</i> , <b>2007</b> , 143, 30-48	5.8	11

10	Sapwood moisture in Douglas-fir boles and seasonal changes in soil water. <i>Canadian Journal of Forest Research</i> , <b>2007</b> , 37, 1263-1271	1.9	9
9	Independent and contrasting effects of elevated CO <sub>2</sub> and N-fertilization on root architecture in <i>Pinus ponderosa</i> . <i>Trees - Structure and Function</i> , <b>2005</b> , 19, 43-50	2.6	9
8	Elevated CO <sub>2</sub> and O <sub>3</sub> effects on fine-root survivorship in ponderosa pine mesocosms. <i>Oecologia</i> , <b>2009</b> , 160, 827-37	2.9	8
7	Internal temperature of Douglas-fir buds is altered at elevated temperature. <i>Environmental and Experimental Botany</i> , <b>1999</b> , 41, 25-30	5.9	6
6	Food resource partitioning in syntopic nectarivorous bats on Puerto Rico. <i>Journal of Tropical Ecology</i> , <b>2014</b> , 30, 359-369	1.3	3
5	Seasonal and long-term effects of CO <sub>2</sub> and O <sub>3</sub> on water loss in ponderosa pine and their interaction with climate and soil moisture. <i>Tree Physiology</i> , <b>2009</b> , 29, 1381-93	4.2	2
4	Terrestrial carbon dynamics: Case studies in the former Soviet Union, the conterminous United States, Mexico and Brazil. <i>Mitigation and Adaptation Strategies for Global Change</i> , <b>1997</b> , 1, 363-383	3.9	2
3	Selection of a Base Serum for the Preparation of Quality Control Pools Containing Environmental Analytes. <i>Analytical Letters</i> , <b>1992</b> , 25, 21-36	2.2	2
2	Possible approaches to establishing interlaboratory comparability of measurements of polychlorinated biphenyls in human serum. <i>Analytica Chimica Acta</i> , <b>1991</b> , 251, 281-289	6.6	1
1	Terrestrial Carbon Dynamics: Case Studies in the Former Soviet Union, the Conterminous United States, Mexico and Brazil. <i>Mitigation and Adaptation Strategies for Global Change</i> , <b>1995</b> , 1, 363-383	3.9	