

# Donald L Phillips

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

12,071  
citations

87723

38  
h-index

118652

62  
g-index

63  
all docs

63  
docs citations

63  
times ranked

10350  
citing authors

#	ARTICLE	IF	CITATIONS
1	Source partitioning using stable isotopes: coping with too many sources. <i>Oecologia</i> , 2003, 136, 261-269.	0.9	1,670
2	Uncertainty in source partitioning using stable isotopes. <i>Oecologia</i> , 2001, 127, 171-179.	0.9	1,053
3	A niche for isotopic ecology. <i>Frontiers in Ecology and the Environment</i> , 2007, 5, 429.	1.9	917
4	Best practices for use of stable isotope mixing models in food-web studies. <i>Canadian Journal of Zoology</i> , 2014, 92, 823-835.	0.4	873
5	Chlorinated hydrocarbon levels in human serum: Effects of fasting and feeding. <i>Archives of Environmental Contamination and Toxicology</i> , 1989, 18, 495-500.	2.1	763
6	Combining sources in stable isotope mixing models: alternative methods. <i>Oecologia</i> , 2005, 144, 520-527.	0.9	697
7	Analyzing mixing systems using a new generation of Bayesian tracer mixing models. <i>PeerJ</i> , 2018, 6, e5096.	0.9	676
8	Incorporating concentration dependence in stable isotope mixing models. <i>Oecologia</i> , 2002, 130, 114-125.	0.9	643
9	A niche for isotopic ecology. <i>Frontiers in Ecology and the Environment</i> , 2007, 5, 429-436.	1.9	607
10	Bayesian stable isotope mixing models. <i>Environmetrics</i> , 2013, 24, 387-399.	0.6	519
11	Mixing models in analyses of diet using multiple stable isotopes: a critique. <i>Oecologia</i> , 2001, 127, 166-170.	0.9	385
12	A comparison of geostatistical procedures for spatial analysis of precipitation in mountainous terrain. <i>Agricultural and Forest Meteorology</i> , 1992, 58, 119-141.	1.9	284
13	Converting isotope values to diet composition: the use of mixing models. <i>Journal of Mammalogy</i> , 2012, 93, 342-352.	0.6	254
14	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> , 1989, 27, 165-171.	1.1	222
15	Competition and Spacing Patterns in Desert Shrubs. <i>Journal of Ecology</i> , 1981, 69, 97.	1.9	213
16	Estimating the timing of diet shifts using stable isotopes. <i>Oecologia</i> , 2006, 147, 195-203.	0.9	185
17	Uncertainty in source partitioning using stable isotopes. <i>Oecologia</i> , 2001, 128, 304-304.	0.9	184
18	Patch-Size Effects on Early Succession in Southern Appalachian Forests. <i>Ecology</i> , 1990, 71, 204-212.	1.5	146

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19	Elevated CO <sub>2</sub> and conifer roots: effects on growth, life span and turnover. <i>New Phytologist</i> , 2000, 147, 87-103.	3.5	137
20	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> , 2004, 31, 1101-1115.	1.2	129
21	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> , 2003, 81, 763-770.	0.4	106
22	Half-Life of Polychlorinated Biphenyls in Occupationally Exposed Workers. <i>Archives of Environmental Health</i> , 1989, 44, 351-354.	0.4	97
23	A Versatile Sunlit Controlled-Environment Facility for Studying Plant and Soil Processes. <i>Journal of Environmental Quality</i> , 1996, 25, 614-625.	1.0	84
24	Pentachlorophenol measurements in body fluids of people in log homes and workplaces. <i>Archives of Environmental Contamination and Toxicology</i> , 1989, 18, 475-481.	2.1	73
25	Mangrove-Exported Nutrient Incorporation by Sessile Coral Reef Invertebrates. <i>Ecosystems</i> , 2009, 12, 462-472.	1.6	71
26	Effects of elevated CO <sub>2</sub> and nitrogen on the synchrony of shoot and root growth in ponderosa pine. <i>Tree Physiology</i> , 1996, 16, 905-914.	1.4	70
27	Spatial uncertainty analysis: propagation of interpolation errors in spatially distributed models. <i>Ecological Modelling</i> , 1996, 91, 213-229.	1.2	69
28	Incorporating concentration dependence in stable isotope mixing models: a reply to Robbins, Hilderbrand and Farley (2002). <i>Oecologia</i> , 2002, 133, 14-18.	0.9	61
29	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> , 2012, 3, 1-21.	1.0	58
30	Sensitivity of the US corn belt to climate change and elevated CO <sub>2</sub> : I. Corn and soybean yields. <i>Agricultural Systems</i> , 1996, 52, 481-502.	3.2	57
31	Ecological and water quality consequences of nutrient addition for salmon restoration in the Pacific Northwest. <i>Frontiers in Ecology and the Environment</i> , 2006, 4, 18-26.	1.9	56
32	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> , 1997, 37, 73-83.	2.0	55
33	USE OF AUXILIARY DATA FOR SPATIAL INTERPOLATION OF OZONE EXPOSURE IN SOUTHEASTERN FORESTS. <i>Environmetrics</i> , 1997, 8, 43-61.	0.6	55
34	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> , 1996, 52, 503-521.	3.2	54
35	Effects of elevated CO <sub>2</sub> on fine root dynamics in a Mojave Desert community: a FACE study. <i>Global Change Biology</i> , 2006, 12, 61-73.	4.2	45
36	A quantitative approach to combine sources in stable isotope mixing models. <i>Ecosphere</i> , 2011, 2, art19.	1.0	45

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37	Gap size and succession in cutover southern Appalachian forests: an 18-year study of vegetation dynamics. <i>Plant Ecology</i> , 2006, 185, 299-318.	0.7	43
38	Quantitative assessment of Pb sources in isotopic mixtures using a Bayesian mixing model. <i>Scientific Reports</i> , 2018, 8, 6154.	1.6	39
39	Effects of Elevated CO <sub>2</sub> and Nitrogen on Ponderosa Pine Fine Roots and Associated Fungal Components. <i>Journal of Biogeography</i> , 1995, 22, 281.	1.4	37
40	Estimates of Douglas-fir fine root production and mortality from minirhizotrons. <i>Forest Ecology and Management</i> , 2005, 204, 359-370.	1.4	34
41	Effects of folate in culture medium on common fragile sites in lymphocyte chromosomes from normal and leukemic children. <i>Human Genetics</i> , 1988, 81, 9-12.	1.8	30
42	Propagation of error and bias in half-life estimates based on two measurements. <i>Archives of Environmental Contamination and Toxicology</i> , 1989, 18, 508-514.	2.1	26
43	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> , 1994, 144, 153-177.	3.9	26
44	CO <sub>2</sub> and N-fertilization effects on fine-root length, production, and mortality: a 4-year ponderosa pine study. <i>Oecologia</i> , 2006, 148, 517-525.	0.9	25
45	Optimizing minirhizotron sample frequency for an evergreen and deciduous tree species. <i>New Phytologist</i> , 2003, 157, 155-161.	3.5	20
46	Human exposure to polychlorinated biphenyls in greater New Bedford, Massachusetts: A prevalence study. <i>Archives of Environmental Contamination and Toxicology</i> , 1991, 20, 410-416.	2.1	19
47	Fine root growth and mortality in different-aged ponderosa pine stands. <i>Canadian Journal of Forest Research</i> , 2008, 38, 1797-1806.	0.8	19
48	Bole water content shows little seasonal variation in century-old Douglas-fir trees. <i>Tree Physiology</i> , 2007, 27, 737-747.	1.4	17
49	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> , 2007, 30, 1400-1410.	2.8	17
50	Testing the niche variation hypothesis with a measure of body condition. <i>Oikos</i> , 2015, 124, 732-740.	1.2	17
51	Minirhizotron installation in sandy, rocky soils with minimal soil disturbance. <i>Soil Science Society of America Journal</i> , 2000, 64, 761-764.	1.2	16
52	The carbon dioxide leakage from chambers measured using sulfur hexafluoride. <i>Environmental and Experimental Botany</i> , 2000, 43, 101-110.	2.0	15
53	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> , 2007, 143, 30-48.	1.9	12
54	Elevated CO <sub>2</sub> and O <sub>3</sub> effects on fine-root survivorship in ponderosa pine mesocosms. <i>Oecologia</i> , 2009, 160, 827-837.	0.9	11

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55	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> , 2005, 19, 43-50.	0.9	10
56	Sapwood moisture in Douglas-fir boles and seasonal changes in soil water. <i>Canadian Journal of Forest Research</i> , 2007, 37, 1263-1271.	0.8	9
57	Internal temperature of Douglas-fir buds is altered at elevated temperature. <i>Environmental and Experimental Botany</i> , 1999, 41, 25-30.	2.0	6
58	Food resource partitioning in syntopic nectarivorous bats on Puerto Rico. <i>Journal of Tropical Ecology</i> , 2014, 30, 359-369.	0.5	3
59	Selection of a Base Serum for the Preparation of Quality Control Pools Containing Environmental Analytes. <i>Analytical Letters</i> , 1992, 25, 21-36.	1.0	2
60	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> , 1997, 1, 363-383.	1.0	2
61	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> , 2009, 29, 1381-1393.	1.4	2
62	Possible approaches to establishing interlaboratory comparability of measurements of polychlorinated biphenyls in human serum. <i>Analytica Chimica Acta</i> , 1991, 251, 281-289.	2.6	1
63	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> , 1995, 1, 363-383.	1.0	0