

Donald L Phillips

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Quantitative assessment of Pb sources in isotopic mixtures using a Bayesian mixing model. <i>Scientific Reports</i> , 2018 , 8, 6154	4.9	20
62	Analyzing mixing systems using a new generation of Bayesian tracer mixing models. <i>PeerJ</i> , 2018 , 6, e50961	3.1	308
61	Testing the niche variation hypothesis with a measure of body condition. <i>Oikos</i> , 2015 , 124, 732-740	4	15
60	Best practices for use of stable isotope mixing models in food-web studies. <i>Canadian Journal of Zoology</i> , 2014 , 92, 823-835	1.5	621
59	Food resource partitioning in syntopic nectarivorous bats on Puerto Rico. <i>Journal of Tropical Ecology</i> , 2014 , 30, 359-369	1.3	3
58	Bayesian stable isotope mixing models. <i>Environmetrics</i> , 2013 , 24, n/a-n/a	1.3	211
57	Converting isotope values to diet composition: the use of mixing models. <i>Journal of Mammalogy</i> , 2012 , 93, 342-352	1.8	206
56	Willamette River Basin surface water isoscape ($\delta^{18}O$ and δ^2H): temporal changes of source water within the river. <i>Ecosphere</i> , 2012 , 3, art39	3.1	45
55	A quantitative approach to combine sources in stable isotope mixing models. <i>Ecosphere</i> , 2011 , 2, art19	3.1	40
54	Seasonal and long-term effects of CO ₂ and O ₃ on water loss in ponderosa pine and their interaction with climate and soil moisture. <i>Tree Physiology</i> , 2009 , 29, 1381-93	4.2	2
53	Mangrove-Exported Nutrient Incorporation by Sessile Coral Reef Invertebrates. <i>Ecosystems</i> , 2009 , 12, 462-472	3.9	63
52	Elevated CO ₂ and O ₃ effects on fine-root survivorship in ponderosa pine mesocosms. <i>Oecologia</i> , 2009 , 160, 827-37	2.9	8
51	Fine root growth and mortality in different-aged ponderosa pine stands. <i>Canadian Journal of Forest Research</i> , 2008 , 38, 1797-1806	1.9	17
50	A niche for isotopic ecology. <i>Frontiers in Ecology and the Environment</i> , 2007 , 5, 429-436	5.5	511
49	Elevated CO ₂ and temperature alter net ecosystem C exchange in a young Douglas fir mesocosm experiment. <i>Plant, Cell and Environment</i> , 2007 , 30, 1400-10	8.4	16
48	Bole water content shows little seasonal variation in century-old Douglas-fir trees. <i>Tree Physiology</i> , 2007 , 27, 737-47	4.2	16
47	Sapwood moisture in Douglas-fir boles and seasonal changes in soil water. <i>Canadian Journal of Forest Research</i> , 2007 , 37, 1263-1271	1.9	9

46	Elevated temperature, soil moisture and seasonality but not CO2 affect canopy assimilation and system respiration in seedling Douglas-fir ecosystems. <i>Agricultural and Forest Meteorology</i> , 2007 , 143, 30-48	5.8	11
45	A niche for isotopic ecology. <i>Frontiers in Ecology and the Environment</i> , 2007 , 5, 429	5.5	343
44	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	5.5	52
43	Effects of elevated CO2 on fine root dynamics in a Mojave Desert community: a FACE study. <i>Global Change Biology</i> , 2006 , 12, 61-73	11.4	42
42	Gap size and succession in cutover southern Appalachian forests: an 18 year study of vegetation dynamics. <i>Plant Ecology</i> , 2006 , 185, 299-318	1.7	37
41	Estimating the timing of diet shifts using stable isotopes. <i>Oecologia</i> , 2006 , 147, 195-203	2.9	162
40	CO2 and N-fertilization effects on fine-root length, production, and mortality: a 4-year ponderosa pine study. <i>Oecologia</i> , 2006 , 148, 517-25	2.9	21
39	Estimates of Douglas-fir fine root production and mortality from minirhizotrons. <i>Forest Ecology and Management</i> , 2005 , 204, 359-370	3.9	27
38	Independent and contrasting effects of elevated CO2 and N-fertilization on root architecture in <i>Pinus ponderosa</i> . <i>Trees - Structure and Function</i> , 2005 , 19, 43-50	2.6	9
37	Combining sources in stable isotope mixing models: alternative methods. <i>Oecologia</i> , 2005 , 144, 520-7	2.9	573
36	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	2.9	116
35	Source partitioning using stable isotopes: coping with too many sources. <i>Oecologia</i> , 2003 , 136, 261-9	2.9	1412
34	Optimizing minirhizotron sample frequency for an evergreen and deciduous tree species. <i>New Phytologist</i> , 2003 , 157, 155-161	9.8	18
33	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	1.5	92
32	Incorporating concentration dependence in stable isotope mixing models: a reply to Robbins, Hilderbrand and Farley (2002). <i>Oecologia</i> , 2002 , 133, 14-18	2.9	54
31	Incorporating concentration dependence in stable isotope mixing models. <i>Oecologia</i> , 2002 , 130, 114-125.	2.9	545
30	Mixing models in analyses of diet using multiple stable isotopes: a critique. <i>Oecologia</i> , 2001 , 127, 166-170.	2.9	337
29	Uncertainty in source partitioning using stable isotopes. <i>Oecologia</i> , 2001 , 127, 171-179	2.9	966

28	Uncertainty in source partitioning using stable isotopes. <i>Oecologia</i> , 2001 , 128, 304	2.9	23
27	Elevated CO ₂ and conifer roots: effects on growth, life span and turnover. <i>New Phytologist</i> , 2000 , 147, 87-103	9.8	120
26	The carbon dioxide leakage from chambers measured using sulfur hexafluoride. <i>Environmental and Experimental Botany</i> , 2000 , 43, 101-110	5.9	12
25	Minirhizotron installation in sandy, rocky soils with minimal soil disturbance. <i>Soil Science Society of America Journal</i> , 2000 , 64, 761-764	2.5	15
24	Internal temperature of Douglas-fir buds is altered at elevated temperature. <i>Environmental and Experimental Botany</i> , 1999 , 41, 25-30	5.9	6
23	Effects of elevated CO ₂ 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	5.9	51
22	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	3.9	2
21	USE OF AUXILIARY DATA FOR SPATIAL INTERPOLATION OF OZONE EXPOSURE IN SOUTHEASTERN FORESTS. <i>Environmetrics</i> , 1997 , 8, 43-61	1.3	48
20	Spatial uncertainty analysis: propagation of interpolation errors in spatially distributed models. <i>Ecological Modelling</i> , 1996 , 91, 213-229	3	59
19	Sensitivity of the US corn belt to climate change and elevated CO ₂ : I. Corn and soybean yields. <i>Agricultural Systems</i> , 1996 , 52, 481-502	6.1	48
18	Sensitivity of the US corn belt to climate change and elevated CO ₂ : II. Soil erosion and organic carbon. <i>Agricultural Systems</i> , 1996 , 52, 503-521	6.1	52
17	A Versatile Sun-lit Controlled-Environment Facility for Studying Plant and Soil Processes. <i>Journal of Environmental Quality</i> , 1996 , 25, 614-625	3.4	75
16	Effects of elevated CO ₂ and nitrogen on the synchrony of shoot and root growth in ponderosa pine. <i>Tree Physiology</i> , 1996 , 16, 905-914	4.2	64
15	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	3.9	
14	Effects of Elevated CO ₂ and Nitrogen on Ponderosa Pine Fine Roots and Associated Fungal Components. <i>Journal of Biogeography</i> , 1995 , 22, 281	4.1	24
13	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, 153-77	10.2	24
12	Selection of a Base Serum for the Preparation of Quality Control Pools Containing Environmental Analytes. <i>Analytical Letters</i> , 1992 , 25, 21-36	2.2	2
11	A comparison of geostatistical procedures for spatial analysis of precipitation in mountainous terrain. <i>Agricultural and Forest Meteorology</i> , 1992 , 58, 119-141	5.8	236

10	Possible approaches to establishing interlaboratory comparability of measurements of polychlorinated biphenyls in human serum. <i>Analytica Chimica Acta</i> , 1991 , 251, 281-289	6.6	1
9	Human exposure to polychlorinated biphenyls in Greater New Bedford, Massachusetts: a prevalence study. <i>Archives of Environmental Contamination and Toxicology</i> , 1991 , 20, 410-6	3.2	18
8	Patch-Size Effects on Early Succession in Southern Appalachian Forests. <i>Ecology</i> , 1990 , 71, 204-212	4.6	103
7	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, 165-71	3.2	181
6	Half-life of polychlorinated biphenyls in occupationally exposed workers. <i>Archives of Environmental Health</i> , 1989 , 44, 351-4		88
5	Pentachlorophenol measurements in body fluids of people in log homes and workplaces. <i>Archives of Environmental Contamination and Toxicology</i> , 1989 , 18, 475-81	3.2	61
4	Chlorinated hydrocarbon levels in human serum: effects of fasting and feeding. <i>Archives of Environmental Contamination and Toxicology</i> , 1989 , 18, 495-500	3.2	685
3	Propagation of error and bias in half-life estimates based on two measurements. <i>Archives of Environmental Contamination and Toxicology</i> , 1989 , 18, 508-14	3.2	20
2	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	6.3	30
1	Competition and Spacing Patterns in Desert Shrubs. <i>Journal of Ecology</i> , 1981 , 69, 97	6	156