

Melany C Fisk

List of Publications by Year in descending order

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68
papers

4,017
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94381

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#	ARTICLE	IF	CITATIONS
1	TOPOGRAPHIC PATTERNS OF ABOVE- AND BELOWGROUND PRODUCTION AND NITROGEN CYCLING IN ALPINE TUNDRA. <i>Ecology</i> , 1998, 79, 2253-2266.	1.5	229
2	Ecosystem Consequences of Exotic Earthworm Invasion of North Temperate Forests. <i>Ecosystems</i> , 2004, 7, 1-12.	1.6	228
3	Title is missing!. <i>Biogeochemistry</i> , 2001, 53, 201-223.	1.7	193
4	SEASONAL PARTITIONING OF NITROGEN BY PLANTS AND SOIL MICROORGANISMS IN AN ALPINE ECOSYSTEM. <i>Ecology</i> , 1999, 80, 1883-1891.	1.5	191
5	Influence of Earthworm Invasion on Redistribution and Retention of Soil Carbon and Nitrogen in Northern Temperate Forests. <i>Ecosystems</i> , 2004, 7, 13-27.	1.6	176
6	Snow depth, soil freezing and nitrogen cycling in a northern hardwood forest landscape. <i>Biogeochemistry</i> , 2011, 102, 223-238.	1.7	122
7	Climate Variation and Soil Carbon and Nitrogen Cycling Processes in a Northern Hardwood Forest. <i>Ecosystems</i> , 2009, 12, 927-943.	1.6	117
8	Long-Term Integrated Studies Show Complex and Surprising Effects of Climate Change in the Northern Hardwood Forest. <i>BioScience</i> , 2012, 62, 1056-1066.	2.2	117
9	Influence of nonnative earthworms on mycorrhizal colonization of sugar maple (<i>Acer saccharum</i>). <i>New Phytologist</i> , 2003, 157, 145-153.	3.5	115
10	Nitrogen Mineralization and Microbial Biomass Nitrogen Dynamics in Three Alpine Tundra Communities. <i>Soil Science Society of America Journal</i> , 1995, 59, 1036-1043.	1.2	111
11	Physiological and production responses of plant growth forms to increases in limiting resources in alpine tundra: implications for differential community response to environmental change. <i>Oecologia</i> , 1995, 101, 217-227.	0.9	110
12	Exotic Earthworm Invasion and Microbial Biomass in Temperate Forest Soils. <i>Ecosystems</i> , 2004, 7, 45-54.	1.6	103
13	Exotic earthworms alter soil microbial community composition and function. <i>Soil Biology and Biochemistry</i> , 2013, 67, 263-270.	4.2	99
14	Earthworm Invasion, Fine-root Distributions, and Soil Respiration in North Temperate Forests. <i>Ecosystems</i> , 2004, 7, 55-62.	1.6	93
15	Carbon mineralization is promoted by phosphorus and reduced by nitrogen addition in the organic horizon of northern hardwood forests. <i>Soil Biology and Biochemistry</i> , 2015, 81, 212-218.	4.2	92
16	Soil nitrogen affects phosphorus recycling: foliar resorption and plantâ€“soil feedbacks in a northern hardwood forest. <i>Ecology</i> , 2015, 96, 2488-2498.	1.5	88
17	Winter climate change affects growingâ€“season soil microbial biomass and activity in northern hardwood forests. <i>Global Change Biology</i> , 2014, 20, 3568-3577.	4.2	87
18	Effects of Exotic Earthworms on Soil Phosphorus Cycling in Two Broadleaf Temperate Forests. <i>Ecosystems</i> , 2004, 7, 28-44.	1.6	82

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19	Influence of earthworm invasion on soil microbial biomass and activity in a northern hardwood forest. <i>Soil Biology and Biochemistry</i> , 2002, 34, 1929-1937.	4.2	80
20	Nitrogen oligotrophication in northern hardwood forests. <i>Biogeochemistry</i> , 2018, 141, 523-539.	1.7	80
21	Calcium Additions and Microbial Nitrogen Cycle Processes in a Northern Hardwood Forest. <i>Ecosystems</i> , 2006, 9, 1289-1305.	1.6	77
22	Microbial responses to nitrogen additions in alpine tundra soil. <i>Soil Biology and Biochemistry</i> , 1996, 28, 751-755.	4.2	75
23	Earthworm effects on the incorporation of litter C and N into soil organic matter in a sugar maple forest. <i>Ecological Applications</i> , 2013, 23, 1185-1201.	1.8	72
24	Earthworms increase soil microbial biomass carrying capacity and nitrogen retention in northern hardwood forests. <i>Soil Biology and Biochemistry</i> , 2015, 87, 51-58.	4.2	71
25	NITROGEN STORAGE AND CYCLING IN OLD- AND SECOND-GROWTH NORTHERN HARDWOOD FORESTS. <i>Ecology</i> , 2002, 83, 73-87.	1.5	70
26	Transport of Carbon and Nitrogen Between Litter and Soil Organic Matter in a Northern Hardwood Forest. <i>Ecosystems</i> , 2011, 14, 326-340.	1.6	69
27	Climate change decreases nitrogen pools and mineralization rates in northern hardwood forests. <i>Ecosphere</i> , 2016, 7, e01251.	1.0	67
28	Phosphorus limitation of aboveground production in northern hardwood forests. <i>Ecology</i> , 2018, 99, 438-449.	1.5	65
29	Differential sensitivity to climate change of C and N cycling processes across soil horizons in a northern hardwood forest. <i>Soil Biology and Biochemistry</i> , 2017, 107, 77-84.	4.2	63
30	Earthworms increase the ratio of bacteria to fungi in northern hardwood forest soils, primarily by eliminating the organic horizon. <i>Soil Biology and Biochemistry</i> , 2011, 43, 2135-2141.	4.2	58
31	Fine root decomposition, nutrient mobilization and fungal communities in a pine forest ecosystem. <i>Soil Biology and Biochemistry</i> , 2015, 83, 76-83.	4.2	57
32	Belowground insights into nutrient limitation in northern hardwood forests. <i>Biogeochemistry</i> , 2010, 97, 109-121.	1.7	54
33	Phosphate additions have no effect on microbial biomass and activity in a northern hardwood forest. <i>Soil Biology and Biochemistry</i> , 2011, 43, 2441-2449.	4.2	49
34	Estimating the biomass of microbial functional groups using rates of growth-related soil respiration. <i>Soil Biology and Biochemistry</i> , 1996, 28, 1569-1577.	4.2	45
35	Synergistic soil response to nitrogen plus phosphorus fertilization in hardwood forests. <i>Biogeochemistry</i> , 2014, 118, 195-204.	1.7	45
36	Experimental snowpack reduction alters organic matter and net N mineralization potential of soil macroaggregates in a northern hardwood forest. <i>Biology and Fertility of Soils</i> , 2008, 45, 1-10.	2.3	44

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37	Soil Nitrogen Availability Affects Belowground Carbon Allocation and Soil Respiration in Northern Hardwood Forests of New Hampshire. <i>Ecosystems</i> , 2015, 18, 1179-1191.	1.6	44
38	Earthworms, litter and soil carbon in a northern hardwood forest. <i>Biogeochemistry</i> , 2013, 114, 269-280.	1.7	34
39	Reduced snow cover alters root-microbe interactions and decreases nitrification rates in a northern hardwood forest. <i>Ecology</i> , 2016, 97, 3359-3368.	1.5	34
40	Nitrate and dissolved organic carbon mobilization in response to soil freezing variability. <i>Biogeochemistry</i> , 2016, 131, 35-47.	1.7	33
41	Identifying roots of northern hardwood species: patterns with diameter and depth. <i>Canadian Journal of Forest Research</i> , 2008, 38, 2862-2869.	0.8	32
42	Soil Ca alters processes contributing to C and N retention in the Oa/A horizon of a northern hardwood forest. <i>Biogeochemistry</i> , 2017, 132, 343-357.	1.7	30
43	Calcium constrains plant control over forest ecosystem nitrogen cycling. <i>Ecology</i> , 2011, 92, 2035-2042.	1.5	29
44	Phosphatase activity is related to N availability but not P availability across hardwood forests in the northeastern United States. <i>Soil Biology and Biochemistry</i> , 2016, 94, 61-69.	4.2	29
45	Landscape variation in microarthropod response to calcium addition in a northern hardwood forest ecosystem. <i>Pedobiologia</i> , 2006, 50, 69-78.	0.5	23
46	Rhizosphere disturbance influences fungal colonization and community development on dead fine roots. <i>Plant and Soil</i> , 2011, 341, 279-293.	1.8	23
47	Calcium and phosphorus interact to reduce mid-growing season net nitrogen mineralization potential in organic horizons in a northern hardwood forest. <i>Soil Biology and Biochemistry</i> , 2011, 43, 271-279.	4.2	21
48	Fine root biomass declined in response to restoration of soil calcium in a northern hardwood forest. <i>Canadian Journal of Forest Research</i> , 2016, 46, 738-744.	0.8	20
49	Microscale Insight into Microbial Seed Banks. <i>Frontiers in Microbiology</i> , 2016, 7, 2040.	1.5	20
50	Invasion by Exotic Earthworms Alters Biodiversity and Communities of Litter- and Soil-dwelling Oribatid Mites. <i>Diversity</i> , 2011, 3, 155-175.	0.7	16
51	Response of forest soil respiration to nutrient addition depends on site fertility. <i>Biogeochemistry</i> , 2016, 127, 113-124.	1.7	15
52	Ground-Dwelling Beetle Responses to Long-Term Precipitation Alterations in a Hardwood Forest. <i>Southeastern Naturalist</i> , 2014, 13, 138-155.	0.2	14
53	A molecular approach to quantify root community composition in a northern hardwood forest "testing effects of root species, relative abundance, and diameter. <i>Canadian Journal of Forest Research</i> , 2010, 40, 836-841.	0.8	12
54	Earthworms Reduce Biotic 15-Nitrogen Retention in Northern Hardwood Forests. <i>Ecosystems</i> , 2015, 18, 328-342.	1.6	11

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55	Fire in a Thermic Oak-Pine Forest in Linville Gorge Wilderness Area, North Carolina: Importance of the Shrub Layer to Ecosystem Response. <i>Castanea</i> , 2007, 72, 92-104.	0.2	10
56	Carbon resources, soil organisms, and nitrogen availability: Landscape patterns in a northern hardwood forest. <i>Forest Ecology and Management</i> , 2010, 260, 1175-1183.	1.4	10
57	Roots Mediate the Effects of Snowpack Decline on Soil Bacteria, Fungi, and Nitrogen Cycling in a Northern Hardwood Forest. <i>Frontiers in Microbiology</i> , 2019, 10, 926.	1.5	9
58	Seasonal Partitioning of Nitrogen by Plants and Soil Microorganisms in an Alpine Ecosystem. <i>Ecology</i> , 1999, 80, 1883.	1.5	8
59	Effects of calcium silicate treatment on the composition of forest floor organic matter in a northern hardwood forest stand. <i>Biogeochemistry</i> , 2015, 122, 313-326.	1.7	8
60	Winter Climate Change Influences on Soil Faunal Distribution and Abundance: Implications for Decomposition in the Northern Forest. <i>Northeastern Naturalist</i> , 2017, 24, B209-B234.	0.1	8
61	Allocation and morphological responses to resource manipulations are unlikely to mitigate shade intolerance in <i>Houstonia montana</i> , a rare southern Appalachian herb. <i>Canadian Journal of Botany</i> , 2007, 85, 976-985.	1.2	6
62	Interactive Effects of White-Tailed Deer, an Invasive Shrub, and Exotic Earthworms on Leaf Litter Decomposition. <i>Ecosystems</i> , 2020, 23, 1523-1535.	1.6	6
63	Fine Root Growth Increases in Response to Nitrogen Addition in Phosphorus-limited Northern Hardwood Forests. <i>Ecosystems</i> , 2022, 25, 1589-1600.	1.6	6
64	Tracing carbon flow through a sugar maple forest and its soil components: role of invasive earthworms. <i>Plant and Soil</i> , 2021, 464, 517-537.	1.8	5
65	Growth of the rare southern appalachian endemic plant <i>houstonia montana</i> (Rubiaceae) in contrasting habitat types1. <i>Journal of the Torrey Botanical Society</i> , 2007, 134, 177-187.	0.1	3
66	A New Governance Structure for the Hubbard Brook Ecosystem Study. <i>Bulletin of the Ecological Society of America</i> , 2004, 85, 5-6.	0.2	2
67	TOPOGRAPHIC PATTERNS OF ABOVE- AND BELOWGROUND PRODUCTION AND NITROGEN CYCLING IN ALPINE TUNDRA. , 1998, 79, 2253.		1
68	Nitrogen Storage and Cycling in Old- and Second-Growth Northern Hardwood Forests. <i>Ecology</i> , 2002, 83, 73.	1.5	1