

Alison D Munson

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

2,512
citations

186265

28
h-index

214800

47
g-index

72
all docs

72
docs citations

72
times ranked

2784
citing authors

#	ARTICLE	IF	CITATIONS
1	The root of the matter: Linking root traits and soil organic matter stabilization processes. <i>Soil Biology and Biochemistry</i> , 2018, 120, 246-259.	8.8	219
2	Soil enzyme inhibition by condensed litter tannins may drive ecosystem structure and processes: the case of <i>Kalmia angustifolia</i> . <i>New Phytologist</i> , 2007, 175, 535-546.	7.3	147
3	Traits to stay, traits to move: a review of functional traits to assess sensitivity and adaptive capacity of temperate and boreal trees to climate change. <i>Environmental Reviews</i> , 2016, 24, 164-186.	4.5	146
4	Impact of precommercial thinning in balsam fir stands on soil nitrogen dynamics, microbial biomass, decomposition, and foliar nutrition. <i>Canadian Journal of Forest Research</i> , 2000, 30, 229-238.	1.7	145
5	Intensive Silvicultural Treatment: Impacts on Soil Fertility and Planted Conifer Response. <i>Soil Science Society of America Journal</i> , 1993, 57, 246-255.	2.2	108
6	A systematic literature review of the supply chain operations reference (SCOR) model application with special attention to environmental issues. <i>International Journal of Production Economics</i> , 2015, 169, 310-332.	8.9	108
7	Fine-root traits in the global spectrum of plant form and function. <i>Nature</i> , 2021, 597, 683-687.	27.8	102
8	Harvesting Intensity at Clear-Felling in the Boreal Forest. <i>Soil Science Society of America Journal</i> , 2006, 70, 691-701.	2.2	81
9	Response of northeastern North American forests to climate change: Will soil conditions constrain tree species migration?. <i>Environmental Reviews</i> , 2010, 18, 279-289.	4.5	77
10	The influence of partial harvesting and forest floor disturbance on nutrient availability and understory vegetation in boreal mixedwoods. <i>Canadian Journal of Forest Research</i> , 2003, 33, 1180-1188.	1.7	69
11	Spatial patterns of soil microclimate, light, regeneration, and growth within silvicultural gaps of mixed tolerant hardwood–white pine stands. <i>Canadian Journal of Forest Research</i> , 2006, 36, 639-651.	1.7	68
12	Do temperate tree species diversity and identity influence soil microbial community function and composition?. <i>Ecology and Evolution</i> , 2017, 7, 7965-7974.	1.9	64
13	Site-specific growth and nutrition of planted <i>Picea mariana</i> in the Ontario Clay Belt. IV. Nitrogen loading response. <i>Canadian Journal of Forest Research</i> , 1991, 21, 1058-1065.	1.7	57
14	Chemical composition of forest floor and consequences for nutrient availability after wildfire and harvesting in the boreal forest. <i>Plant and Soil</i> , 2008, 308, 37-53.	3.7	56
15	Black spruce seedlings in a <i>Kalmia–Vaccinium</i> association: microsite manipulation to explore interactions in the field. <i>Canadian Journal of Forest Research</i> , 2004, 34, 1657-1668.	1.7	53
16	Performance and physiology of large containerized and bare-root spruce seedlings in relation to scarification and competition in Québec (Canada). <i>Annals of Forest Science</i> , 2003, 60, 645-655.	2.0	50
17	Ten-Year Responses of Soil Quality and Conifer Growth to Silvicultural Treatments. <i>Soil Science Society of America Journal</i> , 2000, 64, 1815-1826.	2.2	43
18	Soil nitrogen dynamics and nutrition of pine following silvicultural treatments in boreal and Great Lakes-St. Lawrence plantations. <i>Forest Ecology and Management</i> , 1995, 76, 169-179.	3.2	41

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19	Silvicultural options to promote seedling establishment on <i>Kalmia</i> – <i>Vaccinium</i> -dominated sites. <i>Scandinavian Journal of Forest Research</i> , 2005, 20, 110-121.	1.4	40
20	Landscape aesthetic modelling using Bayesian networks: Conceptual framework and participatory indicator weighting. <i>Landscape and Urban Planning</i> , 2019, 185, 258-271.	7.5	40
21	Managing data locally to answer questions globally: The role of collaborative science in ecology. <i>Journal of Vegetation Science</i> , 2020, 31, 509-517.	2.2	37
22	Physico-chemical and functional characteristics of soil charcoal produced at five different temperatures. <i>Soil Biology and Biochemistry</i> , 2013, 58, 140-146.	8.8	36
23	Species and root traits impact macroaggregation in the rhizospheric soil of a Mediterranean common garden experiment. <i>Plant and Soil</i> , 2018, 424, 289-302.	3.7	36
24	Nitrogen and phosphorus release from humus and mineral soil under black spruce forests in central Quebec. <i>Soil Biology and Biochemistry</i> , 1998, 30, 1491-1500.	8.8	34
25	How do forest harvesting methods compare with wildfire? A case study of soil chemistry and tree nutrition in the boreal forest. <i>Canadian Journal of Forest Research</i> , 2007, 37, 1658-1668.	1.7	34
26	Geographic scale and disturbance influence intraspecific trait variability in leaves and roots of North American understorey plants. <i>Functional Ecology</i> , 2019, 33, 1771-1784.	3.6	34
27	Mechanisms of interaction between <i>Kalmia angustifolia</i> cover and <i>Picea mariana</i> seedlings. <i>Canadian Journal of Forest Research</i> , 2002, 32, 2022-2031.	1.7	31
28	Managing Understorey Vegetation for Maintaining Productivity in Black Spruce Forests: A Synthesis within a Multi-Scale Research Model. <i>Forests</i> , 2013, 4, 613-631.	2.1	31
29	Comparing natural and planted black spruce seedlings. II. Nutrient uptake and efficiency of use. <i>Canadian Journal of Forest Research</i> , 1993, 23, 2435-2442.	1.7	29
30	Leaf level response of planted eastern white pine (<i>Pinus strobus</i> L.) seven years after intensive silvicultural treatments. <i>Forest Ecology and Management</i> , 1998, 107, 291-307.	3.2	24
31	Optimum Nutrient Concentrations and CND Scores of Mature White Spruce Determined Using a Boundary-Line Approach and Spatial Variation of Tree Growth and Nutrition. <i>Journal of Plant Nutrition</i> , 2006, 29, 1999-2018.	1.9	24
32	Carbon storage in agroforestry systems in the semi-arid zone of Niayes, Senegal. <i>Agroforestry Systems</i> , 2017, 91, 941-954.	2.0	24
33	Functional Diversity: An Epistemic Roadmap. <i>BioScience</i> , 2019, 69, 800-811.	4.9	23
34	Combined influence of fire and salvage logging on carbon and nitrogen storage in boreal forest soil profiles. <i>Forest Ecology and Management</i> , 2014, 326, 133-141.	3.2	22
35	Site-specific growth and nutrition of planted <i>Picea mariana</i> in the Ontario Clay Belt. III. Biomass and nutrient allocation. <i>Canadian Journal of Forest Research</i> , 1990, 20, 1165-1171.	1.7	21
36	Ericaceous shrubs affect black spruce physiology independently from inherent site fertility. <i>Forest Ecology and Management</i> , 2010, 260, 219-228.	3.2	20

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37	Title is missing!. Plant and Soil, 2001, 236, 165-174.	3.7	19
38	Comparing large containerized and bareroot conifer stock on sites of contrasting vegetation composition in a non-herbicide scenario. New Forests, 2014, 45, 875-891.	1.7	19
39	Quality of Biochars Made from Eucalyptus Tree Bark and Corncob Using a Pilot-Scale Retort Kiln. Waste and Biomass Valorization, 2018, 9, 899-909.	3.4	19
40	Tree species richness and water availability interact to affect soil microbial processes. Soil Biology and Biochemistry, 2021, 155, 108180.	8.8	18
41	Growth and physiological response of eastern white pine seedlings to partial cutting and site preparation. Forest Ecology and Management, 2007, 240, 151-164.	3.2	17
42	Comparative physiological responses of Rhododendron groenlandicum and regenerating Picea mariana following partial canopy removal in northeastern Quebec, Canada. Canadian Journal of Forest Research, 2010, 40, 1791-1802.	1.7	17
43	Evergreenness influences fine root growth more than tree diversity in a common garden experiment. Oecologia, 2019, 189, 1027-1039.	2.0	15
44	Comparing height growth and biomass production of black spruce trees in logged and burned stands. Forest Ecology and Management, 2004, 193, 371-384.	3.2	14
45	Soil Carbon Stocks and Carbon Stability in a Twenty-Year Old Temperate Plantation. Soil Science Society of America Journal, 2010, 74, 1775-1785.	2.2	14
46	Partial harvesting in boreal mixedwoods: A case for planned heterogeneity in industrial silvicultural prescriptions. Forest Ecology and Management, 2015, 358, 291-302.	3.2	14
47	Washing procedure for mixed-bed ion exchange resin decontamination for in situ nutrient adsorption. Communications in Soil Science and Plant Analysis, 2000, 31, 543-546.	1.4	13
48	Ecological controls on post-fire vegetation assembly at multiple spatial scales in eastern North American boreal forests. Journal of Vegetation Science, 2015, 26, 360-372.	2.2	13
49	Early-season fires in boreal black spruce forests produce pyrogenic carbon with low intrinsic recalcitrance. Ecology, 2015, 96, 1575-1585.	3.2	12
50	The inhibition of ammonium uptake in excised birch (Betula pendula) roots by batatasin-III. Physiologia Plantarum, 2001, 113, 368-376.	5.2	10
51	Anthropogenic Disturbances Create a New Vegetation Toposequence in the Gatineau River Valley, Quebec. Forests, 2016, 7, 254.	2.1	10
52	Silvicultural treatments and subsequent vegetation impact long-term mineral soil biogeochemistry in mixedwood plantations. Forest Ecology and Management, 2016, 368, 140-150.	3.2	10
53	Soil and plant legacies associated with harvest trails in boreal black spruce forests. Forest Ecology and Management, 2012, 269, 168-176.	3.2	9
54	Total and pyrogenic carbon stocks in black spruce forest floors from eastern Canada. Organic Geochemistry, 2015, 82, 1-11.	1.8	9

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55	Repeated thinning treatments reduce long-term soil carbon and nitrogen storage: an 87-year study at the Petawawa Research Forest, Canada. <i>Canadian Journal of Forest Research</i> , 2021, 51, 190-197.	1.7	8
56	Above- and belowground drivers of intraspecific trait variability across subcontinental gradients for five ubiquitous forest plants in North America. <i>Journal of Ecology</i> , 2022, 110, 1590-1605.	4.0	8
57	Site-specific growth and nutrition of planted <i>Picea mariana</i> in the Ontario Clay Belt. V. Humus Nitrogen Availability. <i>Canadian Journal of Forest Research</i> , 1991, 21, 1194-1199.	1.7	7
58	Use of Spectral Analysis to Detect Changes in Spatial Variability of Forest Floor Properties. <i>Soil Science Society of America Journal</i> , 2006, 70, 439-447.	2.2	7
59	Does trait plasticity of three boreal nutrient-conserving species relate to their competitive ability?. <i>Ecoscience</i> , 2011, 18, 382-393.	1.4	7
60	Field Photosynthesis Measurements on Black Spruce (<i>Picea mariana</i>): Does Needle Age Matter?. <i>Communications in Soil Science and Plant Analysis</i> , 2011, 42, 2738-2750.	1.4	7
61	Wildfire and forest harvest disturbances in the boreal forest leave different long-lasting spatial signatures. <i>Plant and Soil</i> , 2013, 364, 39-54.	3.7	7
62	Tree identity and diversity directly affect soil moisture and temperature but not soil carbon ten years after planting. <i>Ecology and Evolution</i> , 2022, 12, e8509.	1.9	7
63	Common challenges for ecological modelling: Synthesis of facilitated discussions held at the symposia organized for the 2009 conference of the International Society for Ecological Modelling in Quebec City, Canada, (October 6-9, 2009). <i>Ecological Modelling</i> , 2011, 222, 2456-2468.	2.5	6
64	Investigating the soil acid-base status in managed boreal forests using the SAFE model. <i>Ecological Modelling</i> , 2007, 206, 301-321.	2.5	5
65	The relative weight of ontogeny, topology and climate in the architectural development of three North American conifers. <i>AoB PLANTS</i> , 2018, 10, ply045.	2.3	5
66	Seedling Response to Simulated Browsing and Reduced Water Availability: Insights for Assisted Migration Plantations. <i>Forests</i> , 2021, 12, 1396.	2.1	4
67	Tree species identity drives nutrient use efficiency in young mixed-species plantations, at both high and low water availability. <i>Functional Ecology</i> , 2022, 36, 2069-2083.	3.6	3
68	Adoption of an improved fallow practice using <i>Acacia auriculiformis</i> on the Batéké Plateau in the Democratic Republic of the Congo. <i>Agroforestry Systems</i> , 2020, 94, 1047-1058.	2.0	2
69	Response of Fine Roots to Fertilized Ingrowth Cores in Burned and Harvested Black Spruce Ecosystems. <i>Communications in Soil Science and Plant Analysis</i> , 2005, 36, 1361-1372.	1.4	1
70	Spectral analysis discerns pattern and feedback in natural and anthropogenic disturbed boreal black spruce forests. <i>Oikos</i> , 2012, 121, 772-782.	2.7	1
71	Understorey Species Identity Rather than Species Richness Influences Fine Root Decomposition in a Temperate Plantation. <i>Forests</i> , 2020, 11, 1091.	2.1	1