Alison D Munson

List of Publications by Year
in descending order

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	Tree identity and diversity directly affect soil moisture and temperature but not soil carbon ten years after planting. Ecology and Evolution, 2022, 12, e8509.	1.9	7
2	Aboveâ€•and belowground drivers of intraspecific trait variability across subcontinental gradients for five ubiquitous forest plants in North America. Journal of Ecology, 2022, 110, 1590-1605.	4.0	8
3	Tree species identity drives nutrient use efficiency in young mixedâ€‹species plantations, at both high and low water availability. Functional Ecology, 2022, 36, 2069-2083.	3.6	3
4	Repeated thinning treatments reduce long-term soil carbon and nitrogen storage: an 87-year study at the Petawawa Research Forest, Canada. Canadian Journal of Forest Research, 2021, 51, 190-197.	1.7	8
5	Tree species richness and water availability interact to affect soil microbial processes. Soil Biology and Biochemistry, 2021, 155, 108180.	8.8	18
6	Fine-root traits in the global spectrum of plant form and function. Nature, 2021, 597, 683-687.	27.8	102
7	Seedling Response to Simulated Browsing and Reduced Water Availability: Insights for Assisted Migration Plantations. Forests, 2021, 12, 1396.	2.1	4
8	Adoption of an improved fallow practice using Acacia auriculiformis on the BatÃ©kÃ© Plateau in the Democratic Republic of the Congo. Agroforestry Systems, 2020, 94, 1047-1058.	2.0	2
9	Managing data locally to answer questions globally: The role of collaborative science in ecology. Journal of Vegetation Science, 2020, 31, 509-517.	2.2	37
10	Understory Species Identity Rather than Species Richness Influences Fine Root Decomposition in a Temperate Plantation. Forests, 2020, 11, 1091.	2.1	1
11	Geographic scale and disturbance influence intraspecific trait variability in leaves and roots of North American understorey plants. Functional Ecology, 2019, 33, 1771-1784.	3.6	34
12	Functional Diversity: An Epistemic Roadmap. BioScience, 2019, 69, 800-811.	4.9	23
13	Evergreenness influences fine root growth more than tree diversity in a common garden experiment. Oecologia, 2019, 189, 1027-1039.	2.0	15
14	Landscape aesthetic modelling using Bayesian networks: Conceptual framework and participatory indicator weighting. Landscape and Urban Planning, 2019, 185, 258-271.	7.5	40
15	The root of the matter: Linking root traits and soil organic matter stabilization processes. Soil Biology and Biochemistry, 2018, 120, 246-259.	8.8	219
16	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
17	Species and root traits impact macroaggregation in the rhizospheric soil of a Mediterranean common garden experiment. Plant and Soil, 2018, 424, 289-302.	3.7	36
18	The relative weight of ontogeny, topology and climate in the architectural development of three North American conifers. AoB PLANTS, 2018, 10, ply045.	2.3	5

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19	Carbon storage in agroforestry systems in the semi-arid zone of Niayes, Senegal. Agroforestry Systems, 2017, 91, 941-954.	2.0	24
20	Do temperate tree species diversity and identity influence soil microbial community function and composition?. Ecology and Evolution, 2017, 7, 7965-7974.	1.9	64
21	Anthropogenic Disturbances Create a New Vegetation Toposequence in the Gatineau River Valley, Quebec. Forests, 2016, 7, 254.	2.1	10
22	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
23	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. Environmental Reviews, 2016, 24, 164-186.	4.5	146
24	Earlyâ€season fires in boreal black spruce forests produce pyrogenic carbon with low intrinsic recalcitrance. Ecology, 2015, 96, 1575-1585.	3.2	12
25	Ecological controls on postâ€fire vegetation assembly at multiple spatial scales in eastern <scp>N</scp>orth <scp>A</scp>merican boreal forests. Journal of Vegetation Science, 2015, 26, 360-372.	2.2	13
26	Total and pyrogenic carbon stocks in black spruce forest floors from eastern Canada. Organic Geochemistry, 2015, 82, 1-11.	1.8	9
27	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
28	A systematic literature review of the supply chain operations reference (SCOR) model application with special attention to environmental issues. International Journal of Production Economics, 2015, 169, 310-332.	8.9	108
29	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
30	Combined influence of fire and salvage logging on carbon and nitrogen storage in boreal forest soil profiles. Forest Ecology and Management, 2014, 326, 133-141.	3.2	22
31	Wildfire and forest harvest disturbances in the boreal forest leave different long-lasting spatial signatures. Plant and Soil, 2013, 364, 39-54.	3.7	7
32	Physico-chemical and functional characteristics of soil charcoal produced at five different temperatures. Soil Biology and Biochemistry, 2013, 58, 140-146.	8.8	36
33	Managing Understory Vegetation for Maintaining Productivity in Black Spruce Forests: A Synthesis within a Multi-Scale Research Model. Forests, 2013, 4, 613-631.	2.1	31
34	Soil and plant legacies associated with harvest trails in boreal black spruce forests. Forest Ecology and Management, 2012, 269, 168-176.	3.2	9
35	Spectral analysis discerns pattern and feedback in naturalâ€and anthropogenicâ€disturbed boreal black spruce forests. Oikos, 2012, 121, 772-782.	2.7	1
36	Does trait plasticity of three boreal nutrient-conserving species relate to their competitive ability?. Ecoscience, 2011, 18, 382-393.	1.4	7

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37	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 6â€“9, 2009). Ecological Modelling, 2011, 222, 2456-2468.	2.5	6
38	Field Photosynthesis Measurements on Black Spruce (Picea mariana): Does Needle Age Matter?. Communications in Soil Science and Plant Analysis, 2011, 42, 2738-2750.	1.4	7
39	Soil Carbon Stocks and Carbon Stability in a Twentyâ€Yearâ€Old Temperate Plantation. Soil Science Society of America Journal, 2010, 74, 1775-1785.	2.2	14
40	Response of northeastern North American forests to climate change: Will soil conditions constrain tree species migration?. Environmental Reviews, 2010, 18, 279-289.	4.5	77
41	Ericaceous shrubs affect black spruce physiology independently from inherent site fertility. Forest Ecology and Management, 2010, 260, 219-228.	3.2	20
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	Chemical composition of forest floor and consequences for nutrient availability after wildfire and harvesting in the boreal forest. Plant and Soil, 2008, 308, 37-53.	3.7	56
44	How do forest harvesting methods compare with wildfire? A case study of soil chemistry and tree nutrition in the boreal forest. Canadian Journal of Forest Research, 2007, 37, 1658-1668.	1.7	34
45	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
46	Soil enzyme inhibition by condensed litter tannins may drive ecosystem structure and processes: the case of Kalmia angustifolia. New Phytologist, 2007, 175, 535-546.	7.3	147
47	Investigating the soil acidâ€“base status in managed boreal forests using the SAFE model. Ecological Modelling, 2007, 206, 301-321.	2.5	5
48	Optimum Nutrient Concentrations and CND Scores of Mature White Spruce Determined Using a Boundary-Line Approach and Spatial Variation of Tree Growth and Nutrition. Journal of Plant Nutrition, 2006, 29, 1999-2018.	1.9	24
49	Harvesting Intensity at Clear-Felling in the Boreal Forest. Soil Science Society of America Journal, 2006, 70, 691-701.	2.2	81
50	Use of Spectral Analysis to Detect Changes in Spatial Variability of Forest Floor Properties. Soil Science Society of America Journal, 2006, 70, 439-447.	2.2	7
51	Spatial patterns of soil microclimate, light, regeneration, and growth within silvicultural gaps of mixed tolerant hardwood Â– white pine stands. Canadian Journal of Forest Research, 2006, 36, 639-651.	1.7	68
52	Response of Fine Roots to Fertilized Ingrowth Cores in Burned and Harvested Black Spruce Ecosystems. Communications in Soil Science and Plant Analysis, 2005, 36, 1361-1372.	1.4	1
53	Silvicultural options to promote seedling establishment on Kalmiaâ€“Vaccinium-dominated sites. Scandinavian Journal of Forest Research, 2005, 20, 110-121.	1.4	40
54	Black spruce seedlings in a KalmiaÂ–Vaccinium association: microsite manipulation to explore interactions in the field. Canadian Journal of Forest Research, 2004, 34, 1657-1668.	1.7	53

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55	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
56	The influence of partial harvesting and forest floor disturbance on nutrient availability and understory vegetation in boreal mixedwoods. Canadian Journal of Forest Research, 2003, 33, 1180-1188.	1.7	69
57	Performance and physiology of large containerized and bare-root spruce seedlings in relation to scarification and competition in Quï¿½bec (Canada). Annals of Forest Science, 2003, 60, 645-655.	2.0	50
58	Mechanisms of interaction between Kalmia angustifolia cover and Picea mariana seedlings. Canadian Journal of Forest Research, 2002, 32, 2022-2031.	1.7	31
59	The inhibition of ammonium uptake in excised birch (Betula pendula) roots by batatasin-III. Physiologia Plantarum, 2001, 113, 368-376.	5.2	10
60	Title is missing!. Plant and Soil, 2001, 236, 165-174.	3.7	19
61	Washing procedure for mixedâ€bed ion exchange resin decontamination for in situ nutrient adsorption. Communications in Soil Science and Plant Analysis, 2000, 31, 543-546.	1.4	13
62	Tenâ€Year Responses of Soil Quality and Conifer Growth to Silvicultural Treatments. Soil Science Society of America Journal, 2000, 64, 1815-1826.	2.2	43
63	Impact of precommercial thinning in balsam fir stands on soil nitrogen dynamics, microbial biomass, decomposition, and foliar nutrition. Canadian Journal of Forest Research, 2000, 30, 229-238.	1.7	145
64	Leaf level response of planted eastern white pine (Pinus strobus L.) seven years after intensive silvicultural treatments. Forest Ecology and Management, 1998, 107, 291-307.	3.2	24
65	Nitrogen and phosphorus release from humus and mineral soil under black spruce forests in central Quebec. Soil Biology and Biochemistry, 1998, 30, 1491-1500.	8.8	34
66	Soil nitrogen dynamics and nutrition of pine following silvicultural treatments in boreal and Great Lakes-St. Lawrence plantations. Forest Ecology and Management, 1995, 76, 169-179.	3.2	41
67	Intensive Silvicultural Treatment: Impacts on Soil Fertility and Planted Conifer Response. Soil Science Society of America Journal, 1993, 57, 246-255.	2.2	108
68	Comparing natural and planted black spruce seedlings. II. Nutrient uptake and efficiency of use. Canadian Journal of Forest Research, 1993, 23, 2435-2442.	1.7	29
69	Site-specific growth and nutrition of planted Piceamariana in the Ontario Clay Belt. V. Humus Nitrogen Availability. Canadian Journal of Forest Research, 1991, 21, 1194-1199.	1.7	7
70	Site-specific growth and nutrition of planted Piceamariana in the Ontario Clay Belt. IV. Nitrogen loading response. Canadian Journal of Forest Research, 1991, 21, 1058-1065.	1.7	57
71	Site-specific growth and nutrition of planted Piceamariana in the Ontario Clay Belt. III. Biomass and nutrient allocation. Canadian Journal of Forest Research, 1990, 20, 1165-1171.	1.7	21