

Simon M. LandhÃ¶usser

List of Publications by Year in descending order

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Version: 2024-02-01

137
papers

6,425
citations

76326

40
h-index

76900

74
g-index

139
all docs

139
docs citations

139
times ranked

6036
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A multi-species synthesis of physiological mechanisms in drought-induced tree mortality. <i>Nature Ecology and Evolution</i> , 2017, 1, 1285-1291. | 7.8 | 739 |
| 2 | A method for routine measurements of total sugar and starch content in woody plant tissues. <i>Tree Physiology</i> , 2004, 24, 1129-1136. | 3.1 | 472 |
| 3 | Forest restoration following surface mining disturbance: challenges and solutions. <i>New Forests</i> , 2015, 46, 703-732. | 1.7 | 265 |
| 4 | An analysis of sucker regeneration of trembling aspen. <i>Canadian Journal of Forest Research</i> , 2003, 33, 1169-1179. | 1.7 | 207 |
| 5 | Standardized protocols and procedures can precisely and accurately quantify non-structural carbohydrates. <i>Tree Physiology</i> , 2018, 38, 1764-1778. | 3.1 | 171 |
| 6 | Predicting landscape patterns of aspen dieback: mechanisms and knowledge gaps. <i>Canadian Journal of Forest Research</i> , 2004, 34, 1379-1390. | 1.7 | 170 |
| 7 | Non-structural carbohydrates in woody plants compared among laboratories. <i>Tree Physiology</i> , 2015, 35, tpv073. | 3.1 | 163 |
| 8 | Root carbon reserve dynamics in aspen seedlings: does simulated drought induce reserve limitation?. <i>Tree Physiology</i> , 2011, 31, 250-257. | 3.1 | 148 |
| 9 | A synthesis of tree functional traits related to drought-induced mortality in forests across climatic zones. <i>Journal of Applied Ecology</i> , 2017, 54, 1669-1686. | 4.0 | 148 |
| 10 | Seasonal changes in carbohydrate reserves in mature northern <i>Populus tremuloides</i> clones. <i>Trees - Structure and Function</i> , 2003, 17, 471-476. | 1.9 | 136 |
| 11 | Restoring forests: What constitutes success in the twenty-first century?. <i>New Forests</i> , 2015, 46, 601-614. | 1.7 | 135 |
| 12 | Postfire Vegetation Recovery and Tree Establishment at the Arctic Treeline: Climate-Change-Vegetation-Response Hypotheses. <i>Journal of Ecology</i> , 1993, 81, 665. | 4.0 | 122 |
| 13 | Growth of <i>Populus tremuloides</i> in association with <i>Calamagrostis canadensis</i> . <i>Canadian Journal of Forest Research</i> , 1998, 28, 396-401. | 1.7 | 121 |
| 14 | Identifying differences in carbohydrate dynamics of seedlings and mature trees to improve carbon allocation in models for trees and forests. <i>Environmental and Experimental Botany</i> , 2018, 152, 7-18. | 4.2 | 115 |
| 15 | Leaf area renewal, root retention and carbohydrate reserves in a clonal tree species following above-ground disturbance. <i>Journal of Ecology</i> , 2002, 90, 658-665. | 4.0 | 106 |
| 16 | Disturbance facilitates rapid range expansion of aspen into higher elevations of the Rocky Mountains under a warming climate. <i>Journal of Biogeography</i> , 2010, 37, 68-76. | 3.0 | 104 |
| 17 | Defoliation increases risk of carbon starvation in root systems of mature aspen. <i>Trees - Structure and Function</i> , 2012, 26, 653-661. | 1.9 | 104 |
| 18 | Effects of leaf litter on the growth of boreal feather mosses: Implication for forest floor development. <i>Journal of Vegetation Science</i> , 2008, 19, 253-260. | 2.2 | 100 |

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|----|---|-----|-----------|
| 19 | Low root reserve accumulation during drought may lead to winter mortality in poplar seedlings. <i>New Phytologist</i> , 2013, 198, 139-148. | 7.3 | 98 |
| 20 | Coarse and fine root respiration in aspen (<i>Populus tremuloides</i>). <i>Tree Physiology</i> , 2002, 22, 725-732. | 3.1 | 88 |
| 21 | Living on next to nothing: tree seedlings can survive weeks with very low carbohydrate concentrations. <i>New Phytologist</i> , 2018, 218, 107-118. | 7.3 | 69 |
| 22 | The handbook for standardized field and laboratory measurements in terrestrial climate change experiments and observational studies (ClimEx). <i>Methods in Ecology and Evolution</i> , 2020, 11, 22-37. | 5.2 | 68 |
| 23 | Variation in carbon availability, defense chemistry and susceptibility to fungal invasion along the stems of mature trees. <i>New Phytologist</i> , 2013, 197, 586-594. | 7.3 | 65 |
| 24 | A comparison of growth and physiology in <i>Picea glauca</i> and <i>Populus tremuloides</i> at different soil temperatures. <i>Canadian Journal of Forest Research</i> , 2001, 31, 1922-1929. | 1.7 | 64 |
| 25 | Carbohydrate transfer through root grafts to support shaded trees. <i>Tree Physiology</i> , 2006, 26, 1019-1023. | 3.1 | 62 |
| 26 | Signals controlling root suckering and adventitious shoot formation in aspen (<i>Populus</i>). <i>Tree Physiology</i> , 2010, 30, 462-470. | 3.1 | 60 |
| 27 | Differential transpiration by three boreal tree species in response to increased evaporative demand after variable retention harvesting. <i>Agricultural and Forest Meteorology</i> , 2006, 138, 104-119. | 4.8 | 59 |
| 28 | Atmospheric and soil moisture controls on evapotranspiration from above and within a Western Boreal Plain aspen forest. <i>Hydrological Processes</i> , 2014, 28, 4449-4462. | 2.6 | 59 |
| 29 | Stress differentially causes roots of tree seedlings to exude carbon. <i>Tree Physiology</i> , 2017, 37, 154-164. | 3.1 | 58 |
| 30 | Ecosystem dynamics and management after forest die-off: a global synthesis with conceptual state-and-transition models. <i>Ecosphere</i> , 2017, 8, e02034. | 2.2 | 56 |
| 31 | Trembling aspen seedling establishment, growth and response to fertilization on contrasting soils used in oil sands reclamation. <i>Canadian Journal of Soil Science</i> , 2012, 92, 143-151. | 1.2 | 54 |
| 32 | Hydraulic acclimation to shading in boreal conifers of varying shade tolerance. <i>Plant, Cell and Environment</i> , 2010, 33, 382-393. | 5.7 | 52 |
| 33 | Nonstructural carbohydrate dynamics of lodgepole pine dying from mountain pine beetle attack. <i>New Phytologist</i> , 2016, 209, 550-562. | 7.3 | 50 |
| 34 | Dying piece by piece: carbohydrate dynamics in aspen (<i>Populus tremuloides</i>) seedlings under severe carbon stress. <i>Journal of Experimental Botany</i> , 2017, 68, 5221-5232. | 4.8 | 49 |
| 35 | Partitioning of carbon allocation to reserves or growth determines future performance of aspen seedlings. <i>Forest Ecology and Management</i> , 2012, 275, 43-51. | 3.2 | 47 |
| 36 | Forest floor development and biochemical properties in reconstructed boreal forest soils. <i>Applied Soil Ecology</i> , 2011, 49, 139-147. | 4.3 | 46 |

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|----|--|-----|-----------|
| 37 | Aspen shoots are carbon autonomous during bud break. <i>Trees - Structure and Function</i> , 2011, 25, 531-536. | 1.9 | 46 |
| 38 | A comparison of growth and physiology in <i>Picea glauca</i> and <i>Populus tremuloides</i> at different soil temperatures. <i>Canadian Journal of Forest Research</i> , 2001, 31, 1922-1929. | 1.7 | 45 |
| 39 | A global view of aspen: Conservation science for widespread keystone systems. <i>Global Ecology and Conservation</i> , 2020, 21, e00828. | 2.1 | 44 |
| 40 | Gas exchange and growth of three arctic tree-line tree species under different soil temperature and drought preconditioning regimes. <i>Canadian Journal of Botany</i> , 1996, 74, 686-693. | 1.1 | 43 |
| 41 | Soil nutrition and temperature as drivers of root suckering in trembling aspen. <i>Canadian Journal of Forest Research</i> , 2002, 32, 1685-1691. | 1.7 | 43 |
| 42 | Response of <i>Populus tremuloides</i> , <i>Populus balsamifera</i> , <i>Betula papyrifera</i> and <i>Picea glauca</i> seedlings to low soil temperature and water-logged soil conditions. <i>Scandinavian Journal of Forest Research</i> , 2003, 18, 391-400. | 1.4 | 42 |
| 43 | Identifying the relevant carbohydrate storage pools available for remobilization in aspen roots. <i>Tree Physiology</i> , 2019, 39, 1109-1120. | 3.1 | 42 |
| 44 | Tamm Review: Seedling-based ecology, management, and restoration in aspen (<i>Populus tremuloides</i>). <i>Forest Ecology and Management</i> , 2019, 432, 231-245. | 3.2 | 41 |
| 45 | Seed release in serotinous lodgepole pine forests after mountain pine beetle outbreak. , 2011, 21, 150-162. | | 40 |
| 46 | The effect of fire severity and salvage logging traffic on regeneration and early growth of aspen suckers in north-central Alberta. <i>Forestry Chronicle</i> , 2004, 80, 251-256. | 0.6 | 39 |
| 47 | A Functional Framework for Improved Management of Western North American Aspen (<i>Populus</i>) $T_j ETQq1 1 0.784314 rgBT / Overlock 1$ | 1.0 | 39 |
| 48 | Elevated mortality of residual trees following structural retention harvesting in boreal mixedwoods. <i>Forestry Chronicle</i> , 2008, 84, 70-75. | 0.6 | 38 |
| 49 | Photosynthetic strategies of summergreen and evergreen understory herbs of the boreal mixedwood forest. <i>Oecologia</i> , 1997, 112, 173-178. | 2.0 | 36 |
| 50 | Effect of stock type characteristics and time of planting on field performance of aspen (<i>Populus</i>) $T_j ETQq0 0 0 rgBT / Overlock 10 Tf 50 2$ | 1.7 | 36 |
| 51 | Rebuilding boreal forest ecosystems after industrial disturbance. , 2012, , . | | 35 |
| 52 | The effect of ectomycorrhizae on water relations in aspen (<i>Populus tremuloides</i>) and white spruce (<i>Picea glauca</i>) at low soil temperatures. <i>Canadian Journal of Botany</i> , 2002, 80, 684-689. | 1.1 | 33 |
| 53 | Effects of soil temperature and time of decapitation on sucker initiation of intact <i>Populus tremuloides</i> root systems. <i>Scandinavian Journal of Forest Research</i> , 2006, 21, 299-305. | 1.4 | 33 |
| 54 | Nutrient loaded seedlings reduce the need for field fertilization and vegetation management on boreal forest reclamation sites. <i>New Forests</i> , 2016, 47, 393-410. | 1.7 | 33 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Regeneration of <i>Populus</i> nine years after variable retention harvest in boreal mixedwood forests. <i>Forest Ecology and Management</i> , 2010, 259, 383-389. | 3.2 | 32 |
| 56 | Early trajectories of forest understory development on reclamation sites: influence of forest floor placement and a cover crop. <i>Restoration Ecology</i> , 2015, 23, 698-706. | 2.9 | 30 |
| 57 | Effects of harvesting and drought on CO ₂ and H ₂ O fluxes in an aspen-dominated western boreal plain forest: early chronosequence recovery. <i>Canadian Journal of Forest Research</i> , 2015, 45, 87-100. | 1.7 | 30 |
| 58 | Nutrient uptake and growth of fireweed (<i>Chamerion angustifolium</i>) on reclamation soils. <i>Canadian Journal of Forest Research</i> , 2014, 44, 1-7. | 1.7 | 29 |
| 59 | Screening for Control of a Forest Weed: Early Competition Between Three Replacement Species and <i>Calamagrostis canadensis</i> of <i>Picea glauca</i> . <i>Journal of Applied Ecology</i> , 1996, 33, 1517. | 4.0 | 28 |
| 60 | Stomatal conductance and xylem sap properties of aspen (<i>Populus tremuloides</i>) in response to low soil temperature. <i>Physiologia Plantarum</i> , 2004, 122, 79-85. | 5.2 | 28 |
| 61 | Wounding of aspen roots promotes suckering. <i>Canadian Journal of Botany</i> , 2004, 82, 310-315. | 1.1 | 27 |
| 62 | Premature shoot growth termination allows nutrient loading of seedlings with an indeterminate growth strategy. <i>New Forests</i> , 2013, 44, 635-647. | 1.7 | 27 |
| 63 | The role of seedling nutrient status on development of ectomycorrhizal fungal communities in two soil types following surface mining disturbance. <i>Pedobiologia</i> , 2015, 58, 129-135. | 1.2 | 27 |
| 64 | Impact of slash removal, drag scarification, and mounding on lodgepole pine cone distribution and seedling regeneration after cut-to-length harvesting on high elevation sites. <i>Forest Ecology and Management</i> , 2009, 258, 43-49. | 3.2 | 26 |
| 65 | Fire Drives Transcontinental Variation in Tree Birch Defense against Browsing by Snowshoe Hares. <i>American Naturalist</i> , 2009, 174, 13-23. | 2.1 | 25 |
| 66 | Age, stand density, and tree size as factors in root and basal grafting of lodgepole pine. <i>Canadian Journal of Botany</i> , 2005, 83, 983-988. | 1.1 | 24 |
| 67 | Differences in initial root development and soil conditions affect establishment of trembling aspen and balsam poplar seedlings. <i>Botany</i> , 2010, 88, 275-285. | 1.0 | 24 |
| 68 | Reserves Accumulated in Non-Photosynthetic Organs during the Previous Growing Season Drive Plant Defenses and Growth in Aspen in the Subsequent Growing Season. <i>Journal of Chemical Ecology</i> , 2014, 40, 21-30. | 1.8 | 24 |
| 69 | Host phenology and potential saprotrophism of ectomycorrhizal fungi in the boreal forest. <i>Functional Ecology</i> , 2017, 31, 116-126. | 3.6 | 24 |
| 70 | Competition between <i>Calamagrostis canadensis</i> and <i>Epilobium angustifolium</i> under different soil temperature and nutrient regimes. <i>Canadian Journal of Forest Research</i> , 1994, 24, 2244-2250. | 1.7 | 23 |
| 71 | Carbon isotope discrimination and water stress in trembling aspen following variable retention harvesting. <i>Tree Physiology</i> , 2007, 27, 1065-1071. | 3.1 | 23 |
| 72 | Effects of overstory retention and site preparation on growth of planted white spruce seedlings in deciduous and coniferous dominated boreal plains mixedwoods. <i>Forest Ecology and Management</i> , 2008, 255, 3744-3749. | 3.2 | 23 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Seedling growth and water use of boreal conifers across different temperatures and near-flooded soil conditions. Canadian Journal of Forest Research, 2011, 41, 2292-2300. | 1.7 | 23 |
| 74 | Viability of forest floor and canopy seed banks in <i>Pinus contorta</i> var. <i>latifolia</i> (Pinaceae) forests after a mountain pine beetle outbreak. American Journal of Botany, 2011, 98, 630-637. | 1.7 | 23 |
| 75 | Root carbohydrates and aspen regeneration in relation to season of harvest and machine traffic. Forest Ecology and Management, 2008, 255, 68-74. | 3.2 | 22 |
| 76 | First-year growth response of cold-stored, nursery-grown aspen planting stock. New Forests, 2007, 33, 281-295. | 1.7 | 21 |
| 77 | The effect of roots and litter of <i>Calamagrostis canadensis</i> on root sucker regeneration of <i>Populus tremuloides</i> . Forestry, 2007, 80, 481-488. | 2.3 | 19 |
| 78 | Propagating trembling aspen from root cuttings: impact of storage length and phenological period of root donor plants. New Forests, 2010, 39, 169-182. | 1.7 | 18 |
| 79 | Seasonal changes in carbohydrate storage and regrowth in rhizomes and stems of four boreal forest shrubs: Applications in <i>Picea glauca</i> understory regeneration. Scandinavian Journal of Forest Research, 1997, 12, 27-32. | 1.4 | 17 |
| 80 | Effects of timing of cleaning and residual density on regeneration of juvenile aspen stands. Forest Ecology and Management, 2006, 232, 198-204. | 3.2 | 17 |
| 81 | Influence of tree species and salvaged soils on the recovery of ectomycorrhizal fungi in upland boreal forest restoration after surface mining. Botany, 2015, 93, 267-277. | 1.0 | 17 |
| 82 | Root competition, not soil compaction, restricts access to soil resources for aspen on a reclaimed mine soil. Botany, 2017, 95, 685-695. | 1.0 | 17 |
| 83 | Title is missing!. New Forests, 2003, 25, 49-66. | 1.7 | 16 |
| 84 | Nitrate stimulates root suckering in trembling aspen (<i>Populus tremuloides</i>). Canadian Journal of Forest Research, 2010, 40, 1962-1969. | 1.7 | 14 |
| 85 | Quantification of uncertainties introduced by data-processing procedures of sap flow measurements using the cut-tree method on a large mature tree. Agricultural and Forest Meteorology, 2020, 287, 107926. | 4.8 | 14 |
| 86 | Nitrogen-15 Uptake by <i>Pinus contorta</i> Seedlings in Relation to Phenological Stage and Season. Scandinavian Journal of Forest Research, 2004, 19, 329-338. | 1.4 | 13 |
| 87 | Impact of chipping residues and its leachate on the initiation and growth of aspen root suckers. Canadian Journal of Soil Science, 2007, 87, 361-367. | 1.2 | 13 |
| 88 | Role of microtopography in the expression of soil propagule banks on reclamation sites. Restoration Ecology, 2018, 26, S200. | 2.9 | 13 |
| 89 | Utilizing pioneer species as a hydrological nurse crop to lower water table for reforestation of poorly drained boreal sites. Annals of Forest Science, 2003, 60, 741-748. | 2.0 | 13 |
| 90 | Rhizome growth of <i>Calamagrostis canadensis</i> in response to soil nutrients and bulk density. Canadian Journal of Plant Science, 1996, 76, 545-550. | 0.9 | 12 |

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|-----|--|-----|-----------|
| 91 | Le gel de printemps et la pourriture fongique sont impliqués dans la suppression de la repousse des trembles rejetant après un nettoyage partiel dans des peuplements juvéniles. <i>Annals of Forest Science</i> , 2009, 66, 805-805. | 2.0 | 12 |
| 92 | Tracking Stable Isotope Enrichment in Tree Seedlings with Solid-State NMR Spectroscopy. <i>Scientific Reports</i> , 2012, 2, 719. | 3.3 | 12 |
| 93 | Microbial Response to Fertilization in Contrasting Soil Materials used during Oil Sands Reclamation. <i>Soil Science Society of America Journal</i> , 2013, 77, 145-154. | 2.2 | 12 |
| 94 | The Role of Microsite Conditions in Restoring Trembling Aspen (<i>Populus tremuloides</i> Michx) from Seed. <i>Restoration Ecology</i> , 2014, 22, 292-295. | 2.9 | 12 |
| 95 | The impact of light quality and quantity on root-to-shoot ratio and root carbon reserves in aspen seedling stock. <i>New Forests</i> , 2015, 46, 527-545. | 1.7 | 12 |
| 96 | Predicting natural regeneration of white spruce in boreal mixedwood understories. <i>Forestry Chronicle</i> , 2001, 77, 1006-1013. | 0.6 | 11 |
| 97 | Low soil temperatures increase carbon reserves in <i>Picea mariana</i> and <i>Pinus contorta</i> . <i>Annals of Forest Science</i> , 2014, 71, 371-380. | 2.0 | 11 |
| 98 | Viewing forests from below: fine root mass declines relative to leaf area in aging lodgepole pine stands. <i>Oecologia</i> , 2016, 181, 733-747. | 2.0 | 11 |
| 99 | Mature beech and spruce trees under drought "Higher C investment in reproduction at the expense of whole-tree NSC stores. <i>Environmental and Experimental Botany</i> , 2021, 191, 104615. | 4.2 | 11 |
| 100 | Effects of <i>Corylus cornuta</i> stem density on root suckering and rooting depth of <i>Populus tremuloides</i> This article is one of a selection of papers published in the Special Issue on Poplar Research in Canada.. <i>Canadian Journal of Botany</i> , 2007, 85, 1041-1045. | 1.1 | 10 |
| 101 | Regeneration of aspen following partial and strip understory protection harvest in boreal mixedwood forests. <i>Forestry Chronicle</i> , 2009, 85, 631-638. | 0.6 | 10 |
| 102 | Title is missing!. <i>New Forests</i> , 2003, 25, 67-81. | 1.7 | 9 |
| 103 | The persistence and function of living roots on lodgepole pine snags and stumps grafted to living trees. <i>Annals of Forest Science</i> , 2007, 64, 31-36. | 2.0 | 9 |
| 104 | Suckering response of aspen to traffic-induced-root wounding and the barrier-effect of log storage. <i>Forest Ecology and Management</i> , 2009, 258, 2083-2089. | 3.2 | 9 |
| 105 | Depth of root placement, root size and carbon reserves determine reproduction success of aspen root fragments. <i>Forest Ecology and Management</i> , 2014, 313, 83-90. | 3.2 | 9 |
| 106 | Effects of substrate availability and competing vegetation on natural regeneration of white spruce on logged boreal mixedwood sites. <i>Canadian Journal of Forest Research</i> , 2018, 48, 324-332. | 1.7 | 9 |
| 107 | Preferential allocation of carbohydrate reserves belowground supports disturbance-based management of American chestnut (<i>Castanea dentata</i>). <i>Forest Ecology and Management</i> , 2022, 509, 120078. | 3.2 | 9 |
| 108 | Rhizome growth of <i>Calamagrostis canadensis</i> into mounds created for tree seedling establishment. , 1999, 18, 245-262. | | 8 |

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|-----|--|-----|-----------|
| 109 | Does mechanical site preparation affect trembling aspen density and growth 9â€“12Âyears after treatment?. <i>New Forests</i> , 2006, 32, 299-306. | 1.7 | 8 |
| 110 | Fertilization of lodgepole pine trees increased diameter growth but reduced root carbohydrate concentrations. <i>Forest Ecology and Management</i> , 2010, 260, 1914-1920. | 3.2 | 8 |
| 111 | Spruce shows greater sensitivity to recent warming than Douglas-fir in central British Columbia. <i>Ecosphere</i> , 2018, 9, e02221. | 2.2 | 8 |
| 112 | Uniform versus Asymmetric Shading Mediates Crown Recession in Conifers. <i>PLoS ONE</i> , 2014, 9, e104187. | 2.5 | 8 |
| 113 | Modelling plant water relations and net primary productivity as affected by reclamation cover depth in reclaimed forestlands of northern Alberta. <i>Plant and Soil</i> , 2020, 446, 627-654. | 3.7 | 7 |
| 114 | Splitting the Difference: Heterogeneous Soil Moisture Availability Affects Aboveground and Belowground Reserve and Mass Allocation in Trembling Aspen. <i>Frontiers in Plant Science</i> , 2021, 12, 654159. | 3.6 | 7 |
| 115 | N-transfer through aspen litter and feather moss layers after fertilization with ammonium nitrate and urea. <i>Plant and Soil</i> , 2008, 311, 51-59. | 3.7 | 6 |
| 116 | Transfer of live aspen root fragments, an effective tool for large-scale boreal forest reclamation. <i>Canadian Journal of Forest Research</i> , 2015, 45, 1056-1064. | 1.7 | 6 |
| 117 | Growth traits of juvenile American chestnut and red oak as adaptations to disturbance. <i>Restoration Ecology</i> , 2018, 26, 712-719. | 2.9 | 6 |
| 118 | Aspen regeneration on log decking areas as influenced by season and duration of log storage. <i>New Forests</i> , 2009, 38, 323-335. | 1.7 | 5 |
| 119 | Assessing structural and functional indicators of soil nitrogen availability in reclaimed forest ecosystems using ¹⁵ N-labelled aspen litter. <i>Canadian Journal of Soil Science</i> , 2018, 98, 357-368. | 1.2 | 5 |
| 120 | Exploring drivers and dynamics of early boreal forest recovery of heavily disturbed mine sites: a case study from a reconstructed landscape. <i>New Forests</i> , 2019, 50, 217-239. | 1.7 | 5 |
| 121 | Plant recolonization of reclamation areas from patches of salvaged forest floor material. <i>Applied Vegetation Science</i> , 2018, 21, 94-103. | 1.9 | 4 |
| 122 | Restoration of belowground fungal communities in reclaimed landscapes of the Canadian boreal forest. <i>Restoration Ecology</i> , 2019, 27, 1369-1380. | 2.9 | 4 |
| 123 | Seasonal patterns of water uptake in <i>Populus tremuloides</i> and <i>Picea glauca</i> on a boreal reclamation site is species specific and modulated by capping soil depth and slope position. <i>Plant and Soil</i> , 2019, 439, 487-504. | 3.7 | 4 |
| 124 | Regional differences in aspen (<i>Populus tremuloides</i> Michx.) seedling response to an established nursery protocol. <i>New Forests</i> , 2020, 51, 367-378. | 1.7 | 4 |
| 125 | Exploring seedling-based aspen (<i>Populus tremuloides</i>) restoration near range limits in the Intermountain West, USA. <i>Forest Ecology and Management</i> , 2020, 476, 118470. | 3.2 | 4 |
| 126 | Surface and subsurface material selections influence the early outcomes of boreal upland forest restoration. <i>Ecological Engineering</i> , 2020, 144, 105705. | 3.6 | 4 |

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|-----|---|-----|-----------|
| 127 | Forest floor protection during drilling pad construction promotes resprouting of aspen. <i>Ecological Engineering</i> , 2015, 75, 9-15. | 3.6 | 3 |
| 128 | Responses of planted <i>Populus tremuloides</i> seedlings to grass competition during early establishment. <i>Trees - Structure and Function</i> , 2018, 32, 1279-1289. | 1.9 | 3 |
| 129 | Additive or synergistic? Early ectomycorrhizal fungal community response to mixed tree plantings in boreal forest reclamation. <i>Oecologia</i> , 2019, 189, 9-19. | 2.0 | 3 |
| 130 | Species-specific responses to targeted fertilizer application on reconstructed soils in a reclaimed upland area. <i>Canadian Journal of Soil Science</i> , 2021, 101, 45-61. | 1.2 | 3 |
| 131 | Biases underlying species detection using fluorescent amplified-fragment length polymorphisms yielded from roots. <i>Plant Methods</i> , 2015, 11, 36. | 4.3 | 2 |
| 132 | Rapid understory plant recovery following forest floor protection on temporary drilling pads. <i>Restoration Ecology</i> , 2018, 26, 48-55. | 2.9 | 2 |
| 133 | Regeneration dynamics of planted seedling-origin aspen (<i>Populus tremuloides</i> Michx.). <i>New Forests</i> , 2018, 49, 215-229. | 1.7 | 2 |
| 134 | Choices on sampling, sequencing, and analyzing DNA influence the estimation of community composition of plant fungal symbionts. <i>Applications in Plant Sciences</i> , 2021, 9, e11449. | 2.1 | 2 |
| 135 | Inconsistent Growth Response to Fertilization and Thinning of Lodgepole Pine in the Rocky Mountain Foothills Is Linked to Site Index. <i>International Journal of Forestry Research</i> , 2012, 2012, 1-7. | 0.8 | 1 |
| 136 | Manipulating aspen (<i>Populus tremuloides</i>) seedling size characteristics to improve initial establishment and growth on competitive sites. <i>Scandinavian Journal of Forest Research</i> , 2020, 35, 29-45. | 1.4 | 1 |
| 137 | RESOLVING THE NEED FOR GROUNDWATER RECHARGE VERSUS FOREST PRODUCTIVITY IN A RECLAIMED WATERSHED USING NUMERICAL MODELLING. , 2017, , . | | 0 |