

# Janusz J Zwiazek

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8514422/publications.pdf>

Version: 2024-02-01

102  
papers

3,546  
citations

126858

33  
h-index

161767

54  
g-index

103  
all docs

103  
docs citations

103  
times ranked

3170  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                            | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Ectomycorrhizas and water relations of trees: a review. <i>Mycorrhiza</i> , 2011, 21, 71-90.                                                                                                                                                       | 1.3 | 318       |
| 2  | Regulation of aquaporins in plants under stress. <i>Biological Research</i> , 2018, 51, 4.                                                                                                                                                         | 1.5 | 252       |
| 3  | Aquaporins in poplar: What a difference a symbiont makes!. <i>Planta</i> , 2005, 222, 258-268.                                                                                                                                                     | 1.6 | 141       |
| 4  | Mercuric Chloride Effects on Root Water Transport in Aspen Seedlings. <i>Plant Physiology</i> , 1999, 121, 939-946.                                                                                                                                | 2.3 | 138       |
| 5  | Functional characterization of drought-responsive aquaporins in <i>Populus balsamifera</i> and <i>Populus simonii</i> — <i>balsamifera</i> clones with different drought resistance strategies. <i>Physiologia Plantarum</i> , 2010, 140, 321-333. | 2.6 | 89        |
| 6  | Overexpression of PIP2;5 Aquaporin Alleviates Effects of Low Root Temperature on Cell Hydraulic Conductivity and Growth in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2012, 159, 479-488.                                                      | 2.3 | 85        |
| 7  | Ethylene Enhances Water Transport in Hypoxic Aspen. <i>Plant Physiology</i> , 2002, 128, 962-969.                                                                                                                                                  | 2.3 | 79        |
| 8  | Title is missing!. <i>Plant and Soil</i> , 2002, 238, 217-225.                                                                                                                                                                                     | 1.8 | 76        |
| 9  | Significance of oxygen transport through aquaporins. <i>Scientific Reports</i> , 2017, 7, 40411.                                                                                                                                                   | 1.6 | 76        |
| 10 | Effects of water deficit stress and recovery on the root water relations of trembling aspen ( <i>Populus</i> ). <i>Tree Physiology</i> , 2000, 20, 107-115.                                                                                        | 1.7 | 73        |
| 11 | Light response of hydraulic conductance in bur oak ( <i>Quercus macrocarpa</i> ) leaves. <i>Tree Physiology</i> , 2008, 28, 1007-1015.                                                                                                             | 1.4 | 71        |
| 12 | Effects of NaCl and Na <sub>2</sub> SO <sub>4</sub> on red-osier dogwood ( <i>Cornus stolonifera</i> Michx) seedlings. <i>Plant and Soil</i> , 2001, 233, 261-268.                                                                                 | 1.8 | 70        |
| 13 | Role of adventitious roots in water relations of tamarack ( <i>Larix laricina</i> ) seedlings exposed to flooding. <i>BMC Plant Biology</i> , 2012, 12, 99.                                                                                        | 1.6 | 63        |
| 14 | Signals controlling root suckering and adventitious shoot formation in aspen ( <i>Populus</i> ). <i>Tree Physiology</i> , 2002, 22, 222-230.                                                                                                       | 1.4 | 60        |
| 15 | Early detection of membrane injury in black spruce ( <i>Picea mariana</i> ). <i>Canadian Journal of Forest Research</i> , 1991, 21, 401-404.                                                                                                       | 0.8 | 58        |
| 16 | Naphthenic acids inhibit root water transport, gas exchange and leaf growth in aspen ( <i>Populus</i> ). <i>Tree Physiology</i> , 2000, 20, 50-54.                                                                                                 | 1.4 | 54        |
| 17 | Overexpression of <i>Laccaria bicolor</i> aquaporin <i>Q585595</i> alters root water transport properties in ectomycorrhizal white spruce ( <i>Picea glauca</i> ) seedlings. <i>New Phytologist</i> , 2015, 205, 757-770.                          | 3.5 | 54        |
| 18 | Aquaporin gene expression and apoplastic water flow in bur oak ( <i>Quercus macrocarpa</i> ) leaves in relation to the light response of leaf hydraulic conductance. <i>Journal of Experimental Botany</i> , 2009, 60, 4063-4075.                  | 2.4 | 53        |

| #  | ARTICLE                                                                                                                                                                                                                 | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Responses of black spruce ( <i>Picea mariana</i> ) and tamarack ( <i>Larix laricina</i> ) to flooding and ethylene. <i>Tree Physiology</i> , 2003, 23, 545-552.                                                         | 1.4 | 52        |
| 20 | Effects of preconditioning on subsequent water relations, stomatal sensitivity, and photosynthesis in osmotically stressed black spruce. <i>Canadian Journal of Botany</i> , 1989, 67, 2240-2244.                       | 1.2 | 49        |
| 21 | Metabolic inhibition of root water flow in redôsier dogwood ( <i>Cornus stolonifera</i> ) seedlings. <i>Journal of Experimental Botany</i> , 2001, 52, 739-745.                                                         | 2.4 | 49        |
| 22 | Effects of root medium pH on water transport in paper birch ( <i>Betula papyrifera</i> ) seedlings in relation to root temperature and abscisic acid treatments. <i>Tree Physiology</i> , 2004, 24, 1173-1180.          | 1.4 | 49        |
| 23 | Ion uptake in <i>Pinus banksiana</i> treated with sodium chloride and sodium sulphate. <i>Physiologia Plantarum</i> , 2004, 120, 482-490.                                                                               | 2.6 | 48        |
| 24 | Responses of ectomycorrhizal American elm ( <i>Ulmus americana</i> ) seedlings to salinity and soil compaction. <i>Plant and Soil</i> , 2008, 308, 189-200.                                                             | 1.8 | 48        |
| 25 | Plant water transport and aquaporins in oxygen-deprived environments. <i>Journal of Plant Physiology</i> , 2018, 227, 20-30.                                                                                            | 1.6 | 48        |
| 26 | Changes in root water flow properties of solution culture-grown trembling aspen ( <i>Populus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 To<br>2004, 121, 44-49.                                                     | 2.6 | 47        |
| 27 | Role of aquaporins in root water transport of ectomycorrhizal jack pine (<i> <i>Pinus banksiana</i> </i>) seedlings exposed to NaCl and fluoride. <i>Plant, Cell and Environment</i> , 2010, 33, 769-780.               | 2.8 | 46        |
| 28 | Stomatal factors and vulnerability of stem xylem to cavitation in poplars. <i>Physiologia Plantarum</i> , 2011, 143, 154-165.                                                                                           | 2.6 | 46        |
| 29 | Fluoride inhibits root water transport and affects leaf expansion and gas exchange in aspen ( <i>Populus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 467 To<br>2004, 121, 44-49.                                  | 2.6 | 44        |
| 30 | Root water flow and leaf stomatal conductance in aspen ( <i>Populus tremuloides</i> ) seedlings treated with abscisic acid. <i>Planta</i> , 2001, 213, 741-747.                                                         | 1.6 | 41        |
| 31 | Effects of repeated stress on turgor pressure and cell elasticity changes in black spruce seedlings. <i>Canadian Journal of Forest Research</i> , 1991, 21, 1329-1333.                                                  | 0.8 | 40        |
| 32 | Responses of ectomycorrhizal <i>Populus tremuloides</i> and <i>Betula papyrifera</i> seedlings to salinity. <i>Environmental and Experimental Botany</i> , 2008, 62, 357-363.                                           | 2.0 | 38        |
| 33 | Effects of irradiance on cell water relations in leaf bundle sheath cells of wild-type and transgenic tobacco ( <i>Nicotiana tabacum</i> ) plants overexpressing aquaporins. <i>Plant Science</i> , 2009, 176, 248-255. | 1.7 | 35        |
| 34 | 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.      | 1.2 | 33        |
| 35 | Growth and physiological responses of trembling aspen ( <i>Populus tremuloides</i> ), white spruce ( <i>Picea</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 467 To<br>2004, 121, 44-49.                             | 1.8 | 33        |
| 36 | Growth of mycorrhizal jack pine ( <i>Pinus banksiana</i> ) and white spruce ( <i>Picea glauca</i> ) seedlings planted in oil sands reclaimed areas. <i>Mycorrhiza</i> , 2014, 24, 431-441.                              | 1.3 | 32        |

| #  | ARTICLE                                                                                                                                                                                                                                   | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | <sc><i>L</i></sc> <i>accaria bicolor</i> aquaporin <sc>LbAQP1</sc> is required for <sc>H</sc>artig net development in trembling aspen (<sc><i>P</i></sc> <i>opulus</i>) Tj ETQq1 1 0.784314 rgBt.4 Overlock 10 Tf 50                      | 1.8 | 29        |
| 38 | NaCl and Na <sub>2</sub> SO <sub>4</sub> alter responses of jack pine ( <i>Pinus banksiana</i> ) seedlings to boron. <i>Plant and Soil</i> , 2002, 240, 321-329.                                                                          | 1.8 | 29        |
| 39 | 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.                                                               | 2.6 | 28        |
| 40 | Boron and water uptake in jack pine ( <i>Pinus banksiana</i> ) seedlings. <i>Environmental and Experimental Botany</i> , 2004, 51, 145-153.                                                                                               | 2.0 | 28        |
| 41 | Phylogenetic analysis of fungal aquaporins provides insight into their possible role in water transport of mycorrhizal associations. <i>Botany</i> , 2013, 91, 495-504.                                                                   | 0.5 | 28        |
| 42 | Naphthenic acids affect plant water conductance but do not alter shoot Na <sup>+</sup> and Cl <sup>-</sup> concentrations in jack pine ( <i>Pinus banksiana</i> ) seedlings. <i>Plant and Soil</i> , 2004, 263, 183-190.                  | 1.8 | 27        |
| 43 | Root hydraulic properties and growth of balsam poplar ( <i>Populus balsamifera</i> ) mycorrhizal with <i>Hebeloma crustuliniforme</i> and <i>Wilcoxina mikolae</i> var. <i>mikolae</i> . <i>Mycorrhiza</i> , 2008, 18, 393-401.           | 1.3 | 27        |
| 44 | Hydraulic adjustments in aspen ( <i>Populus tremuloides</i> ) seedlings following defoliation involve root and leaf aquaporins. <i>Planta</i> , 2014, 240, 553-564.                                                                       | 1.6 | 26        |
| 45 | Regulation of Aquaporin-Mediated Water Transport in <i>Arabidopsis</i> Roots Exposed to NaCl. <i>Plant and Cell Physiology</i> , 2015, 56, 750-758.                                                                                       | 1.5 | 26        |
| 46 | Light-induced transpiration alters cell water relations in fig leaf gourd ( <i>Cucurbita ficifolia</i> ) seedlings exposed to low root temperatures. <i>Physiologia Plantarum</i> , 2008, 133, 354-362.                                   | 2.6 | 25        |
| 47 | Effects of prolonged cold storage on carbohydrate and protein content and field performance of white spruce bareroot seedlings. <i>Canadian Journal of Forest Research</i> , 1994, 24, 1369-1375.                                         | 0.8 | 24        |
| 48 | Osmotically-stressed poplar cell cultures: anthocyanin accumulation, deaminase activity, and solute composition. <i>Journal of Plant Physiology</i> , 1997, 151, 489-496.                                                                 | 1.6 | 24        |
| 49 | Responses of jack pine ( <i>Pinus banksiana</i> ) seedlings to root zone pH and calcium. <i>Environmental and Experimental Botany</i> , 2015, 111, 32-41.                                                                                 | 2.0 | 23        |
| 50 | Role of urban ectomycorrhizal fungi in improving the tolerance of lodgepole pine ( <i>Pinus contorta</i> ) seedlings to salt stress. <i>Mycorrhiza</i> , 2019, 29, 303-312.                                                               | 1.3 | 23        |
| 51 | Stable expression of aquaporins and hypoxia-responsive genes in adventitious roots are linked to maintaining hydraulic conductance in tobacco ( <i>Nicotiana tabacum</i> ) exposed to root hypoxia. <i>PLoS ONE</i> , 2019, 14, e0212059. | 1.1 | 23        |
| 52 | Preservation of Thermal Stability of Cell Membranes and Gas Exchange in High Temperature Acclimated <i>Xylia xylocarpa</i> Seedlings. <i>Journal of Plant Physiology</i> , 2000, 156, 380-385.                                            | 1.6 | 22        |
| 53 | Hypoxia affects root sodium and chloride concentrations and alters water conductance in salt-treated jack pine ( <i>Pinus banksiana</i> ) seedlings. <i>Trees - Structure and Function</i> , 2003, 17, 251-257.                           | 0.9 | 20        |
| 54 | Responses of hybrid aspen over-expressing a PIP2;5 aquaporin to low root temperature. <i>Journal of Plant Physiology</i> , 2016, 192, 98-104.                                                                                             | 1.6 | 20        |

| #  | ARTICLE                                                                                                                                                                                                                            | IF   | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 55 | Effects of Early Spring Photosynthesis on Carbohydrate Content, Bud Flushing and Root and Shoot Growth of <i>Picea glauca</i> Bareroot Seedlings. <i>Scandinavian Journal of Forest Research</i> , 1999, 14, 295-302.              | 0.5  | 19        |
| 56 | Waterlogging under simulated late-winter conditions had little impact on the physiology and growth of Norway spruce seedlings. <i>Annals of Forest Science</i> , 2013, 70, 781-790.                                                | 0.8  | 19        |
| 57 | Effects of triadimefon and osmotic stress on plasma membrane composition and ATPase activity in white spruce ( <i>Picea glauca</i> ) needles. <i>Physiologia Plantarum</i> , 1993, 87, 475-482.                                    | 2.6  | 18        |
| 58 | Responses of mycorrhizal jack pine ( <i>Pinus banksiana</i> ) seedlings to NaCl and boron. <i>Trees - Structure and Function</i> , 2008, 22, 825-834.                                                                              | 0.9  | 18        |
| 59 | Effects of pH on NaCl tolerance of American elm ( <i>Ulmus americana</i> ) seedlings inoculated with <i>Hebeloma crustuliniforme</i> and <i>Laccaria bicolor</i> . <i>Acta Physiologiae Plantarum</i> , 2009, 31, 515-522.         | 1.0  | 18        |
| 60 | Effects of NaCl on responses of ectomycorrhizal black spruce ( <i>Picea mariana</i> ), white spruce ( <i>Picea glauca</i> ) and jack pine ( <i>Pinus banksiana</i> ) to fluoride. <i>Physiologia Plantarum</i> , 2009, 135, 51-61. | 2.6  | 18        |
| 61 | Spring changes in water relations, gas exchange, and carbohydrates of white spruce ( <i>Picea</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50                                                                                    | 0.85 | 17        |
| 62 | Water transport properties of root cells contribute to salt tolerance in halophytic grasses <i>Poa juncifolia</i> and <i>Puccinellia nuttalliana</i> . <i>Plant Science</i> , 2018, 276, 54-62.                                    | 1.7  | 17        |
| 63 | Hydraulic conductivity and aquaporin transcription in roots of trembling aspen ( <i>Populus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50                                                                                      | 1.3  | 16        |
| 64 | Fungal Aquaporins in Ectomycorrhizal Root Water Transport. <i>Frontiers in Plant Science</i> , 2020, 11, 302.                                                                                                                      | 1.7  | 16        |
| 65 | Leaf physiological impedance and elasticity modulus in <i>Orychophragmus violaceus</i> seedlings subjected to repeated osmotic stress. <i>Scientia Horticulturae</i> , 2021, 276, 109763.                                          | 1.7  | 16        |
| 66 | Growth and elemental composition of jack pine ( <i>Pinus banksiana</i> ) seedlings treated with sodium chloride and sodium sulfate. <i>Trees - Structure and Function</i> , 2002, 16, 325-330.                                     | 0.9  | 15        |
| 67 | Boreal forest plant species responses to pH: ecological interpretation and application to reclamation. <i>Plant and Soil</i> , 2017, 420, 195-208.                                                                                 | 1.8  | 15        |
| 68 | Over-expression of PIP2;5 aquaporin alleviates gas exchange and growth inhibition in poplars exposed to mild osmotic stress with polyethylene glycol. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.                            | 1.0  | 15        |
| 69 | <i>Hebeloma crustuliniforme</i> modifies root hydraulic responses of trembling aspen ( <i>Populus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50                                                                                | 1.8  | 14        |
| 70 | Responses of Reclamation Plants to High Root Zone pH: Effects of Phosphorus and Calcium Availability. <i>Journal of Environmental Quality</i> , 2016, 45, 1652-1662.                                                               | 1.0  | 14        |
| 71 | The contribution of PIP2-type aquaporins to photosynthetic response to increased vapour pressure deficit. <i>Journal of Experimental Botany</i> , 2021, 72, 5066-5078.                                                             | 2.4  | 14        |
| 72 | Properties of root water transport in canola ( <i>Brassica napus</i> ) subjected to waterlogging at the seedling, flowering and podding growth stages. <i>Plant and Soil</i> , 2020, 454, 431-445.                                 | 1.8  | 13        |

| #  | ARTICLE                                                                                                                                                                                                                                                              | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Ericoid mycorrhizal fungi enhance salt tolerance in ericaceous plants. <i>Mycorrhiza</i> , 2020, 30, 419-429.                                                                                                                                                        | 1.3 | 13        |
| 74 | Jack Pine Growth and Elemental Composition Are Affected by Saline Tailings Water. <i>Journal of Environmental Quality</i> , 2002, 31, 648-653.                                                                                                                       | 1.0 | 12        |
| 75 | Inoculation with Ericoid Mycorrhizal Associations Alleviates Drought Stress in Lowland and Upland Velvetleaf Blueberry ( <i>Vaccinium myrtilloides</i> ) Seedlings. <i>Plants</i> , 2021, 10, 2786.                                                                  | 1.6 | 12        |
| 76 | Jack Pine Growth and Elemental Composition Are Affected by Saline Tailings Water. <i>Journal of Environmental Quality</i> , 2002, 31, 648.                                                                                                                           | 1.0 | 11        |
| 77 | Effects of preconditioning on electrolyte leakage and lipid composition in black spruce ( <i>Picea</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T                                                                                                                     | 2.6 | 11        |
| 78 | Transcriptome and Metabolome Analyses Reveal Potential Salt Tolerance Mechanisms Contributing to Maintenance of Water Balance by the Halophytic Grass <i>Puccinellia nuttalliana</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 760863.                         | 1.7 | 11        |
| 79 | Hydrogen fluoride effects on plasma membrane composition, ATPase activity and cell structure in needles of eastern white pine ( <i>Pinus strobus</i> ) seedlings. <i>Trees - Structure and Function</i> , 1995, 9, 190.                                              | 0.9 | 10        |
| 80 | Responses of Rat Root ( <i>Acorus americanus</i> Raf.) Plants to Salinity and pH Conditions. <i>Journal of Environmental Quality</i> , 2014, 43, 578-586.                                                                                                            | 1.0 | 10        |
| 81 | Adventitious sprouting of <i>Pinus leiophylla</i> in response to salt stress. <i>Annals of Forest Science</i> , 2014, 71, 811-819.                                                                                                                                   | 0.8 | 10        |
| 82 | Regulation of water transport in <i>Arabidopsis</i> by methyl jasmonate. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 540-547.                                                                                                                              | 2.8 | 10        |
| 83 | Transcript profiling of aquaporins during basidiocarp development in <i>Laccaria bicolor</i> ectomycorrhizal with <i>Picea glauca</i> . <i>Mycorrhiza</i> , 2016, 26, 19-31.                                                                                         | 1.3 | 9         |
| 84 | Effects of pH and Mineral Nutrition on Growth and Physiological Responses of Trembling Aspen ( <i>Populus tremuloides</i> ), Jack Pine ( <i>Pinus banksiana</i> ), and White Spruce ( <i>Picea glauca</i> ) Seedlings in Sand Culture. <i>Plants</i> , 2020, 9, 682. | 1.6 | 9         |
| 85 | Growth and physiological responses of tree seedlings to oil sands non-segregated tailings. <i>Environmental Pollution</i> , 2020, 259, 113945.                                                                                                                       | 3.7 | 8         |
| 86 | Cell wall changes in white spruce ( <i>Picea glauca</i> ) needles subjected to repeated drought stress. <i>Physiologia Plantarum</i> , 1991, 82, 513-518.                                                                                                            | 2.6 | 8         |
| 87 | <i>Hebeloma crustuliniforme</i> facilitates ammonium and nitrate assimilation in trembling aspen ( <i>Populus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T                                                                                                          | 1.4 | 7         |
| 88 | Effects of Branch Pruning and Seedling Size on Total Transpiration and Tissue Na and Cl Accumulation in <i>Pinus leiophylla</i> Seedlings Exposed to Salinity. <i>Forest Science</i> , 2013, 59, 407-415.                                                            | 0.5 | 6         |
| 89 | Ethylene enhances root water transport and aquaporin expression in trembling aspen ( <i>Populus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T                                                                                                                        | 1.6 | 6         |
| 90 | Effects of forest floor planting and stock type on growth and root emergence of <i>Pinus contorta</i> seedlings in a cold northern cutblock. <i>New Forests</i> , 2006, 32, 145-162.                                                                                 | 0.7 | 5         |

| #   | ARTICLE                                                                                                                                                                                                                                                  | IF  | CITATIONS |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91  | Role of osmotic stress in ion accumulation and physiological responses of mycorrhizal white spruce ( <i>Picea glauca</i> ) and jack pine ( <i>Pinus banksiana</i> ) to soil fluoride and NaCl. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 1365-1373. | 1.0 | 5         |
| 92  | Effects of storage temperature on physiological characteristics of fall-lifted white spruce ( <i>Picea</i> )                                                                                                                                             | 0.8 | 5         |
| 93  | Oxidative stress impedes recovery of canola ( <i>Brassica napus</i> ) plants from waterlogging by inhibiting aquaporin-mediated root water transport. <i>Environmental and Experimental Botany</i> , 2022, 200, 104931.                                  | 2.0 | 5         |
| 94  | Variation in Aquaporin and Physiological Responses Among <i>Pinus contorta</i> Families Under Different Moisture Conditions. <i>Plants</i> , 2019, 8, 13.                                                                                                | 1.6 | 4         |
| 95  | Tissue sodium and chloride concentrations in relation to needle injury in boreal conifer seedlings subjected to salt stress. <i>Trees - Structure and Function</i> , 2020, 34, 521-529.                                                                  | 0.9 | 4         |
| 96  | Winter Climate Variability, De-Icing Salt and Streetside Tree Vitality. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .                                                                                                                          | 1.1 | 4         |
| 97  | Effects of Elemental Sulfur on Soil pH and Growth of Saskatoon Berry ( <i>Amelanchier alnifolia</i> ) and Beaked Hazelnut ( <i>Corylus cornuta</i> ) Seedlings. <i>Soil Systems</i> , 2022, 6, 31.                                                       | 1.0 | 4         |
| 98  | Salinity Tolerance of Halophytic Grass <i>Puccinellia nuttalliana</i> Is Associated with Enhancement of Aquaporin-Mediated Water Transport by Sodium. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5732.                               | 1.8 | 4         |
| 99  | Effects of iron and root zone pH on growth and physiological responses of paper birch ( <i>Betula</i> ) seedlings in a split-root hydroponic system. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.                                                   | 1.0 | 3         |
| 100 | Impact of soil stockpiling on ericoid mycorrhizal colonization and growth of velvetleaf blueberry ( <i>Vaccinium myrtilloides</i> ) and Labrador tea ( <i>Ledum</i> )                                                                                    | 0.0 | 3         |
| 101 | Cell wall composition and elasticity of dormant and growing white spruce ( <i>Picea glauca</i> ) seedlings. <i>Physiologia Plantarum</i> , 1997, 101, 323-327.                                                                                           | 2.6 | 2         |
| 102 | Jack pine growth and elemental composition are affected by saline tailings water. <i>Journal of Environmental Quality</i> , 2002, 31, 648-53.                                                                                                            | 1.0 | 2         |