

Dean F Meason

List of Publications by Year in descending order

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29
papers

479
citations

840776

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times ranked

623
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Host Genotype and Nitrogen Form Shape the Root Microbiome of <i>Pinus radiata</i> . <i>Microbial Ecology</i> , 2018, 75, 419-433. | 2.8 | 58 |
| 2 | Nitrogen and phosphorus dynamics for 13-year-old loblolly pine stands receiving complete competition control and annual N fertilizer. <i>Forest Ecology and Management</i> , 2006, 227, 155-168. | 3.2 | 55 |
| 3 | Aquaporin regulation in roots controls plant hydraulic conductance, stomatal conductance, and leaf water potential in <i>Pinus radiata</i> under water stress. <i>Plant, Cell and Environment</i> , 2019, 42, 717-729. | 5.7 | 51 |
| 4 | A Comparative Study of Three Non-Geostatistical Methods for Optimising Digital Elevation Model Interpolation. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 300. | 2.9 | 39 |
| 5 | Effects of fertilisation on phosphorus pools in the volcanic soil of a managed tropical forest. <i>Forest Ecology and Management</i> , 2009, 258, 2199-2206. | 3.2 | 32 |
| 6 | Evaluating the deployment of alternative species in planted conifer forests as a means of adaptation to climate change—case studies in New Zealand and Scotland. <i>Annals of Forest Science</i> , 2014, 71, 239-253. | 2.0 | 31 |
| 7 | Growth response of <i>Acacia koa</i> trees to thinning, grass control, and phosphorus fertilization in a secondary forest in Hawaii. <i>Forest Ecology and Management</i> , 2007, 239, 69-80. | 3.2 | 27 |
| 8 | Fluorescence imaging of cambial zones to study wood formation in <i>Pinus radiata</i> D. Don. <i>Trees - Structure and Function</i> , 2017, 31, 479-490. | 1.9 | 22 |
| 9 | Nutrient Sorption Dynamics of Resin Membranes and Resin Bags in a Tropical Forest. <i>Soil Science Society of America Journal</i> , 2008, 72, 1806-1814. | 2.2 | 21 |
| 10 | Indicators of forest ecosystem productivity and nutrient status across precipitation and temperature gradients in Hawaii. <i>Journal of Tropical Ecology</i> , 2007, 23, 693-704. | 1.1 | 19 |
| 11 | Growth, water use, and water use efficiency of <i>Eucalyptus globulus</i> and <i>Pinus radiata</i> plantations compared with natural stands of Roble-Hualo forest in the coastal mountains of central Chile. <i>Forest Ecology and Management</i> , 2021, 501, 119676. | 3.2 | 15 |
| 12 | Global Tree Taper Modelling: A Review of Applications, Methods, Functions, and Their Parameters. <i>Forests</i> , 2021, 12, 913. | 2.1 | 12 |
| 13 | Annual fertilization and interspecific competition control: effects on in situ forest floor nitrogen fluxes of different-aged <i>Pinus taeda</i> stands in southeast Georgia, USA. <i>Canadian Journal of Forest Research</i> , 2004, 34, 1802-1818. | 1.7 | 10 |
| 14 | Two New Zealand-based common garden experiments of the range-wide “Kuser” clonal collection of <i>Sequoia sempervirens</i> reveal patterns of provenance variation in growth and wood properties. <i>New Forests</i> , 2016, 47, 635-651. | 1.7 | 9 |
| 15 | Xylogenesis of <i>Pinus radiata</i> D. Don growing in New Zealand. <i>Annals of Forest Science</i> , 2019, 76, 1. | 2.0 | 9 |
| 16 | Field-scale variability in site conditions explain phenotypic plasticity in response to nitrogen source in <i>Pinus radiata</i> D. Don. <i>Plant and Soil</i> , 2019, 443, 353-368. | 3.7 | 9 |
| 17 | Diversification of forestry portfolios for climate change and market risk mitigation. <i>Journal of Environmental Management</i> , 2021, 289, 112482. | 7.8 | 9 |
| 18 | Within-site drivers for soil nutrient variability in plantation forests: A case study from dry sub-humid New Zealand. <i>Catena</i> , 2021, 200, 105149. | 5.0 | 8 |

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|----|--|-----|-----------|
| 19 | Sawn timber grade recovery from a planted coast redwood stand growing in New Zealand. <i>New Zealand Journal of Forestry Science</i> , 2013, 43, 8. | 0.8 | 7 |
| 20 | Genotype-by-environment interaction in coast redwood outside natural distribution - search for environmental cues. <i>BMC Genetics</i> , 2020, 21, 15. | 2.7 | 7 |
| 21 | Genotypic variation in <i>Pinus radiata</i> responses to nitrogen source are related to changes in the root microbiome. <i>FEMS Microbiology Ecology</i> , 2018, 94, . | 2.7 | 6 |
| 22 | Modelling the Effect of Microsite Influences on the Growth and Survival of Juvenile <i>Eucalyptus globoidea</i> (Blakely) and <i>Eucalyptus bosistoana</i> (F. Muell) in New Zealand. <i>Forests</i> , 2019, 10, 857. | 2.1 | 5 |
| 23 | Hybrid height growth and survival model for juvenile <i>Eucalyptus globoidea</i> (Blakely) and <i>E. bosistoana</i> (F. Muell) in New Zealand. <i>Forest Ecology and Management</i> , 2021, 490, 119074. | 3.2 | 5 |
| 24 | Site-specific approach to growth assessment and cultivation of teak (<i>Tectona grandis</i>) in Nicaraguan dry tropics. <i>Forest Ecology and Management</i> , 2021, 480, 118658. | 3.2 | 4 |
| 25 | Germination and growth responses to water stress of three agroforestry tree species from Bangladesh. <i>Environmental Challenges</i> , 2021, 5, 100256. | 4.2 | 3 |
| 26 | Interclonal variation, coordination, and trade-offs between hydraulic conductance and gas exchange in <i>Pinus radiata</i> : consequences on plant growth and wood density. <i>Journal of Experimental Botany</i> , 2021, 72, 2419-2433. | 4.8 | 3 |
| 27 | Plantation species-specific adjustment functions for the Forest Carbon Predictor in New Zealand. <i>New Zealand Journal of Forestry Science</i> , 2018, 48, . | 0.8 | 2 |
| 28 | Forest Flows-Real Time Monitoring of Water Quantity and Quality Spatio-Temporal Dynamics in Planted Forests. , 2020, , . | | 0 |
| 29 | Evaluation of Multiscale SMAP Soil Moisture Products in Forested Environments. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5. | 3.1 | 0 |