

2022 Refereed Science Publications

Journal articles and conference proceedings papers from Scion – January to December 2022

Abbel, R., Greene, A., Quilter, H., Leveneur, J., Risani, R., Barbier, M., West, M. A., Collet, C., Kirby, N., & Sorieul, M. (2022). Crystallization behavior and sensing properties of bio-based conductive composite materials. *Advanced Engineering Materials*, [2200959]. <https://doi.org/10.1002/adem.202200959>

Aguilar-Arguello, S., Taylor, A., & Nelson, X. (2022). Jumping spiders do not seem fooled by texture gradient illusions. *Behavioural Processes*, 196, [104603]. <https://doi.org/10.1016/j.beproc.2022.104603>

Ammitzboll, H., Jordan, G., Baker, S. C., & Freeman, J. (2022). Contrasting successional responses of soil bacteria and fungi to post-logging burn severity. *Forest Ecology and Management*, 508, [120059]. <https://doi.org/10.1016/j.foreco.2022.120059>

Andreadis, K. M., Meason, D. F., Hock, B., Lad, P., & Das, N. (2022). Evaluation of multi-scale SMAP soil moisture products in forested environments. *IEEE Geoscience and Remote Sensing Letters*, 19, 1. [2505805]. <https://doi.org/10.1109/LGRS.2022.3184177>

Armstrong, C., Sen, D., Walker, K., Garrett, L., Byers, A., & Wakelin, S. (2022). Genome sequence of *Dermacoccus* strain Tok2021, a soil Actinobacterium isolated from a *Pinus radiata* forest. *Microbiology Resource Announcements*, 11(2), [e00844-21]. <https://doi.org/10.1128/mra.00844-21>

Audrezet, F., Pochon, X., Floerl, O., Le Guen, M. J., Trochel, B., Gambarini, V., Lear, G., & Zaiko, A. (2022). Eco-plastics in the sea: Succession of micro- and macro-fouling on a biodegradable polymer augmented with oyster shell. *Frontiers in Marine Science*, 9, [891183]. <https://doi.org/10.3389/fmars.2022.891183>

Barnagaud, J-Y., Brockerhoff, E. G., Mossion, R., Dufour, P., Pavoine, S., Deconchat, M., & Barbaro, L. (2022). Trait-habitat associations explain novel bird assemblages mixing native and alien species across New Zealand landscapes. *Diversity and Distributions*, 28(1), 38-52. <https://doi.org/10.1111/ddi.13432>

Bayne, K. M., Klinger, S., Payn, T. W., & Yao, R. T. (2022). Credence attributes and ESG investment – opportunities for New Zealand forestry marketing. *New Zealand Journal of Forestry*, 67(2), 23-29. https://www.nzjf.org.nz/new_issues/NZJF67_2_2022/42C2BE11-E1A2-4c5d-907C-261A4BEE9140.pdf

Bayne, K. M., Scott, M. B., & Yao, R. T. (2022). Getting flow: The place of production forests in the rise of mountain biking. *Forests*, 13(8), [1326]. <https://doi.org/10.3390/f13081326>

Bedoya, C. L., Nelson, X. J., Brockerhoff, E. G., Pawson, S., & Hayes, M. (2022). Experimental characterization and automatic identification of stridulatory sounds inside wood. *Royal Society Open Science*, 9(7), [220217]. <https://doi.org/10.1098/rsos.220217>

Bhatt, P., Maclean, A., Dickinson, Y., & Kumar, C. (2022). Fine-scale mapping of natural ecological communities using machine learning approaches. *Remote Sensing*, 14(3), [563]. <https://doi.org/10.3390/rs14030563>

Brar, N. K., Grigsby, W. J., Hill, S. J., Raymond, L., & Weber, C. C. (2022). Understanding the effects of ionic liquids and antisolvent addition on the extraction and recovery of *Pinus radiata* bark components. *Journal of Wood Chemistry and Technology*, 42(4), 305-317. <https://doi.org/10.1080/02773813.2022.2088793>

Burdon, R. D., & Low, C. B. (2022). Field performance of progenies of *Pinus radiata* selected for resistance to *Diplodia*-associated shoot dieback. *New Zealand Journal of Forestry Science*, 52, [20]. <https://doi.org/10.33494/nzjfs522022x217x>

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