

2019 Refereed Science Publications

Journal articles and conference proceedings papers from Scion - January to December 2019.

Adrian, J., Bonsignore, P., Hammer, S., Frickey, T., & Hauck, C. R. (2019). Adaptation to Host-Specific Bacterial Pathogens Drives Rapid Evolution of a Human Innate Immune Receptor. *Current Biology*, 29(4), 616-630.e615. doi:10.1016/j.cub.2019.01.058

Adusei-Fosu, K., & Dickinson, M. (2019). Development of pathogenicity assay and characterization of *Fusarium oxysporum* f. sp. *elaeidis* (FOE) based on Secreted In Xylem genes and EF-1 α . *Journal of Plant Pathology*. doi:10.1007/s42161-019-00332-4

Adusei-Fosu, K., Dickinson, M., & Yankey, E. N. (2019). AFLP as a fingerprinting tool for characterising isolates of *Fusarium oxysporum* f. sp. *elaeidis* causal organism for fusarium wilt disease of oil palm in Ghana. *Journal of Plant Diseases and Protection*. doi:10.1007/s41348-019-00241-9

Al Hakkak, J., Grigsby, W. J., Kathirgamanathan, K., & Edmonds, N. R. (2019). Generation of Spherical Cellulose Nanoparticles from Ionic Liquid Processing via Novel Nonsolvent Addition and Drying. *Advances in Materials Science and Engineering*, 2019. doi:10.1155/2019/2081027

Altgen, D., Grigsby, W., Altgen, M., Rautkari, L., & Mai, C. (2019). Analyzing the UF resin distribution in particleboards by confocal laser scanning microscopy. *Composites Part A: Applied Science and Manufacturing*, 125. doi:10.1016/j.compositesa.2019.105529

Ammitzboll, H., Vaillancourt, R. E., Potts, B. M., Harrison, P. A., Brodribb, T., Susmilch, F. C., & Freeman, J. S. (2019). Independent genetic control of drought resistance, recovery, and growth of *Eucalyptus globulus* seedlings. *Plant Cell and Environment*. doi:10.1111/pce.13649

Attwood, G. T., Wakelin, S. A., Leahy, S. C., Rowe, S., Clarke, S., Chapman, D. F., . . . Jacobs, J. M. E. (2019). Applications of the soil, plant and rumen microbiomes in pastoral agriculture. *Frontiers in Nutrition*, 6. doi:10.3389/fnut.2019.00107

Backmann, P., Grimm, V., Jetschke, G., Lin, Y., Vos, M., Baldwin, I. T., & van Dam, N. M. (2019). Delayed chemical defense: Timely expulsion of herbivores can reduce competition with neighboring plants. *American Naturalist*, 193(1), 125-139. doi:10.1086/700577

Bai, Y., Lang, E. J. M., Nazmi, A. R., & Parker, E. J. (2019). Domain cross-talk within a bifunctional enzyme provides catalytic and allosteric functionality in the biosynthesis of aromatic amino acids. *Journal of Biological Chemistry*, 294(13), 4828-4842. doi:10.1074/jbc.RA118.005220

Baillie, B. R., Hicks, B. J., Hogg, I. D., Van Den Heuvel, M. R., & Kimberley, M. O. (2019). Debris dams as habitat for aquatic invertebrates in forested headwater streams: A large-scale field experiment. *Marine and Freshwater Research*. doi:10.1071/MF18216

Barron, M. C., Liebhold, A. M., Kean, J. M., Richardson, B., & Brockerhoff, E. G. (2019). Habitat fragmentation and eradication of invading insect herbivores. *Journal of Applied Ecology*. doi:10.1111/1365-2664.13554

Bayne, K., Moore, J., & Fielke, S. (2016). Structural and relational support for innovation-formal versus informal knowledge exchange mechanisms in forest-sector learning. *Forestry Chronicle*, 92(4), 432-440. doi:10.5558/tfc2016-078

Bayne, K. M., Clifford, V. R., Baillie, B. R., & Pearce, H. G. (2019). Fire as a Land Management Tool: Rural Sector Perceptions of Burn-off Practice in New Zealand. *Rangeland Ecology and Management*. doi:10.1016/j.rama.2018.12.001

Bedoya, C. L., Brockerhoff, E. G., Hayes, M., Pawson, S. M., Najar-Rodriguez, A., & Nelson, X. J. (2019). Acoustic communication of the red-haired bark beetle *Hylurgus ligniperda*. *Physiological Entomology*. doi:10.1111/phen.12301

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- Berndt, L. A., & Brockerhoff, E. G. (2019). Effects of land cover type on carabid beetles (Coleoptera: Carabidae) of the canterbury foothills, New Zealand. *New Zealand Journal of Forestry Science*, 49. doi:10.33494/nzjfs492019x54x
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