



ECL7202 – DENDROECOLOGY

3 – Applications of dendroecology



Reconstructions of forest disturbances using growth releases



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Dendrochronologia

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INVITED REVIEW PAPER

Tree-ring-based disturbance reconstruction in interdisciplinary research: Current state and future directions

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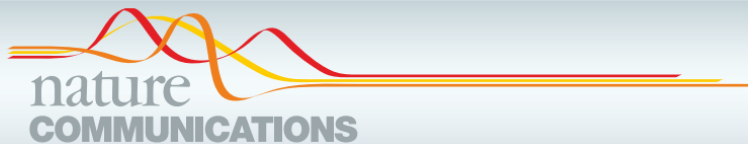
Spatial and temporal dimensions of fire activity in the fire-prone eastern Canadian taiga

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Fire scars





ARTICLE

<https://doi.org/10.1038/s41467-019-08634-y>

OPEN

Tree-ring isotopes capture interannual vegetation productivity dynamics at the biome scale

Mathieu Levesque^{1,2}, Laia Andreu-Hayles², William Kolby Smith³, A. Park Williams², Martina L. Hobi^{4,5}, Brady W. Allred^{6,7} & Neil Pederson⁸



Disentangling the role of photosynthesis and stomatal conductance on rising forest water-use efficiency

Rossella Guerrieri^{a,b,1}, Soumaya Belmecheri^c, Scott V. Ollinger^a, Heidi Asbjornsen^a, Katie Jennings^a, Jingfeng Xiao^a, Benjamin D. Stocker^b, Mary Martin^a, David Y. Hollinger^d, Rosvel Bracho-Garrillo^e, Kenneth Clark^f, Sabina Dore^g, Thomas Kolb^g, J. William Munger^h, Kimberly Novickⁱ, and Andrew D. Richardson^{j,k}

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Dating of art/historical wood-made objects

Journal of Cultural Heritage 27S (2017) S44–S54

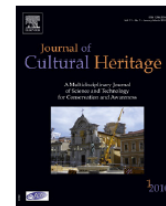


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Wooden Musical Instruments

Dating of violins – The interpretation of dendrochronological reports



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Bayesian multiproxy temperature reconstruction with black spruce ring widths and stable isotopes from the northern Quebec taiga

Fabio Gennaretti¹  · David Huard² · Maud Naulier³ · Martine Savard⁴ · Christian Bégin⁴ · Dominique Arseneault⁵ · Joel Guiot¹