

**GEOFFREY DONOVAN**  
**SELECTED PUBLICATIONS**

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URBAN FORESTS AND PUBLIC HEALTH

**Donovan, G.H.**, Prestemon, J. P, Kaminski, A. R, & Michael, Y. L. 2025. [Tree planting and birthweight](#). Science of the Total Environment. 975, 179229.

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Godina, S. L., Rosso, A. L., Hirsch, J. A., Besser, L. M., Lovasi, G. S., **Donovan, G.H.**, et al. 2023. [Neighborhood greenspace and cognition: The cardiovascular health study](#). Health & place. 79, 102960.

Torres Toda, M., Avraam, D., James Cadman, T., Fossati, S., de Castro, M., Dedele, A., **Donovan, G.H.**, et al. 2022. [Exposure to natural environments during pregnancy and birth outcomes in 11 European birth cohorts](#). Environment International. 170, 107648.

**Donovan, G.H.**, Prestemon, J. P., Gatziolis, D., Michael, Y. L., Kaminski, A. R. & Dadvand, P. 2022. [The association between tree planting and mortality: A natural experiment and cost-benefit analysis](#). Environment International 170, 107609.

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**Donovan, G.H.**, Gatziolis, D., Mannetje, A.t., Weinkove, R., Fyfe, C., Douwes, J., 2021. [An empirical test of the biodiversity hypothesis: Exposure to plant diversity is associated with a reduced risk of childhood acute lymphoblastic leukemia](#). Science of the Total Environment 768: 144627.

Hartley, K., Ryan, P. H., Gillespie, G. L., Perazzo, J., Wright, J. M., Rice, G. E., **Donovan, G.H.**, et al. 2022. [Residential greenness, asthma, and lung function among children at high risk of allergic sensitization: a prospective cohort study](#). Environmental Health. 21, 1-11.

**Donovan, G.H.**, Landry, S.M., Gatziolis, D., 2021. [The natural environment, plant diversity, and adult asthma: A retrospective observational study using the CDC's 500 Cities Project Data](#). Health and Place 67: 102494.

**Donovan, G.H.**, Y. L. Michael, D. Gatziolis, A. T. Mannetje and J. Douwes 2019. [Association between exposure to the natural environment, rurality, and attention-deficit hyperactivity disorder in children in New Zealand: a linkage study](#). *The Lancet Planetary Health* 3(5): e226-e234.

**Donovan, G.H.**, D. Gatziolis and J. Douwes 2019. [Relationship between exposure to the natural environment and recovery from hip or knee arthroplasty: A New Zealand retrospective cohort study](#). *BMJ Open* 9(9).

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**Donovan, G.H.**, Y.L. Michael, D. Gatziolis, J.P. Prestemon and E.A. Whitsel. 2015. [Is tree loss associated with cardiovascular-disease risk in the Women's Health Initiative? A natural experiment](#). *Health and Place* 36: 1-7

**Donovan, G.H.,** D.T. Butry, Y.L. Michael, J.P. Prestemon, A.M. Liebhold, D. Gatziolis and M.Y. Mao. 2013. [The relationship between trees and human health: Evidence from the spread of the emerald ash borer](#). *American Journal of Preventive Medicine*. 44: 139-145.

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#### PROPERTY MARKET

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#### UTILITIES

**Donovan, G.H.**, D.T. Butry and M.Y. Mao. 2016. [Statistical Analysis of Vegetation and Stormwater Runoff in an Urban Watershed During Summer and Winter Storms in Portland, Oregon](#), U.S. *Journal of Arboriculture and Urban Forestry* 42: 318-328.

**Donovan, G.H.**, David Butry. 2009. [The value of shade: Estimating the effect of urban trees on summertime electricity use](#). *Energy and Buildings*. 41(6):662-668

## CRIME

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## ENVIRONMENTAL JUSTICE

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