

## Peer-reviewed journal articles

### 2020

Sekki, P., Karvinen, T. & Vinha, J. 2020. **Moisture behavior of external insulated precast concrete wall panels**. Journal of Building Physics, e-published 16 June 2020. Final published version available in [TUTCRIS](#).

Kivioja, H. & Vinha, J. 2020. **Hot-box measurements to investigate internal convection of highly insulated loose-fill insulation roof structures**. Energy and Buildings, e-published 17 March 2020, Vol. 216.

Lindberg, T., Kaasalainen, T., Moisio, M., Mäkinen, A., Hedman, M. & Vinha, J. 2020. **Potential of space zoning for energy efficiency through utilization efficiency**. Advances in Building Energy Research, e-published 27 June 2018, Vol. 14 (1), pp. 19-40. Accepted manuscript available in [TUTCRIS](#).

Kaasalainen, T., Mäkinen, A., Lehtinen, T. Moisio, M. & Vinha, J. 2020. **Architectural window design and energy efficiency: impacts on heating, cooling and lighting needs in Finnish climates**. Journal of Building Engineering, e-published 17 October 2019, Vol. 27.

### 2019

Fedorik, A., Heiskanen, R., Laukkarinen, A. & Vinha, J. 2019. **Impacts of multiple refurbishment strategies on hygrothermal behaviour of basement walls**. Journal of Building Engineering, e-published 29 July 2019, Vol. 26. Accepted manuscript available in [TUTCRIS](#).

Leivo, V., Kiviste, M., Aaltonen, A., Prasauskas, T., Martuzevicius, D. & Haverinen-Shaughnessy, U. 2018. **Analysis of hygrothermal parameters in Finnish and Lithuanian multi-family buildings before and after energy retrofits**. Journal of Buildings Physics, e-published 18 April 2018, Vol. 42 (4), pp. 441–457. Accepted manuscript available in [TUTCRIS](#).

Du, L., Leivo, V., Prasauskas, T., Täubel, M., Martuzevicius, D. & Haverinen-Shaughnessy, U. **Effects of energy retrofits on Indoor Air Quality in multifamily buildings**. Indoor Air, e-published 28 Mar 2019, pp. 1–12.

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## 2018

Leivo, V., Prasauskas, T., Du, L., Turunen, M., Kiviste, M., Aaltonen, A., Martuzevicius, D. & Haverinen-Shaughnessy, U. 2018. **Indoor thermal environment, air exchange rates, and carbon dioxide concentrations before and after energy retro fits in Finnish and Lithuanian multi-family buildings**. Science of the Total Environment, e-published 27 November 2017, Vol. 621, pp. 398–406. Accepted manuscript available in [TUTCRIS](#).

Haverinen-Shaughnessy, U., Martuzevičius, D., Aaltonen, A., Pekkonen, M., Prasauskas, T., Kiviste, M., Leivo, V. & Turunen, M. 2018. **Occupant satisfaction with indoor environmental quality and health after energy retrofits of multi-family buildings: results from INSULAtE-project**. International Journal of Hygiene and Environmental Health, e-published 30 May 2018, Vol. 221 (6), pp. 921–928. Accepted manuscript available in [TUTCRIS](#).

Laukkarinen, A., Kero, P. & Vinha, J. 2018. **Condensation at the Exterior Surface of Windows**. Journal of Building Engineering, e-published 28 June 2018, Vol. 19, pp. 592-601.

Salo, J., Huttunen, P., Vinha, J. & Kesikuru, T. 2018. **Numerical study of time-dependent hygrothermal conditions in depressurized crawl space. Building Simulation**. e-published 3 May 2018, Vol. 11 (6), pp. 1067-1081. Accepted manuscript available in [TUTCRIS](#).

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Vinha, J., Salminen, M., Salminen, K., Kalamees, T., Kurnitski, J. & Kiviste, M. 2018. **Internal moisture excess of residential buildings in Finland**. Journal of Building Physics, e-published 12 January 2018, Vol. 42 (3), pp. 239-258. Accepted manuscript available in [TUTCRIS](#).

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Kiviste, M. & Vinha, J. 2017. **Air pressure difference measurements in Finnish municipal service buildings**. In: Geving, S. & Time, P. (eds.) NSB 2017. Energy Procedia, e-published 17 October 2017, Vol. 132, pp. 879-884. Final published version available in [TUTCRIS](#).

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