Indoor and Built Environment

Contents

727 Fast prediction for indoor environment:

Models assessment

Z. Feng, C. W. Yu and S.-J. Cao

Review Paper

731 Initiatives to achieve energy efficiency for residential buildings in India: A review

N. Garg, A. Kumar, S. Pipralia and P. Garg

Original Papers

744 Improving energy efficiency of existing residential buildings using effective thermal retrofit of building envelope

C. Far and H. Far

761 The on-board carbon dioxide concentrations and ventilation performance in passenger cabins of US domestic flights

X. Cao, C. D. Zevitas, J. D. Spengler, B. Coull, E. McNeely, B. Jones, S. M. Loo, P. MacNaughton and J. G. Allen

772 Optimizing the indoor thermal behaviour of housing units in hot humid climates: Analysis and modelling of sustainable constructive alternatives Y. García, J. Cuadrado, J. M. Blanco and E. Roji

790 Effects of ventilation state of vertical shaft on fire tilt direction and smoke migration behaviours in a multi-storey building

Y. Huang, X. Zhou, B. Cao and L. Yang

806 Numerical investigation of general and local thermal comfort of an office equipped with radiant panels

B. Karacavus and K. Aydin

825 Ionizing radiation shielding effectiveness of decorative building materials (porcelain and ceramic tiles) used in Bangladeshi dwellings
S. Yasmin, M. U. Khandaker, B. S. Barua, M. N. Mustafa, F.-U.-Z. Chowdhury, M. A. Rashid and D. A. Bradley

837 Field measurement and influence mechanism analysis of the albedo for a typical urban concrete surface

K. Xu, E. Long, J. Li and L. Xu

848 A multivariate regression to predict daylighting and energy consumption of residential buildings within hybrid settlements in hot-desert climates

M. Ayoub