

PHOENICS Publications 2025-2001

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F.A.Prasetya, T.Fukasawa, T.Ishigami, K.Fukui

Classification performance analysis of a louver classifier with a tilted sidewall and its application to the separation of unburned carbon from biomass combustion ash

Separation and Purification Technology 355 (2025) 129778

M.Yin, B.-J.He

Performance-based urban ventilation corridor for actual achievement of environmental benefits

Building and Environment 270 (2025) 112536

E. Martínez-Espinosa, W. Vicente, M. Salinas-Vazquez, J. Ramírez-Cruz.

Numerical study of the effect of flow patterns on contaminant removal in a hospital ward with symmetrical and asymmetrical inlet port arrangements

Science of the Total Environment 979 (2025) 179439

S.Esmaeli, S.H.Park, J.D.Yan

Radiative behaviour of nozzle-confined switching arcs burning in axially blown C₄F₇N + CO₂ + PTFE mixture

International Journal of Thermal Sciences 213 (2025) 109825

H.Wang et al.

Optimizing vertical urban development: The role of a multidimensional assessment framework for balancing vertical growth and habitability

Habitat International 161 (2025) 103424

Z.Wang et al.

Evaluation of the influence of traditional village square layout factors on wind comfort.

Building and Environment 267 (2025) 112160

K.Kowalski, P.Błasiak, S.Pietrowicz

A review of scraped surface heat exchangers: Parameters describing thermal-fluid processes, influence of their internal geometric parameters and energy consumption

International Journal of Heat and Mass Transfer 236 (2025) 126336

W.Huang, Q.Xu, B.Zhao, Q.Lv, G.Wang,

Urban multi-scale building energy modelling (BEM) and CFD integration: Tools, strategies and accuracy for energy microclimate analysis.

Journal of Building Engineering, 103 (2025) 112041.

H.Fu, Y.Jiao, L.Deng, W.Wang

Dynamic impacts of vegetation growth and urban development on microclimate and building energy consumption

Sustainable Cities and Society 126 (2025) 106382

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M.Yuan, Y.Geng, B.Lin, H.Tang, Y.Yang

Optimization of indoor temperature sensor deployment in large spaces for multiple building operation scenarios using the genetic algorithm

Journal of Building Engineering 96 (2024) 110446

Q.Zhang, L.Li, J.Zhou, W.W.Braham, N.Ma

A spatial analysis of ozone and PM2.5 distribution for assessing design factors of healthy buildings

Journal of Building Engineering 89 (2024) 109357

D.Song, M.Lu, J.Xing

Impact of spatial layout on vertical wind conditions and comfort levels in high-rise residential buildings in Shenzhen

Urban Climate 55 (2024) 101949

B.Zamora

Numerical investigation on the effects of non-uniform azimuthal heating in natural convection airflow within a vertical tube

International Communications in Heat and Mass Transfer 159 (2024) 108131

T.Nakumura, et al.

Morphological changes in the inferior nasal passage associated with superior repositioning of the maxilla with/without horseshoe osteotomy or turbinectomy

Int. J. Oral Maxillofacial Surgery (2024); 53: 1032–1040

T.Kitamura et al.

Effects of adenoid hypertrophy on nasopharyngeal airway ventilation: A computational fluid dynamics study

International Journal of Pediatric Otorhinolaryngology 180 (2024) 111961

S.B Beale, M.R Malin, H Marschall

Remarks on the Physical Basis for the Construction of Diffusion Flux Terms in Finite-volume Equations

(2024) Computational Thermal Science, 16(3):1-17.

A.Ghobadian, I.Talavera, S.Bresciani, C.Troise

Successful establishment of innovation systems for low visibility breakthrough innovations: The role of system builders, proximal institution and legitimacy

Technological Forecasting & Social Change 201 (2024) 123210

M.Wojcik, L.Szabłowski, O.Dybinski

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W. Li, Z. Zhou, C.Wang, Y.Han

Impact of outdoor microclimate on the performance of high-rise multi-family dwellings in cold areas and optimization of building passive design

Building and Environment 248 (2024) 111038

L.Jiang, Z.Fan, Y.Gao, X.Su, J.Rashidov

Optimization of temperature prediction algorithms and simulation of future neighborhood-scale thermal

environments in Chongqing

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Q.Wen, H.Liu, Q.Zhou, Q.Guo, P.Wang, L.Zhang

The Impact of Ground-Floor Elevation of School Buildings on Courtyard Wind Environment

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T.Chen, Q.Liu,X.Wu

Comparison Of Wind Environment Adaptation and Street Space In Traditional Coastal Villages—— A Case Study Of Typical Coastal Villages In Fuzhou City

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B.Zamora

Impact of variable properties in natural convection airflows within simple and adiabatically-extended vertical tubes

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Artificial neural network approach for investigating the impact of convector design parameters on the heat transfer and total weight of panel radiators.

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UMC-based models: An integrating Urban-Micro-Climate performance analysis and numerical methods

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K. Hata, M. Shibahara

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Y.P.Lin, T.L.Huang, S.C.Chung, C.M.Lai

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A.Pohl, Y.Paulley, A.Smith, O.Gustafssona , S.Möller , J. Allvar

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J.Ren, K. Shi, X.Kong , H.Zhou

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P. van den Engel, M.R.Malin, N.K.Venkatesh¹ and L.A. de Araujo Passos

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H.Wang, J. Zhu , Y.Dai, H.Hu

A simplified cooling load calculation method based on equivalent heat transfer coefficient for large space buildings with a stratified air-conditioning system

Energy & Buildings 296 (2023) 113370

L.Xiang , Q.Meng , P.Ren

Effects of environmental and architectural factors on chloride-salt deposition on coastal building surfaces in the Zhujiang River Estuary

Building and Environment 242 (2023) 110554

X.Ying, X.Qin, L.Shen, C.Yu, J.Zhang

An intelligent planning method to optimize high-density residential layouts considering the influence of wind environments

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X.Zhang, Y.Gao, Q.Tao, Y.Min, J.Fan

Improving the pedestrian-level wind comfort by lift-up factors of panel residence complex: Field-measurement and CFD simulation

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Dundrum Village Strategic Housing Development, Microclimatic Wind Analysis and Pedestrian Comfort Report
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