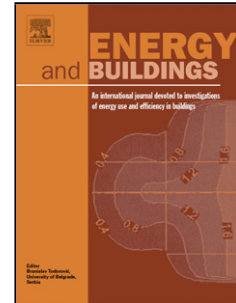


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Authors: Ying Cui, Da Yan, Chien-fei Chen



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Exploring the factors and motivations influencing heating behavioral patterns and future energy use intentions in the hot summer and cold winter climate zone of China

Ying Cui^a, Da Yan^{a,*}, Chien-fei Chen^b

^a School of Architecture, Tsinghua University, Beijing 100084, China

^b NSF-DOE Center for Ultra-wide-area Resilient Electrical Energy Transmission Networks (CURENT), The University of Tennessee, 1520 Middle Drive, Knoxville, TN37996, USA

* Corresponding author.

E-mail address: yanda@tsinghua.edu.cn (D. Yan).

Highlights:

- Occupant behavioral patterns in China's hot summer and cold winter zone play a significant role in the residential energy consumption of China.
- Residents prefer to adopt central-heating systems in the future, which lead to high-energy consumption.
- Family income is the main factor influencing current heating patterns.
- Encouraging residents to adopt lower energy-consumption patterns is essential.
- The residents care about the environmental impacts of energy use; yet, they fail to realize heating patterns could lead to high-energy consumption.

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