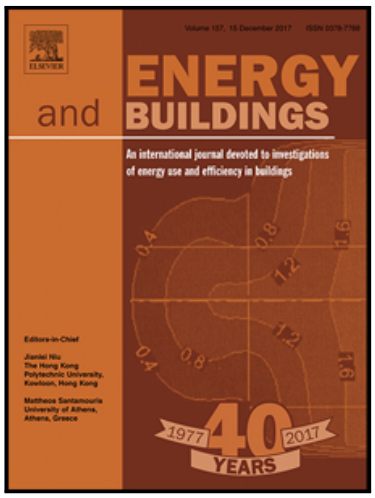

Different responses of cooling energy consumption in office buildings to climatic change in major climate zones of China

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PII: S0378-7788(17)30614-X
DOI: 10.1016/j.enbuild.2018.05.037
Reference: ENB 8578

To appear in: *Energy & Buildings*

Received date: 21 February 2017
Revised date: 12 May 2018
Accepted date: 20 May 2018

Please cite this article as: Mingcai Li , Jingfu Cao , Mingming Xiong , Ji Li , Xiaomei Feng , Fanchao Meng , Different responses of cooling energy consumption in office buildings to climatic change in major climate zones of China, *Energy & Buildings* (2018), doi: 10.1016/j.enbuild.2018.05.037

Highlights

- Building cooling energy consumption is affected by different climate factors in different climate conditions
- Cooling energy consumption did not rise in hot climate conditions with climate warming
- Humidity effect rather than single temperature should be fully considered to improve building energy efficiency
- Humidity change should be used to predict future cooling energy consumption