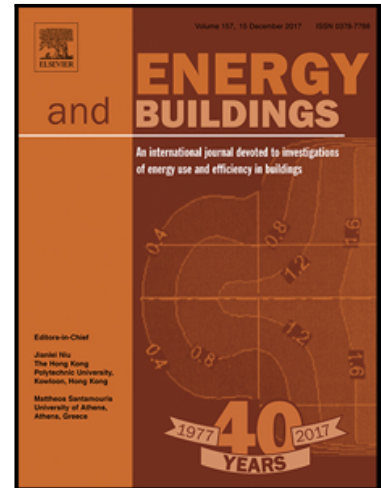


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Different responses of cooling energy consumption in office buildings to climatic change in major climate zones of China

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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

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