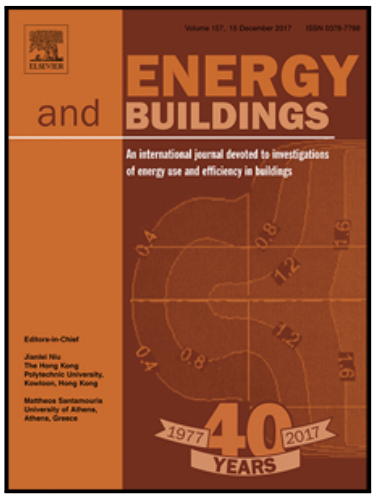


# Energy use characteristics and benchmarking for higher education buildings

M. Khoshbakht , Z. Gou , K. Dupre

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**Highlights**

- Energy use characteristics in different buildings used for various academic activities such as teaching, research, administration, academic office works, and self-learning
- Energy use characteristics in different buildings used for various disciplines such as Business, Health, Science, Arts, Education and Law
- A literature review of exiting benchmarking and energy characteristic studies in educational buildings such as schools and universities
- Comparative study of statistical benchmarking techniques to find the most appropriate benchmarking technique for higher education buildings including methods such as ordinary least square, corrected least square, data envelopment analysis and stochastic frontier analysis
- Energy use benchmark for higher education campus buildings focused on different disciplines and activities