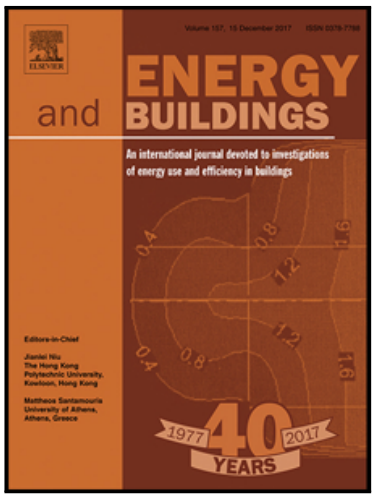

rEMpy: a comprehensive software framework for residential energy management

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Highlights

- An interoperable and open-source residential Energy Management framework is proposed.
- Real-time interaction with thermal modelling software EnergyPlus.
- Modular structure, algorithm-independent system, and easily expandable.
- Easily design microgrid systems with comparative evaluation of different algorithms.