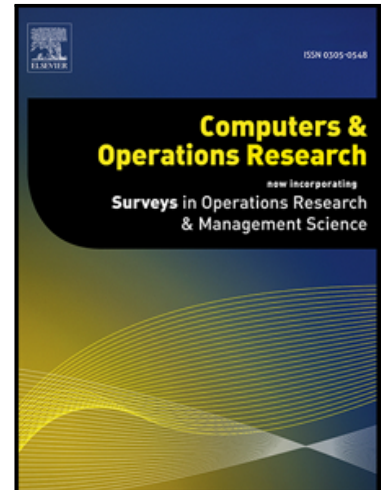


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Energy-efficient bi-objective single-machine scheduling with power-down mechanism

Ada Che , Xueqi Wu , Jing Peng , Pengyu Yan

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Highlights

- We address a single machine scheduling problem with power-down mechanism.
- The aim is to minimize both total energy consumption and maximum tardiness.
- We develop a mixed-integer linear programming (MILP) model.
- Advanced ε -constraint method with local search, preprocessing and valid inequalities.
- The method is validated by benchmark and randomly generated instances.

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