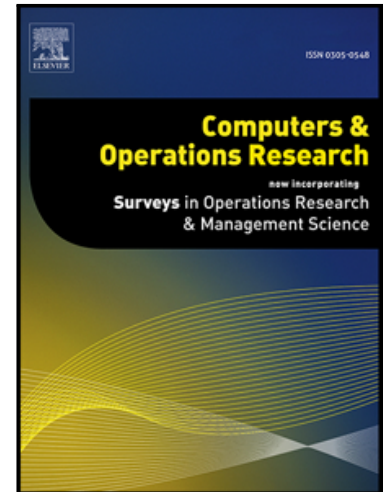


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Efficient simulated annealing based solution approaches to the competitive single and multiple allocation hub location problems

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Highlights

- Competitive single and multiple allocation hub location problems are addressed.
- New MIP models are proposed for the leader and follower under both allocation schemes.
- Efficient simulated annealing (SA) heuristics are proposed for solving the problems.
- Problem is extended to accommodate more general capture mechanisms.
- Extensive computational experiments are conducted for the considered problems.

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