

# Accepted Manuscript

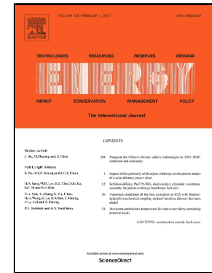
An Optimal Integrated Planning Method for Supporting Growing Penetration of Electric Vehicles in Distribution Systems

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#### Highlights

1. The temporal characteristic of electric vehicle loads is considered
2. We proposed a novel dual-stage optimization model to formulate the problem
3. We take into account the reliability requirements of system in the planning process
4. A heuristic algorithm embedded with reliability analysis is used to solve the model
5. We used a scenario-based method to deal with the uncertainties that involved

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