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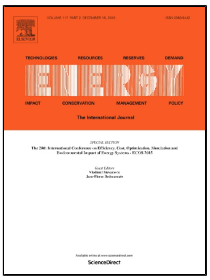

Multi-objective optimal power flow based on improved strength Pareto evolutionary algorithm

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- Multi-objective optimal power flow is solved by improved evolutionary algorithm.
- Three strategies are proposed to enhance the performances of the proposed method.
- The effect of the improved algorithm is evaluated using c-Metric and spacing-metric.
- The superiority of the improved evolutionary algorithm is verified by examples.
- Better Pareto optimal solutions for multi-objective optimal power flow are obtained.

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