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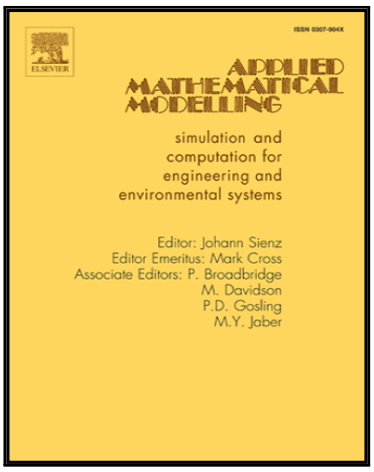

A hybrid forecasting approach applied in the electrical power system based on data preprocessing, optimization and artificial intelligence algorithms

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Highlights

- A hybrid model is proposed to forecast key indicators in electrical power system.
- A data preprocessing method is developed to denoise the original time series data.
- A combination of improved algorithms can enhance the forecasting accuracy greatly.
- Three experiments all prove the good performance of the proposed hybrid model.
- Forecasting validity degree is used to evaluate the model more comprehensively.

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