

# Accepted Manuscript

Multifactor-Influenced Energy Consumption Forecasting Using Enhanced Back-propagation Neural Network

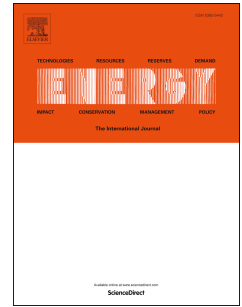
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## Highlights

- Enhanced back-propagation neural network (ADE-BPNN) for energy consumption forecasting.
- ADE-BPNN outperforms the current best models for two comparative cases.
- Mean impact value approach explores socio-economic factors' relative importance.
- ADE-BPNN's adjusted goodness-of-fit is 99.2% for China's energy consumption forecasting.

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