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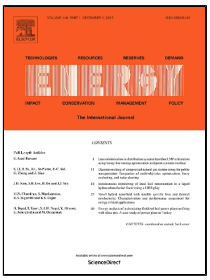

A coordinated energy security model taking strategic petroleum reserve and alternative fuels into consideration

Dan Gao, Zheng Li, Pei Liu, Jiazhu Zhao, Yuning Zhang, Canbing Li

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Highlights

A quantitative model is proposed for energy security analysis with strategic petroleum reserve and alternative fuels.
Demonstrating examples in China have been analyzed as case studies.
CCS is considered to determine scale of alternative fuels.
Optimal scales of alternative fuels are determined based on quantitative analysis.

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