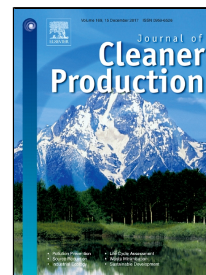


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Exergy and economic analyses of indirect coal-to-liquid technology coupling carbon capture and storage



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Highlights

>Coal-to-liquids (CTL) coupling with CCS consuming five types of coal was simulated via Aspen Plus.

> Five types of coal were compared by both exergy analysis and economic analysis.

> Gas coal could be a better choice considering exergy utilization ratio and cost compared with the others.

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