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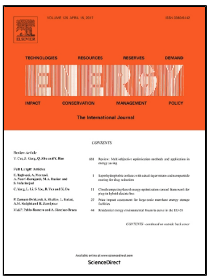

Prediction models for chemical exergy of biomass on dry basis from ultimate analysis using available electron concepts

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- A new concept — chemical exergy per (modified) reductance degree is established.
- Chemical exergy per modified reductance degree is approximately constant.
- Estimation model of chemical exergy based on new concept provides higher accuracy.
- Chemical exergy of biomass (db) can be easily estimated by simply using C and H.

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