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Supercritical water gasification of microalga *Chlorella PTCC 6010* for hydrogen production: Box-Behnken optimization and evaluating catalytic effect of $\text{MnO}_2/\text{SiO}_2$ and NiO/SiO_2

Roudabeh Samiee-Zafarghandi, Javad Karimi-Sabet, Mohammad Ali Abdoli, Abdolreza Karbassi

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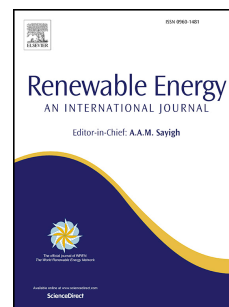
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Chlorella sp. PTCC 6010



Catalyst

Under optimized
operational condition
resulted from
experimental design
based on RSM.



Hydrothermal gasification system



H₂ yield increase

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