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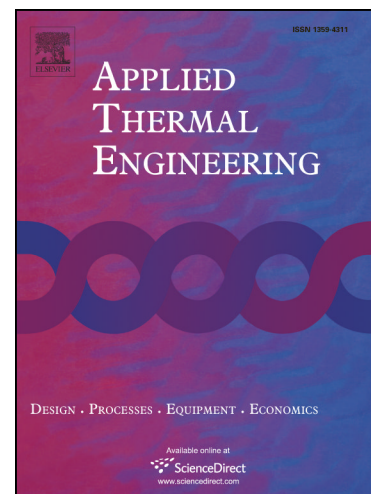
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# Combustion and Emission Characteristics of Simulated Biogas from Two-Phase Anaerobic Digestion (T-PAD) in a Spark Ignition Engine

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- Combustion performance of H<sub>2</sub>-rich biogases in a SI engine was studied
- H<sub>2</sub> addition enhanced engine power and efficiency, reduced UHC and CO at low loads
- Effectiveness of the H<sub>2</sub> enhancement was more profound at low engine loads
- At high loads, H<sub>2</sub> addition hardly changed UHC and CO but increased NO<sub>x</sub> emissions

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