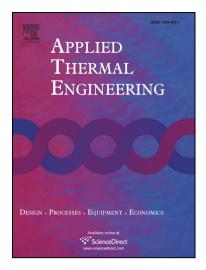
#### Accepted Manuscript

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Christoph P. Falter, Robert Pitz-Paal

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#### **ACCEPTED MANUSCRIPT**

# **Modeling counter-flow particle heat**

#### exchangers for two-step solar

## thermochemical syngas production

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