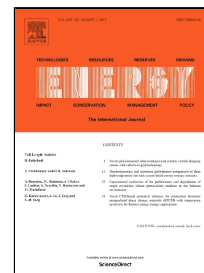


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Thermodynamic Performance Assessment of Solar Based Sulfur-Iodine Thermochemical Cycle for Hydrogen Generation

Fatih Yilmaz, Reşat Selbaş



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A new solar based S-I thermochemical cycle for hydrogen generation is developed

Energy and exergy analyses of each step of S-I cycle are performed

A clean hydrogen generation method is proposed

The overall energy and exergy efficiency of system are calculated as 32.76% and 34.56%, respectively

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