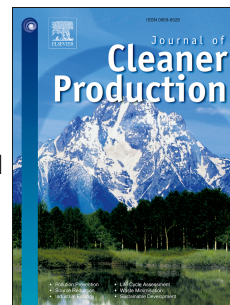


Accepted Manuscript

Conceptual design and analysis of a novel process for hydrogen liquefaction assisted by absorption precooling system

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PII: S0959-6526(18)32713-6

DOI: [10.1016/j.jclepro.2018.09.001](https://doi.org/10.1016/j.jclepro.2018.09.001)

Reference: JCLP 14136

To appear in: *Journal of Cleaner Production*

Received Date: 28 April 2018

Revised Date: 21 August 2018

Accepted Date: 1 September 2018

Please cite this article as: Aasadnia M, Mehrpooya M, Conceptual design and analysis of a novel process for hydrogen liquefaction assisted by absorption precooling system, *Journal of Cleaner Production* (2018), doi: 10.1016/j.jclepro.2018.09.001.

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- A novel hydrogen liquefaction process is introduced and analyzed
- Mixed refrigerant (MR) system and an solar absorption refrigeration cycle are used
- The specific energy consumption (SEC) of the process is $6.47 \text{ kWh/kg}_{LH_2}$

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