

Accepted Manuscript

Research Paper

Convective heat transfer of supercritical CO₂ in a rock fracture for enhanced geothermal systems

Le Zhang, Peixue Jiang, Zhenchuan Wang, Ruina Xu

PII: S1359-4311(17)30079-0

DOI: <http://dx.doi.org/10.1016/j.applthermaleng.2017.01.013>

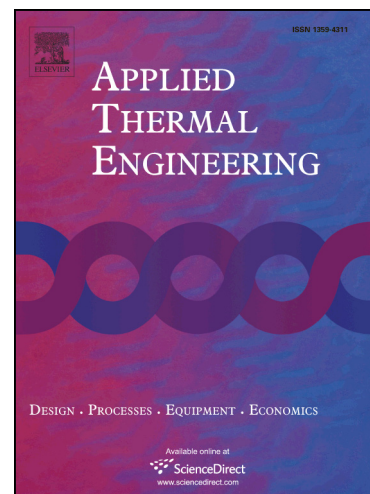
Reference: ATE 9777

To appear in: *Applied Thermal Engineering*

Received Date: 31 October 2016

Revised Date: 20 December 2016

Accepted Date: 5 January 2017



Please cite this article as: L. Zhang, P. Jiang, Z. Wang, R. Xu, Convective heat transfer of supercritical CO₂ in a rock fracture for enhanced geothermal systems, *Applied Thermal Engineering* (2017), doi: <http://dx.doi.org/10.1016/j.applthermaleng.2017.01.013>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Convective heat transfer of supercritical CO₂ in a rock fracture for
enhanced geothermal systems**

Le Zhang ^a, Peixue Jiang ^a, Zhenchuan Wang ^a, Ruina Xu ^{a, *}

Beijing Key Laboratory for CO₂ Utilization and Reduction Technology

^a Key Laboratory of CO₂ Utilization and Reduction Technology of Beijing,

Key Laboratory for Thermal Science and Power Engineering of Ministry of Education

Department of Thermal Engineering, Tsinghua University, Beijing 100084, PR China

*All correspondence should be addressed to Ruina Xu

Address: Department of Thermal Engineering, Tsinghua University, Beijing 100084,

China

Telephone: (8610) 62792294; Fax: (8610) 62792294;

E-mail: ruinaxu@mail.tsinghua.edu.cn

Download English Version:

<https://daneshyari.com/en/article/4991656>

Download Persian Version:

<https://daneshyari.com/article/4991656>

[Daneshyari.com](https://daneshyari.com)