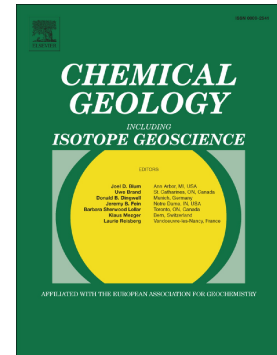


# Accepted Manuscript

Evolution of planar fractures in limestone: The role of flow rate, mineral heterogeneity and local transport processes

Catherine Noiriel, Hang Deng



PII: S0009-2541(18)30423-6  
DOI: [doi:10.1016/j.chemgeo.2018.08.026](https://doi.org/10.1016/j.chemgeo.2018.08.026)  
Reference: CHEMGE 18890  
To appear in: *Chemical Geology*  
Received date: 23 April 2018  
Revised date: 20 August 2018  
Accepted date: 28 August 2018

Please cite this article as: Catherine Noiriel, Hang Deng , Evolution of planar fractures in limestone: The role of flow rate, mineral heterogeneity and local transport processes. *Chemge* (2018), doi:[10.1016/j.chemgeo.2018.08.026](https://doi.org/10.1016/j.chemgeo.2018.08.026)

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.

# Evolution of planar fractures in limestone: the role of flow rate, mineral heterogeneity and local transport processes

Catherine Noiriel<sup>1,\*</sup> and Hang Deng<sup>2</sup>

<sup>1</sup>Géosciences Environnement Toulouse, Observatoire Midi-Pyrénées, Université Paul Sabatier, CNRS, IRD, Université de Toulouse, 14 avenue Edouard Belin, F-31400 Toulouse, France. [catherine.noiriel@univ-tlse3.fr](mailto:catherine.noiriel@univ-tlse3.fr)

<sup>2</sup>Energy Geosciences Division, Earth and Environmental Sciences Area, Lawrence Berkeley National Laboratory, Berkeley, California 94720, United States. [hang.deng@lbl.gov](mailto:hang.deng@lbl.gov)

\*corresponding author

## KEYWORDS

Reactive transport; dissolution; mineral heterogeneity; fracture; kinetics; modeling; X-ray micro-tomography

Download English Version:

<https://daneshyari.com/en/article/10224332>

Download Persian Version:

<https://daneshyari.com/article/10224332>

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