

Accepted Manuscript

Geochemistry of limestones deposited in various plate tectonic settings

Kai-Jun Zhang, Qiu-Huan Li, Li-Long Yan, Lu Zeng, Lu Lu, Yu-Xiu Zhang, Jie Hui, Xin Jin, Xian-Chun Tang



PII: S0012-8252(16)30243-4
DOI: doi: [10.1016/j.earscirev.2017.02.003](https://doi.org/10.1016/j.earscirev.2017.02.003)
Reference: EARTH 2383
To appear in: *Earth-Science Reviews*
Received date: 17 August 2016
Revised date: 9 February 2017
Accepted date: 9 February 2017

Please cite this article as: Kai-Jun Zhang, Qiu-Huan Li, Li-Long Yan, Lu Zeng, Lu Lu, Yu-Xiu Zhang, Jie Hui, Xin Jin, Xian-Chun Tang , Geochemistry of limestones deposited in various plate tectonic settings. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Earth(2016), doi: [10.1016/j.earscirev.2017.02.003](https://doi.org/10.1016/j.earscirev.2017.02.003)

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.

Geochemistry of limestones deposited in various plate tectonic settings

Kai-Jun Zhang^{1,2,*}, Qiu-Huan Li^{1,2}, Li-Long Yan^{1,2}, Lu Zeng^{1,2}, Lu Lu^{1,2}, Yu-Xiu Zhang^{1,2}, Jie Hui^{1,2}, Xin Jin^{1,2}, Xian-Chun Tang^{1,2}

¹ *Asian Tectonics Research Group and College of Earth Science, University of Chinese Academy of Sciences, Beijing 100049, China;*

² *Key Laboratory of Computational Geodynamics, Chinese Academy of Sciences, Beijing 100049, China.*

Abstract

Limestone, a major part of the global sedimentary succession, susceptible to post-depositional diagenesis. Studies of limestone geochemistry are essential in the discrimination of tectonic settings of basins in which the limestones were deposited. Six Late Mesozoic and one Tertiary limestone successions of Tibet, western China, that were deposited in oceanic plateau, passive continental margin, active continental margin (fore-arc basin, back-arc basin and foreland basin) and continental inland freshwater basins were analyzed for their major, trace and rare earth element (REE) composition. This geochemical dataset, in combination with the Deep Sea Drilling Project and Ocean Drilling Program (DSDP and ODP) literature geochemical data

* Corresponding author. E-mail: kaijun@ucas.ac.cn; kai-jun@qq.com.

Download English Version:

<https://daneshyari.com/en/article/5785172>

Download Persian Version:

<https://daneshyari.com/article/5785172>

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