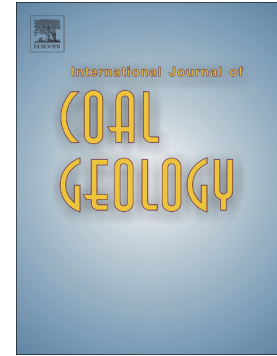


Accepted Manuscript

Burial and thermal evolution of coal-bearing strata and its mechanisms in the southern North China Basin since the late Paleozoic

Kun Yu, Yiwen Ju, Jin Qian, Zhenghui Qu, Chunjing Shao, Kelong Yu, Yi Shi



PII: S0166-5162(18)30601-3
DOI: [doi:10.1016/j.coal.2018.09.007](https://doi.org/10.1016/j.coal.2018.09.007)
Reference: COGEL 3081

To appear in: *International Journal of Coal Geology*

Received date: 29 June 2018
Revised date: 3 September 2018
Accepted date: 10 September 2018

Please cite this article as: Kun Yu, Yiwen Ju, Jin Qian, Zhenghui Qu, Chunjing Shao, Kelong Yu, Yi Shi, Burial and thermal evolution of coal-bearing strata and its mechanisms in the southern North China Basin since the late Paleozoic. *Cogel* (2018), doi:[10.1016/j.coal.2018.09.007](https://doi.org/10.1016/j.coal.2018.09.007)

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.

Burial and thermal evolution of coal-bearing strata and its mechanisms in the southern North China Basin since the late Paleozoic

Kun Yu ^a, Yiwen Ju ^{a,*}, Jin Qian ^a, Zhenghui Qu ^b, Chunjing Shao ^c,
Kelong Yu ^a, Yi Shi ^d

^aKey Laboratory of Computational Geodynamics, College of Earth and Planetary Sciences, University of Chinese Academy of Sciences, Beijing 100049, China

^bSchool of Resources and Geoscience, China University of Mining and Technology, Xuzhou 221116, China

^cSchool of Earth Sciences and Engineering, Nanjing University, Nanjing 210023, China

^dDepartment of Earth, Ocean Science, University of British Columbia, British Columbia V6T 1Z4, Canada

*Corresponding author.

Abstract: During the interaction between the South China plate and the North China plate, the southern North China Basin (SNCB) underwent a strong tectonic thermal evolution in the early Mesozoic. Recently, burial history reconstruction and thermal maturity simulation of coal-bearing strata from the Late Carboniferous to the present were carried out in the SNCB. Rock-Eval pyrolysis (12 samples), vitrinite reflectance (60 samples), apatite fission track (AFT) analysis (17 samples), and

* Corresponding author.
E-mail address: jyw03@163.com (Y.W. Ju).

Download English Version:

<https://daneshyari.com/en/article/11029473>

Download Persian Version:

<https://daneshyari.com/article/11029473>

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