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Cheng Huang, Junjun Song, Jun Shen, Yiming Gong

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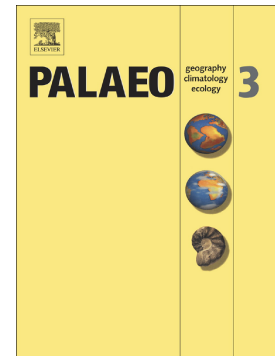
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**The influence of the Late Devonian Kellwasser events on deep-water ecosystems:
Evidence from palaeontological and geochemical records from South China**

Cheng Huang^{a, b}, Junjun Song^{b, c}, Jun Shen^b, Yiming Gong^{b, *}

^a *State Key Laboratory of Oil and Gas Reservoir Geology and Exploitation, Key Laboratory of Carbonate Reservoir of CNPC, Southwest Petroleum University, Chengdu 610500, China*

^b *State Key Laboratory of Biogeology and Environmental Geology, School of Earth Sciences, China University of Geosciences, Wuhan 430074, China*

^c *State Key Laboratory of Palaeobiology and Stratigraphy, Nanjing Institute of Geology and Palaeontology, Chinese Academy of Sciences, Nanjing 210008, China*

ABSTRACT

The Late Devonian Frasnian–Famennian (F–F) event consisting of the Lower and Upper Kellwasser events had a severe impact on shallow-water ecosystems, but its effect on deep-water ecosystems is ambiguous. In order to recognize the Kellwasser events and to evaluate their influences on the deep-water ecosystems, a newly refined conodont biostratigraphic framework spanning the Lower *Palmatolepis rhenana* Zone to the *Pa. delicatula platys* Zone has been established in the Nandong section (basinal facies), Guangxi, South China. The Upper Devonian Lower and Upper Kellwasser horizons (LKH and UKH) have been recognized in the

* Corresponding author.
E-mail address: ymgong@cug.edu.cn (Y. Gong).

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