



Retraction Note: Numerical simulation and analysis of the three-step excavation of an extra-large cross section and a low flat-ratio railway tunnel

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The Editor-in-Chief and the Publisher have retracted this article. The article was submitted to be part of a guest-edited issue. An investigation by the publisher found a number of articles, including this one, with a number of concerns, including but not limited to compromised editorial handling and peer review process, inappropriate or irrelevant references or not being in scope of the journal or guest-edited issue. Based on the investigation's findings,

the Editor-in-Chief therefore no longer has confidence in the results and conclusions of this article. Wenxing Huo and Zhiyu Gao have not responded to correspondence from the Publisher about this retraction. The Publisher has not been able to obtain a current email address for Shifeng Xue, Mingyue Shao and Zongzhi Zhao.

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The original article can be found online at <https://doi.org/10.1007/s00500-021-05862-7>.

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