Dear Editor and Reviewer,

This is a manuscript entitled “**The Construction of No. 2 Dongqu Raw Coal Model and Characterization of** **Methane Formation by Pyrolysis Simulation**” by LI Yao-gao, WANG Chuan-ge. It is submitted to be considered for publication as an “Article” in your journal.

All authors have read and approved this version of the article, and due care has been taken to ensure the integrity of the work. Neither the entire paper not any part of its content has been published or has been accepted elsewhere. It is not being submitted to any other journal.

We believe the paper may be of particular interest to the readers of your journal as pyrolysis simulation about methane formation using ReaxFF and obtain the law of methane formation. It is the first time investigating the combination of simulation and experiment in methane formation and put forward some new ideas.

Correspondence should be addressed to LI Yao-gao at the following address, phone and email address.

Key Laboratory of Coal Science & Technology of Ministry of Education & Shanxi Province,

Department of Earth Science &Engineering,

Taiyuan University of Technology,

Taiyuan 030024,

P. R. China

Phone: +86-184-0655-4170

Email address:leeyog@163.com

Thank you very much for your attention to our paper.

Sincerely yours