## 九州大学学術情報リポジトリ Kyushu University Institutional Repository

## THE ACCELERATED SOLVENT EXTRACTION OF XINYU COKING COAL AND ITS EXTRACTION MECHANISM

Zhang, Lu Applied Science for Electronics and Materials, Kyushu University

Qi, Shi-Chao Applied Science for Electronics and Materials, Kyushu University

Norinaga, Koyo Applied Science for Electronics and Materials, Kyushu University

https://doi.org/10.15017/1809227

出版情報: Proceedings of International Exchange and Innovation Conference on Engineering & Sciences (IEICES). 1, pp.1-, 2015-10-15. 九州大学大学院総合理工学府バージョン: 権利関係:

## THE ACCELERATED SOLVENT EXTRACTION OF XINYU COKING COAL AND ITS EXTRACTION MECHANISM

Lu Zhang, Shi-Chao Qi, Koyo Norinaga Applied Science for Electronics and Materials, Kyushu University. 3ES14031W@s.kyushu-u.ac.jp

**Abstract:** Coking coal from Xinyu of Shanxi Province is extracted under elevated temperature and pressure via Accelerated Solvent and Soxhlet Extraction. Analyzing their GC/MS results, we explore the two extraction methods' impact on the dissolution behavior of small molecules in coal and investigate the mechanism of the extraction.