



OPEN Author Correction: Overburden movement law in strip filling mining of upward mining faces

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Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-024-82930-6>, published online 09 January 2025

The original version of this Article contained citation errors.

As a result, in the Introduction

“Wu et al.¹⁷ studied the mechanism of filling body control over the movement of the overburden and found that the filling rate and steps are key factors in preventing roof failure.”

now reads:

“Wu et al.²³ studied the mechanism of filling body control over the movement of the overburden and found that the filling rate and steps are key factors in preventing roof failure.”

And

“Building on this, Chen et al.²³ examined the spatial structural changes of overburden under three-sided goaf conditions in the Daizhuang Coal Mine with strip filling.”

now reads:

“Building on this, Chen et al.³⁴ examined the spatial structural changes of overburden under three-sided goaf conditions in the Daizhuang Coal Mine with strip filling.”

In addition, in the ‘Overburden movement characteristics under composite structural support’ section, under the subheading ‘Stress distribution patterns of overburden at different advancing distances’.

“As shown in Fig. 23, within the range of 60 m to 80 m from the model boundary, the supporting stress in the mined-out area reaches up to 3.7 MPa, indicating that the fragmented rocks in the mined-out area have begun to experience compaction.”

now reads,

“As shown in Fig. 25, within the range of 60 m to 80 m from the model boundary, the supporting stress in the mined-out area reaches up to 3.7 MPa, indicating that the fragmented rocks in the mined-out area have begun to experience compaction.”

Furthermore, in the Reference list

Reference 18

“Guo, G., Wang, G. & Ma, Z. A new method for ground subsidence control in coal mining. *J. China Univ. Min. Technol.* **02**, 26–29 (2004).”

now reads:

Reference 18

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“Guo, G., Wang, Y. & Ma, Z. A new method for ground subsidence control in coal mining. *J. China Univ. Min. Technol.* **02**, 26–29 (2004).”

Finally, the authors omitted the below Reference, which is listed below as Reference 34.

“Chen, S., Guo, W., Zhou, H. & Wen, G. Structure model and movement law of overburden during strip pillar mining backfill with cream body. *J. China Coal Soc.* 36(07): 1081–1086 (2011).”

The original Article has been corrected.

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