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Correction: Experimental procedures, influencing parameters, and future prospects of geological sequestration of carbon dioxide

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KEYWORDS

carbon capture and storage, storage efficiency, geological conditions, technology innovation, carbon neutrality

A Correction on

Experimental procedures, influencing parameters, and future prospects of geological sequestration of carbon dioxide

by Dai K, Xia Y, Yuan G, Liu T, Zhang H, Song H and Yuan H (2025). *Front. Earth Sci.* 13:1442518. doi: 10.3389/feart.2025.1442518

The following **references** were erroneously omitted:

“Davoodi, S., Al-Shargabi, M., Wood, D. A., Rukavishnikov, V. S., and Minaev, K. M. (2023). Review of technological progress in carbon dioxide capture, storage, and utilization. *Gas Science and Engineering*, 117: 205070.

Davoodi, S., Al-Shargabi, M., Wood, D. A., Mehrad, M., and Rukavishnikov, V. S. (2024). Carbon dioxide sequestration through enhanced oil recovery: a review of storage mechanisms and technological applications. *Fuel*, 366: 131313.”

The citation for Davoodi et al., 2023 was missing from the captions of Figure 3,5, where Li et al., 2013 was erroneously cited. The citation for Davoodi et al., 2024 was missing from the captions of Figures 6,7; in Figure 6, Vega and Kovscek, 2010 was erroneously cited. The corrected **captions** appear below.

“Figure 3. Technologies applicable to carbon capture (Source from Davoodi et al., 2023).

Figure 5. Carbon sequestration cost (USD/tCO₂) with respect to emission reduction potential (GtCO₂) of various technologies (Source from Davoodi et al., 2023).

Figure 6. Risk assessment of factors affecting CO₂-EOR projects: (A) factors itemized with mitigation strategies; (B) matrix displaying risk factors in terms of probability and impact with traffic-light color coding (Source from Davoodi et al., 2024).

Figure 7. Timeline of advancements in worldwide uptake of carbon capture, utilization, and carbon storage (CCUS) technology. (Source from Davoodi et al., 2024).”

The original article has been updated.

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