

Correction

Correction: Choudhary et al. Encapsulation Engineering of Sulfur into Magnesium Oxide for High Energy Density Li–S Batteries. *Molecules* 2024, 29, 5116

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In the original publication [1], there was a mistake in Figure 3a and its interpretation. The errors occurred due to the assignment of mode was not properly ordered. To support this correction, Reference [41] was replaced with a new reference.

The corrected text and Figure 3 appear below.

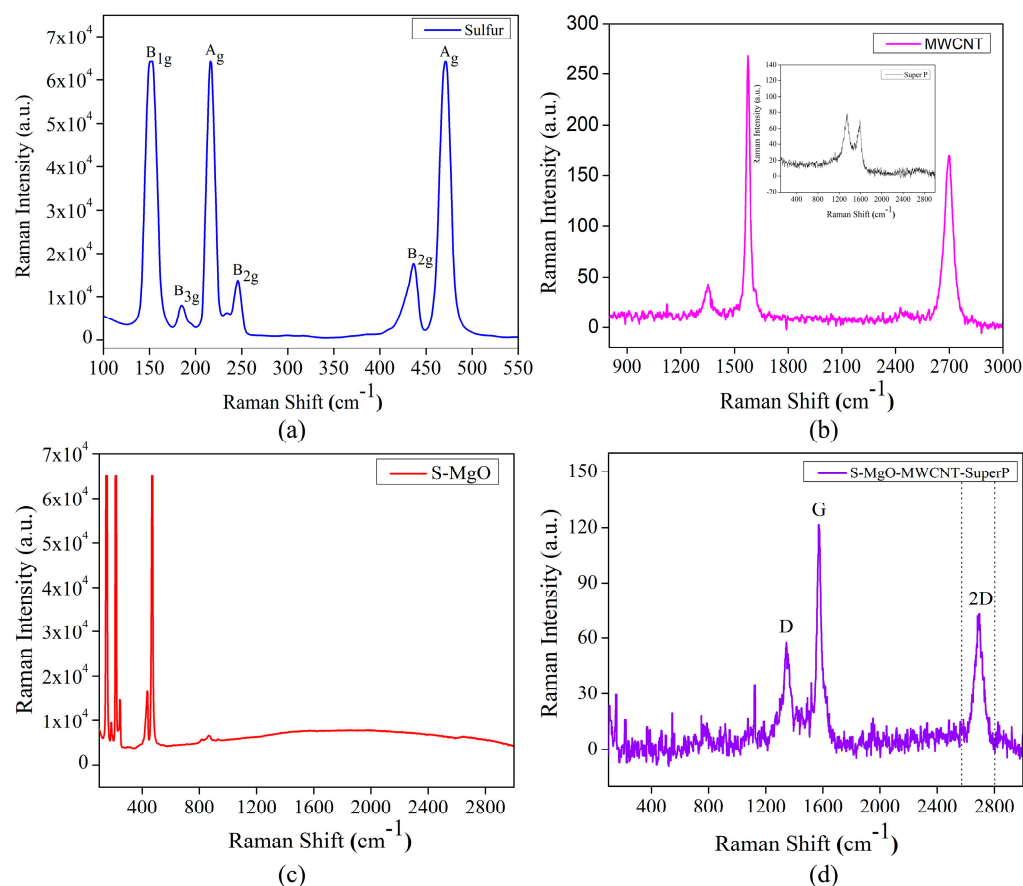


Figure 3. Raman spectra of (a) pristine sulfur, (b) MWCNT (inset: Super P), (c) S/MgO, and (d) S/MgO-MWCNTs-Super P.



Received: 27 December 2024

Accepted: 8 January 2025

Published: 5 February 2025

Citation: Choudhary, S.; Oli, N.; Shweta, S.; Kumar, S.; Bhattarai, M.K.; Malca-Reyes, C.A.; Katiyar, R.K.; Tripathi, B.; Díaz-Vázquez, L.M.; Morell, G.; et al. Correction: Choudhary et al. Encapsulation Engineering of Sulfur into Magnesium Oxide for High Energy Density Li–S Batteries. *Molecules* 2024, 29, 5116. *Molecules* **2025**, *30*, 707. <https://doi.org/10.3390/molecules30030707>

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In Figure 3a, there are various Raman active modes, at about 150, 183, 245, 436 cm^{-1} , corresponding to non-totally symmetric bending/stretching vibrations with B_{1g} , B_{2g} , B_{3g} symmetries. Additionally, the modes at 216 and 470 cm^{-1} correspond to symmetric stretching vibrations with A_g symmetry [38,41].

The replaced Reference [41] appears below.

Wu, H.L.; Huff, L.A.; Gewirth, A.A. In situ Raman spectroscopy of sulfur speciation in lithium–sulfur batteries. *ACS Appl. Mater. Interfaces* **2015**, *7*, 1709–1719. <https://doi.org/10.1021/am5072942>.

The authors state that the scientific conclusions are unaffected. This correction was approved by the Academic Editor. The original publication has also been updated.

Reference

1. Choudhary, S.; Oli, N.; Shweta, S.; Kumar, S.; Bhattarai, M.K.; Malca-Reyes, C.A.; Katiyar, R.K.; Tripathi, B.; Díaz-Vázquez, L.M.; Morell, G.; et al. Encapsulation Engineering of Sulfur into Magnesium Oxide for High Energy Density Li–S Batteries. *Molecules* **2024**, *29*, 5116. [[CrossRef](#)]

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