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Retraction: Carbon content drives high temperature superconductivity in a carbonaceous sulfur hydride below 100 GPa

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Retraction of 'Carbon content drives high temperature superconductivity in a carbonaceous sulfur hydride below 100 GPa' by G. Alexander Smith et al., *Chem. Commun.*, 2022, **58**, 9064–9067, <https://doi.org/10.1039/D2CC03170A>.

We, the named authors, hereby wholly retract this *Chemical Communications* article based on our concerns over the origins of the electrical transport measurements presented. While the validity of the X-ray crystallographic study and structure calculations of carbonaceous sulfur hydride (C–S–H) are maintained, we have lost confidence in the origin of the electrical transport measurements, and therefore all conclusions deduced from the electric measurements, including the superconductivity properties are uncertain. Therefore, this article is being retracted to avoid misleading readers and to protect the accuracy and integrity of the scientific record. We regret any confusion or inconvenience caused to the scientific community.

Ranga P. Dias was contacted but did not respond.

Signed: G. Alexander Smith, Ines E. Collings, Elliot Snider, Dean Smith, Sylvain Petitgirard, Jesse S. Smith, Melanie White, Elyse Jones, Paul Ellison, Keith V. Lawler and Ashkan Salamat, 22nd December 2023.

Retraction endorsed by Richard Kelly, Executive Editor, *Chemical Communications*.

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