



Cite this: *Nanoscale*, 2018, **10**, 20054

Correction: Thickness-dependent in-plane thermal conductivity of suspended MoS₂ grown by chemical vapor deposition

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DOI: 10.1039/c8nr90227e
rsc.li/nanoscale

Correction for 'Thickness-dependent in-plane thermal conductivity of suspended MoS₂ grown by chemical vapor deposition' by Jung Jun Bae *et al.*, *Nanoscale*, 2017, **9**, 2541–2547.

The authors have noticed that ref. 12 was mis-cited in the published article, and so the corrected reference is given in the reference list below.¹

Additionally, the authors wish to account for the difference between the trends observed in ref. 12 and their work. To clarify the origin of this trend for the thickness-dependent thermal conductivity, the authors would like to add the following paragraph:

“This finding is in stark contrast to that observed for graphene⁹ and exfoliated MoS₂,¹² *i.e.* the in-plane thermal conductivity drops sharply with increasing thickness. The thickness-dependent thermal conductivity of MoS₂ cannot be explained by the out-of-plane acoustic vibration mode, the ZA phonon, owing to the breaking of a selection rule in a non-centrosymmetric material (S10 in the ESI). Hence, the thickness dependence of MoS₂ can be rationalized as follows”.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

References

- 1 X. Zhang, D. Sun, Y. Li, G. Lee, X. Cui, D. Chenet, Y. You, T. F. Heinz and J. C. Hone, *ACS Appl. Mater. Interfaces*, 2015, **7**, 25923.

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