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Author Correction: Band gap closure, incommensurability and molecular dissociation of dense chlorine

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Correction to: *Nature Communications* <https://doi.org/10.1038/s41467-019-09108-x>, published online 08 March 2019.

The original version of this Article omitted references to previous experimental reports on solid hydrogen that are relevant for a full understanding of the context of the previous work. The added references are:

47. Akahama, Y. et al. Evidence from x-ray diffraction of orientational ordering in phase III of solid hydrogen at pressures up to 183 GPa. *Phys. Rev. B* **82**, 060101 (2010).

48. Zha, C.-S., Liu, Z. & Hemley, R. J. Synchrotron infrared measurements of dense hydrogen to 360 GPa. *Phys. Rev. Lett.* **108**, 146402 (2012).

49. Dias, R. & Silvera, I. Observation of the Wigner-Huntington transition to metallic hydrogen. *Science* **355**, 715–718 (2017).

50. Eremets, M. I. & Drozdov, A. P. Comments on the claimed observation of the Wigner-Huntington transition to metallic hydrogen. Preprint at <http://arxiv.org/abs/1702.05125> (2017).

51. Loubeyre, P., Occelli, F. & Dumas, P. Comment on: “Observation of the Wigner-Huntington transition to metallic hydrogen”. Preprint at <http://arxiv.org/abs/1702.07192> (2017).

52. Goncharov, A. F. & Struzhkin, V. V. Comment on “Observation of the Wigner-Huntington transition to metallic hydrogen”. *Science* **357**, eaam9736 (2017).

53. Liu, X.-D., Dalladay-Simpson, P., Howie, R. T., Li, B. & Gregoryanz, E. Comment on “Observation of the Wigner-Huntington transition to metallic hydrogen”. *Science* **357**, eaan2671 (2017).

Citations to these reference, plus reference 21, have been added to the fourth sentence of the Introduction: ‘The experimental realisation of atomic metallic hydrogen has remained elusive despite intense research efforts lasting over 30 years^{4–7,21,47–53}.’ This has been corrected in the PDF and HTML versions of the Article.

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