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## CORRECTION

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## Correction: Origin of the temperature dependence of the energy gap in Cr-doped Bi<sub>2</sub>Se<sub>3</sub>

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Correction for 'Origin of the temperature dependence of the energy gap in Cr-doped Bi<sub>2</sub>Se<sub>3</sub>' by Turgut Yilmaz *et al.*, *Phys. Chem. Chem. Phys.*, 2018, DOI: 10.1039/c7cp08049b.

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The authors would like to make the following corrections to their published article:

(1) On page 8627, left column, sentence beginning "For further confirmation...", the formula  $Bi_{1.84}Cr_{0.16}Se_3$  should be replaced with  $Bi_{1.78}Cr_{0.22}Se_3$  so that the amended sentence reads "For further confirmation, we simulate the electron doping effect by growing extra Cr metal on the surface of  $Bi_{1.78}Cr_{0.22}Se_3$  (Fig. 6)."

(2) In Fig. 4,  $Bi_2Se_3$  should be replaced with  $Bi_{1.84}Cr_{0.16}Se_3$  as shown in the amended figure below:



Fig. 4 X-ray diffraction patterns obtained RT (red) and 100 K (blue) for  $Bi_{1.84}Cr_{0.16}Se_3$  films grown on  $Al_2O_3(0001)$  substrates. Data were collected with Cu K $\alpha$  radiation ( $\lambda$  = 1.5418 Å). Dashed lines are for guiding the eyes.

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

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