Cite this: *Phys. Chem. Chem. Phys.*,
2018, 20, 11484

Correction: Origin of the temperature dependence of the energy gap in Cr-doped Bi_2Se_3

Turgut Yilmaz,^{*ab} William Hines,^a Shoroog Alraddadi,^c Joseph I. Budnick^a and Boris Sinkovic^a

DOI: 10.1039/c8cp90075b

Correction for 'Origin of the temperature dependence of the energy gap in Cr-doped Bi_2Se_3 ' by Turgut Yilmaz *et al.*, *Phys. Chem. Chem. Phys.*, 2018, DOI: 10.1039/c7cp08049b.

rsc.li/pccp

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 $\text{Bi}_{1.84}\text{Cr}_{0.16}\text{Se}_3$ should be replaced with $\text{Bi}_{1.78}\text{Cr}_{0.22}\text{Se}_3$ so that the amended sentence reads "For further confirmation, we simulate the electron doping effect by growing extra Cr metal on the surface of $\text{Bi}_{1.78}\text{Cr}_{0.22}\text{Se}_3$ (Fig. 6)."

(2) In Fig. 4, Bi_2Se_3 should be replaced with $\text{Bi}_{1.84}\text{Cr}_{0.16}\text{Se}_3$ as shown in the amended figure below:

Fig. 4 X-ray diffraction patterns obtained RT (red) and 100 K (blue) for $\text{Bi}_{1.84}\text{Cr}_{0.16}\text{Se}_3$ films grown on $\text{Al}_2\text{O}_3(0001)$ substrates. Data were collected with Cu K α radiation ($\lambda = 1.5418 \text{ \AA}$). Dashed lines are for guiding the eyes.

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

^a Department of Physics, University of Connecticut, Storrs, Connecticut 06269, USA. E-mail: yilmaz@phys.uconn.edu

^b Department of Physics, Science and Literature Faculty, Uludag University, Bursa 16059, Turkey. E-mail: turgutyilmaz@uludag.edu.tr

^c Department of Physics, Umm Al-Qura University, Makkah 24382, Kingdom of Saudi Arabia