



Cite this: DOI: 10.1039/d6ma90021f

Correction: Bismuth selenide topological insulator materials for green energy devices: prospects and applications

Razieh Khaki, Mahmood Moradi,* Gholam Hossein Bordbar, Hana Kazemi, Saeid Davatolhagh and Meysam Pazoki*

DOI: 10.1039/d6ma90021f

rsc.li/materials-advances

Correction for 'Bismuth selenide topological insulator materials for green energy devices: prospects and applications' by Razieh Khaki *et al.*, *Mater. Adv.*, 2026, <https://doi.org/10.1039/d5ma00876j>.

The authors regret that the captions for Fig. 2 and 21 had the following errors:

For Fig. 2, the incorrect reference was acknowledged. Below is the updated figure caption:

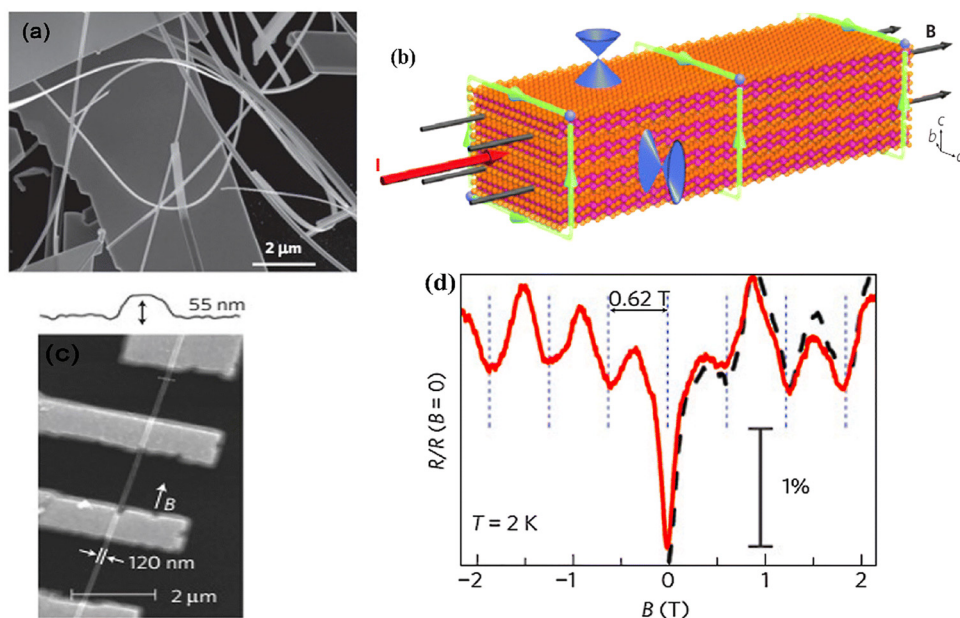


Fig. 2 Aharonov–Bohm effect in the bismuth selenide nano-ribbons. (a) SEM image of the nano-ribbons. (b) Schematic of the electrical current and magnetic field in the nano-ribbons. Surface state Dirac cones are also illustrated. The green loops encircling the same magnetic flux indicate phase-coherent paths through which the surface electrons interfere. (c) SEM image of four terminal magnetoresistance measurements. (d) Normalized magnetoresistance of the nanoribbon versus magnetic fields at 2 K. The solid red and dashed black traces were taken with the scan rates of 3 mT s^{-1} and 10 mT s^{-1} . Reproduced with permission from ref. 66.



For Fig. 21, the material names for Fig. 21a, d and e were incorrect. Below is the updated figure caption:

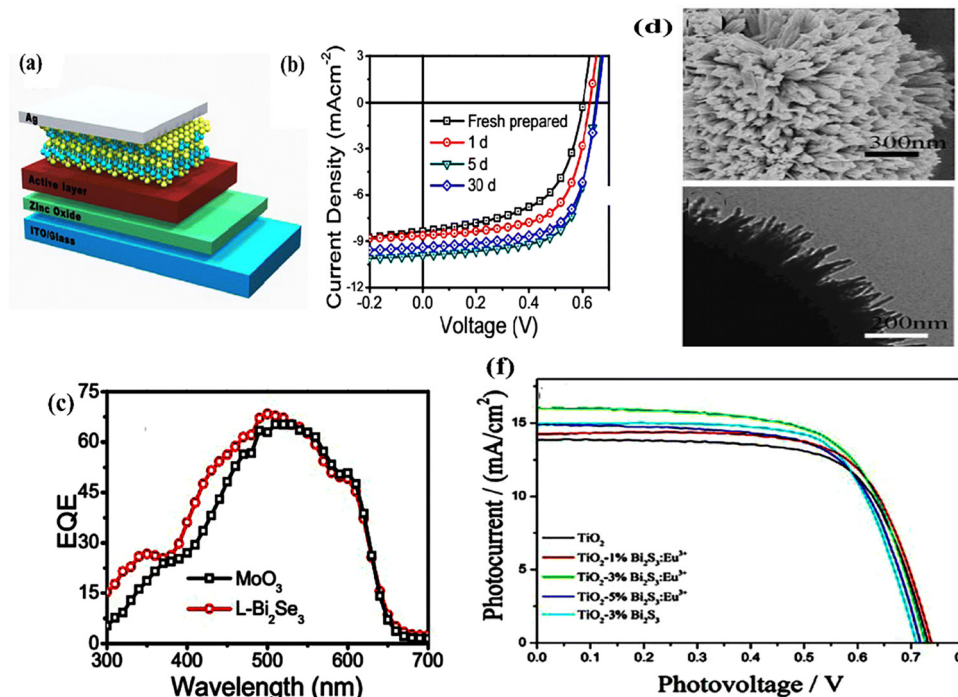


Fig. 21 (a) Schematic of the organic cell device with the Bi_2Se_3 counter electrode and (b) and (c) power conversion efficiency of the device after aging and comparison of incident photon to current efficiency (IPCE) with a typical MO counter electrode. Reprinted with permission from ref. 231 and 236. (d) and (e) SEM and TEM images of bismuth sulfide nanostructures used as an additive in the dye-sensitized solar cells and (f) the PCE improvement with bismuth sulfide additive. Reprinted with permission from ref. 231 and 236.

In addition, in Section 3.4, the sentence “Fermions were theoretically predicted by Ettore Majorana in 1937.” should be replaced with “Majorana fermions were theoretically predicted by Ettore Majorana in 1937.”

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

