

CORRECTION

View Article Online
View Journal | View Issue



Correction: Impact of changes in bond structure on ovonic threshold switching behaviour in GeSe₂

Cite this: *J. Mater. Chem. C*, 2021, 9, 736

Jonas Keukelier,^a Karl Opsomer,^b Thomas Nuytten,^b Stefanie Sergeant,^b Wouter Devulder,^b Sergiu Clima,^b Ludovic Goux,^b Gouri Sankar Kar^b and Christophe Detavernier^{*a}

DOI: 10.1039/d0tc90272a

Correction for 'Impact of changes in bond structure on ovonic threshold switching behaviour in GeSe₂' by Jonas Keukelier *et al.*, *J. Mater. Chem. C*, 2021, DOI: 10.1039/d0tc04086j.

rs.c.li/materials-c

In the published article, Table 4 contained an error in the row "Adding Sb": the entry "Se-Se ↑" should have read "Se-Se ↓". The corrected version of Table 4 is shown below:

Table 4 Summary of the impact of several (post)deposition processes on the bond presence and electrical parameters compared to as-deposited 35% Ge GeSe₂. Arrows indicate an increased or decreased presence of bonds

Process	Impact on bonds	Impact on electrical parameters
Annealing	Pure Ge-Ge & Se-Se ↓ Ge-Se ↑	Lower I_{pris} and higher V_{FF} Leaky after FF
Increasing pressure	ETH Ge-Ge ↑ Ge-Se ↓	Higher I_{pris} and lower V_{FF} Minimal impact on V_{th}
Adding Sb	Se-Se ↓ Se-Sb & Sb-Sb ↑	Higher I_{pris} and lower V_{FF} Large variability
Adding N	Ge-Ge & Ge-Se ↓ Se-Se ↑	Lower I_{pris} and higher V_{FF} Leaky after FF
Co-doping Sb + N	Ge-Ge & Se-Se ↓ Sb-N ↑	Similar I_{pris} and lower V_{th} Better stability

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

^a Department of Solid State Sciences, Ghent University, Krijgslaan 281, Ghent, Belgium. E-mail: Christophe.Detavernier@ugent.be

^b Imec, Kapeldreef 75, Leuven, Belgium

