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## Correction: Depth-resolved oxidational studies of Be/Al periodic multilayers investigated by X-ray photoelectron spectroscopy

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Correction for 'Depth-resolved oxidational studies of Be/Al periodic multilayers investigated by X-ray photoelectron spectroscopy' by Niranjan Kumar *et al.*, *Phys. Chem. Chem. Phys.*, 2023, 25, 1205–1213, <https://doi.org/10.1039/D2CP04778K>.

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The author would like to correct some typographical errors throughout the manuscript:

(1) In the abstract, the last sentence “The investigation showed that the subsurface and surface regions were dominated by metal–hydroxide (BeOH/AlOH) and metal–oxide (BeO<sub>x</sub>/AlO<sub>x</sub>). . .” should be amended to “The investigation showed that the subsurface and surface regions were dominated by metal–oxide (BeO<sub>x</sub>/AlO<sub>x</sub>) and metal–hydroxide (BeOH/AlOH) bonding, respectively, analyzed by the depth-resolved chemical shifts.”

(2) The caption for Fig. 8 “Shift of chemical components: curve 1 – Al–O/Be–O, and curve 2 – Al–OH/Be–OH. . .” should be amended to “Shift of chemical components: curve 1 – Al–OH/Be–OH, and curve 2 – Al–O/Be–O of as-deposited (0) and Ar<sup>+</sup> ion sputtered samples with various time durations.”

(3) On page 5, right column, fifth sentence of second paragraph “The results directly indicate that the subsurface is dominated by metal–OH bonding and the metal–O bonding is dominated. . .” should be amended to “The results directly indicate that the subsurface is dominated by metal–O bonding, and the metal–OH bonding dominates near the surface regions.”

(4) The correct Fig. 9 and the corresponding figure caption are shown below:

(5) In the Conclusions, the last two sentences “The results indicated that the surface regions of the samples were dominated by metal–O bonding (AlO<sub>x</sub> and BeO<sub>x</sub>). However, the oxidational substance near the subsurface region was dominated by metal–OH bonding (AlOH and BeOH).” should be amended to “The results indicated that the surface regions of the samples were dominated by metal–OH bonding (AlOH and BeOH). However, oxidation near the subsurface region was dominated by metal–O bonding (AlO and BeO).”

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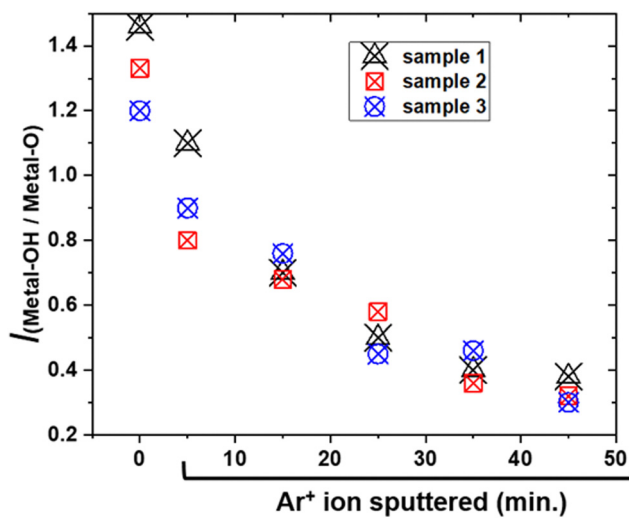


Fig. 9 Intensity ratio of metal–OH/metal–O bonding of (0) as-deposited samples, and  $\text{Ar}^+$  ion sputtered samples 1, 2 and 3 with various sputtering time durations.

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

