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## Correction: Time-, space- and energy-resolved *in situ* characterization of catalysts by X-ray absorption spectroscopy

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Correction for 'Time-, space- and energy-resolved *in situ* characterization of catalysts by X-ray absorption spectroscopy' by Stefan Peters *et al.*, *Chem. Commun.*, 2023, **59**, 12120–12123, <https://doi.org/10.1039/D3CC03277A>.

In the original version of this manuscript, an incorrect version of Fig. 3 was originally published. This figure is updated with the one given below. The changes are as follows:

- The temperature scale has been corrected to begin from 22 °C.
- The representation of the derivatives in sub-figures B, E and H is improved compared with the original, *via* summation over 60 seconds (12 measurements).

Additionally, there is an error in the following sentence on page 12122:

“From the XANES curves in all regions an absorption maximum at approximately 20 020 eV is clearly visible from the beginning of the experiment until 520 °C (1500 s).”

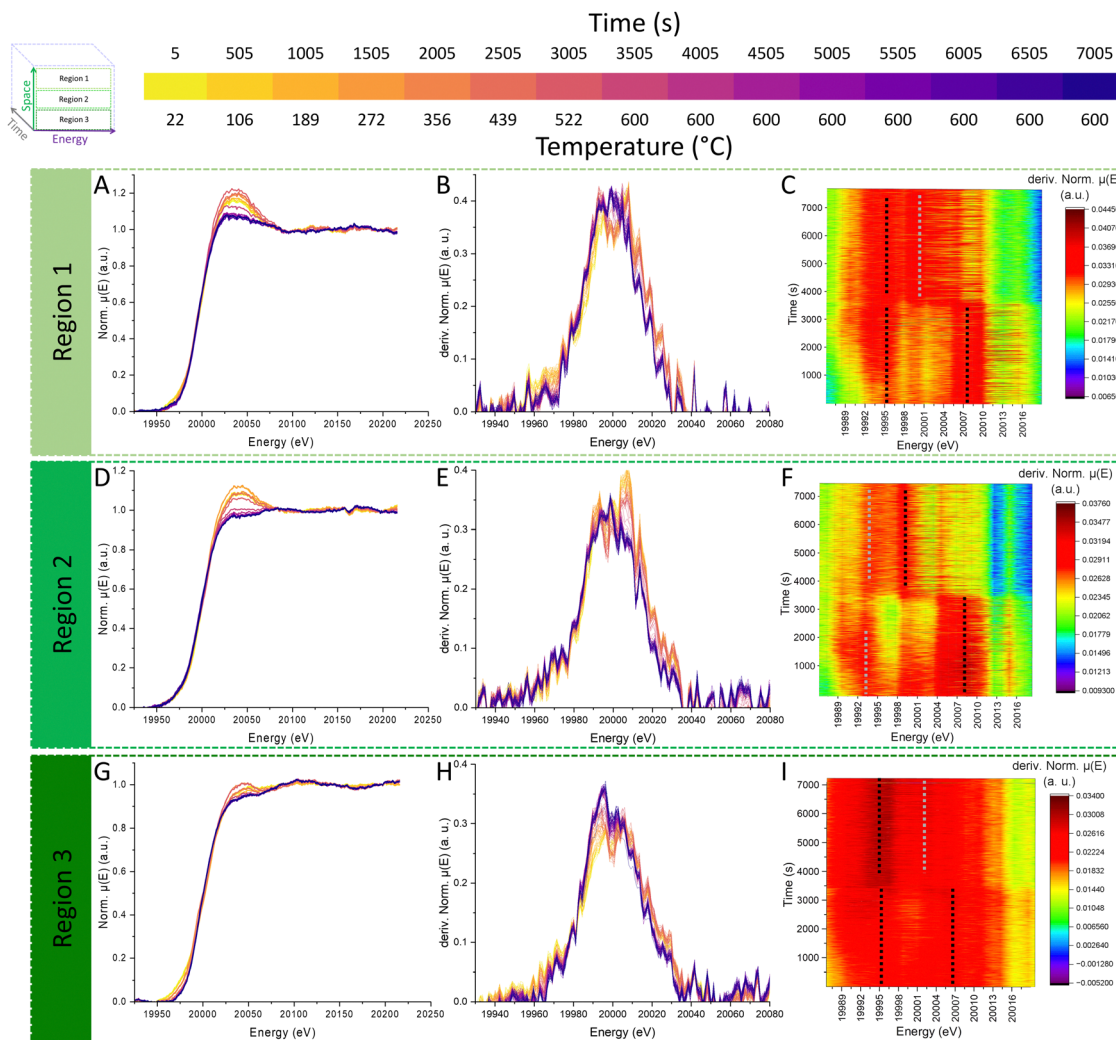
This should instead read “From the XANES curves in all regions an absorption maximum at approximately 20 020 eV is clearly visible from the beginning of the experiment until 520 °C (3000 s).”

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

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**Fig. 3** Three-dimensionally resolved *in situ* XAS investigations of 6Mo/HZSM-5 during ambient pressure MDA in 20% CH<sub>4</sub>/80% N<sub>2</sub>. Measurements were divided into different segments (from inlet to outlet regions 1, 2, 3). For each region, the XANES curves (left column, A, D, G), the corresponding derivatives (middle column, B, E, H), sum of every 60 seconds, and the projection of the derivative curves over the whole experiment with a time resolution of 5 s (right column, C, F, I) are shown. The colors of the lines in the first two columns correspond to the time/temperature plotted at the top of the figure. In the third column, dashed lines corresponding to strong (black) and weak (grey) maxima are added as a visual aid.

