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CORRECTION

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Correction: Improving the direct air capture capacity of grafted amines via thermal treatment

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The authors regret that the m/z data labels were missing in Fig. 3a in the original article. The correct Fig. 3 is provided here.

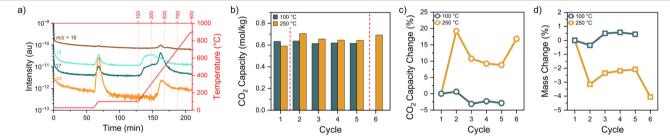


Fig. 3 (a) MS signals corresponding to CO_2 (m/z = 44), H_2O (m/z = 17, 18), and NH_3 (m/z = 16, 17) fragments from the off-gas of high loading ethyl diamine grafted SBA-15 heated in N_2 , as well as temperature plotted against TGA experiment time. The temperature profile is shown on the right axis with temperatures repeated on the top axis for clarity. The sample was held at 100 °C for 1 hour before ramping to 900 °C at 10 °C min⁻¹. (b) Cyclic CO₂ adsorption results for high loading ethyl diamine grafted SBA-15 thermally treated at either 100 or 250 °C for 1 hour between cycles 1 and 2 (red dashed line). The 250 °C sample was thermally treated a second time between cycles 5 and 6. Where otherwise not indicated, both samples were regenerated at 100 °C. The CO₂ adsorption was measured at 30 °C for 6 hours. (c) The change in CO₂ capacity relative to the first untreated cycle. (d) The change in the degassed sample mass relative to the first untreated cycle.

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

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