

Cite this: *J. Mater. Chem. A*, 2020, **8**, 19058

Correction: Local synergetic collaboration between Pd and local tetrahedral symmetric Ni oxide enables ultra-high-performance CO₂ thermal methanation

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DOI: 10.1039/d0ta90205e

rsc.li/materials-a

Correction for 'Local synergetic collaboration between Pd and local tetrahedral symmetric Ni oxide enables ultra-high-performance CO₂ thermal methanation' by Che Yan *et al.*, *J. Mater. Chem. A*, 2020, **8**, 12744–12756, DOI: 10.1039/D0TA02957B.

The authors regret the following errors in the published article:

In the abstract (page 12744), the term 'gas chromatography-mass spectrometer' should instead have read 'gas chromatography spectrometer'. On page 12745, in the sentence beginning 'The corresponding mechanisms...', the term 'gas chromatography mass spectrometry (GC-MS)' should instead have read 'gas chromatography spectrometer (GC)'.

The unit 'mmol' was used erroneously throughout; all 20 instances of this term in the text should instead have read 'μmol'. Moreover, on page 12750, in the sentence beginning 'As for CH₄ production...', the text '1905.1 g_{catalyst}⁻¹' should instead have read '1905.1 μmol g_{catalyst}⁻¹'.

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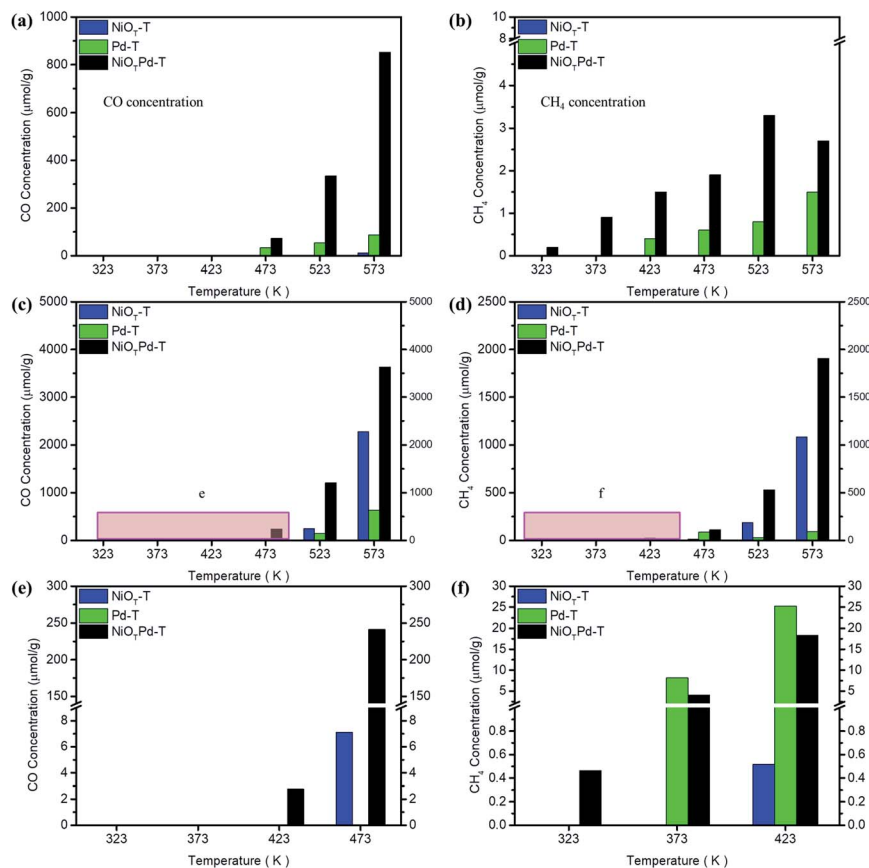


Fig. 3 The gas chromatography (GC) determined CO_2RR results for the $\text{NiO}_T\text{Pd-T}$ and control samples ($\text{NiO}_T\text{-T}$ and Pd-T) for (a) CO and (b) CH_4 production yield in pure ambient CO_2 . Results for CO and CH_4 production yield in reaction gas ($\text{CO}_2 + 3\text{H}_2$) are respectively demonstrated in (c) and (d). The regions marked by pink rectangles e and f are respectively shown in (e) and (f) for clarity. The GC measurements are conducted under a pressure of near 1 atm from 323 K to 573 K and the concentration is normalized by loading of catalysts ($\mu\text{mol g}_{\text{catalyst}}^{-1}$).

In Fig. 3, the unit 'mmol' on the y-axis labels should instead have read ' μmol '; a corrected version of the figure is provided below. Furthermore, in the Fig. 3 caption, the phrase 'pure ambient CO' should instead have read 'pure ambient CO_2 '.

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

