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### Correction: Co-mixing hydrogen and methane may double the energy storage capacity (Journal of Materials Chemistry A (2018) DOI

10.1039/c8ta01909f)

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#### Published in:

Journal of Materials Chemistry A

Published: 01/01/2018

#### Document Version:

Final Published version, also known as Publisher's PDF, Publisher's Final version or Version of Record

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#### Publication record in CityU Scholars:

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#### Published version (DOI):

[10.1039/c8ta90091d](https://doi.org/10.1039/c8ta90091d)

#### Publication details:

Xue, Q., Wu, M., Zeng, X. C., & Jena, P. (2018). Correction: Co-mixing hydrogen and methane may double the energy storage capacity (Journal of Materials Chemistry A (2018) DOI: 10.1039/c8ta01909f). *Journal of Materials Chemistry A*, 6(19). <https://doi.org/10.1039/c8ta90091d>

#### Citing this paper

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## Correction: Co-mixing hydrogen and methane may double the energy storage capacity

Cite this: *J. Mater. Chem. A*, 2018, 6, 9280

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DOI: 10.1039/c8ta90091d

Correction for 'Co-mixing hydrogen and methane may double the energy storage capacity' by Qianqian Xue *et al.*, *J. Mater. Chem. A*, 2018, DOI: 10.1039/c8ta01909f.

[www.rsc.org/MaterialsA](http://www.rsc.org/MaterialsA)

In section 3.3 at the end of the fourth page of the article, there is a calculation error. The correct calculation should be  $(0.07 \text{ eV} + 0.21 \text{ eV} \times 2)/3 = \sim 0.16 \text{ eV}$  rather than  $(0.07 \text{ eV} + 0.21 \text{ eV} \times 2)/3 = \sim 0.20 \text{ eV}$  as originally stated in the article.

In addition, a column for  $m = 1$ ,  $n = 0$  was omitted from Table 2. The corrected table is shown below:

Table 2 Average binding energy of H<sub>2</sub>/CH<sub>4</sub> on Sc atom for mixed adsorption of  $n$ H<sub>2</sub> molecules and  $m$ CH<sub>4</sub>

$n$	4				1	2
$m$		1	2	3	2	2
$E_{\text{an}}$ (eV)	0.27				0.26	0.26
$E_{\text{bm}}$ (eV)		0.19	0.22	0.19	0.31	0.28

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

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