CORRECTION

[View Article Online](#)
[View Journal](#) | [View Issue](#)

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

Qianqian Xue,^a Menghao Wu,^{*a} Xiao Cheng Zeng^{*b} and Puru Jena^cCite this: *J. Mater. Chem. A*, 2018, 6, 9280

DOI: 10.1039/c8ta90091d

www.rsc.org/MaterialsACorrection 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.

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_2/CH_4 on Sc atom for mixed adsorption of $n\text{H}_2$ molecules and $m\text{CH}_4$

n	4				1	2
m		1	2	3	2	2
E_{an} (eV)	0.27				0.26	0.26
E_{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.

^aSchool of Physics and Wuhan National High Magnetic Field Center, Huazhong University of Science and Technology, Wuhan 430074, China. E-mail: wmh1987@hust.edu.cn^bDepartment of Chemistry, University of Nebraska-Lincoln, Lincoln, NE 68588, USA. E-mail: xzeng1@unl.edu^cDepartment of Physics, Virginia Commonwealth University, Richmond, VA 23284, USA