



Correction: Synergistic effects of Zn and Pd species in TiO₂ towards efficient photo-reduction of CO₂ into CH₄

Yanlong Yu,^a Zijian Lan,^a Limei Guo,^a Enjun Wang,^b Jianghong Yao^{*a} and Yaan Cao^{*a}

Cite this: *New J. Chem.*, 2020, **44**, 12397

DOI: 10.1039/d0nj90090g

rsc.li/njc

Correction for 'Synergistic effects of Zn and Pd species in TiO₂ towards efficient photo-reduction of CO₂ into CH₄' by Yanlong Yu *et al.*, *New J. Chem.*, 2018, **42**, 483–488, DOI: 10.1039/C7NJ03305B.

On page 2 there should have been an additional reference included with the following statement:

“After 8 h of irradiation, only 0.350 μmol of CH₄ is detected for pure TiO₂, TiO₂-Zn exhibited finite photocatalytic activity and 0.851 μmol of CH₄ was generated.”

The missing reference was cited in the original article as ref. 20 and should have been cited at the end of the sentence.

On page 4 there should have been an additional reference included with the following statement:

“TiO₂ shows strong absorption in the UV region caused by the band-to-band transition. The band-gap for TiO₂ is estimated to be 3.1 eV, as the onset edge is at about 400 nm. Weak absorption centered at about 450 nm from 400 nm to 600 nm for TiO₂-Zn is observable.”

The missing reference was cited in the original article as ref. 20 and should have been cited at the end of the sentence.

On page 5 there should have been an additional reference included with the following statement:

“It is observed from Fig. 5A that the emission intensity of TiO₂-Zn is weakened compared to TiO₂, owing to the surface energy level of O-Zn-Cl species.”

The missing reference was cited in the original article as ref. 20 and should have been cited at the end of the sentence.

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

^a MOE Key Laboratory of Weak-Light Nonlinear Photonics, Ministry of Education, TEDA Applied Physics Institute and School of Physics, Nankai University, Tianjin 300457, China. E-mail: yaojh@nankai.edu.cn, caoya@nankai.edu.cn

^b Hefei Institutes of Physical Science, Chinese Academy of Sciences, Hefei 230031, China

