


Cite this: *Nanoscale*, 2024, **16**, 10071

## Correction: $\alpha$ -Fe<sub>2</sub>O<sub>3</sub>/TiO<sub>2</sub> 3D hierarchical nanostructures for enhanced photoelectrochemical water splitting

Hyungkyu Han,<sup>a</sup> Francesca Riboni,<sup>b</sup> Frantisek Karlicky,<sup>a,c</sup> Stepan Kment,<sup>a</sup> Anandarup Goswami,<sup>a</sup> Pitchaimuthu Sudhagar,<sup>d</sup> Jeongeun Yoo,<sup>b</sup> Lei Wang,<sup>b</sup> Ondrej Tomanec,<sup>a</sup> Martin Petr,<sup>a</sup> Ondrej Haderka,<sup>a</sup> Chiaki Terashima,<sup>d</sup> Akira Fujishima,<sup>d</sup> Patrik Schmuki<sup>\*b,e</sup> and Radek Zboril<sup>\*a</sup>

DOI: 10.1039/d4nr90091j

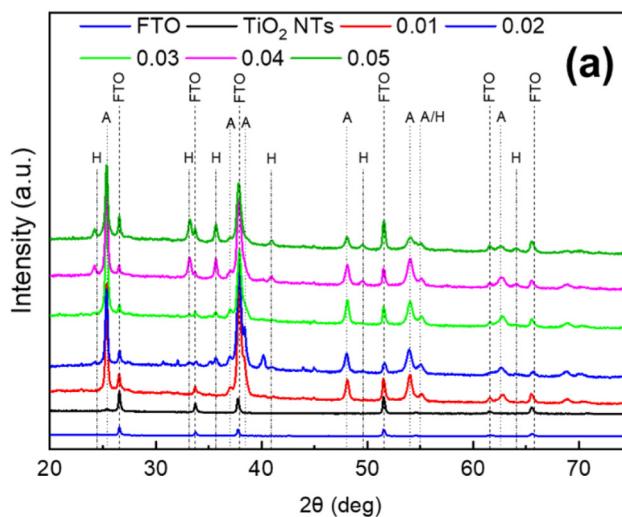
rsc.li/nanoscale

Correction for ' $\alpha$ -Fe<sub>2</sub>O<sub>3</sub>/TiO<sub>2</sub> 3D hierarchical nanostructures for enhanced photoelectrochemical water splitting' by Hyungkyu Han *et al.*, *Nanoscale*, 2017, **9**, 134–142, <https://doi.org/10.1039/C6NR06908H>.

The authors regret presenting erroneous data in their original article, specifically in Fig. 3a, which shows X-ray diffraction patterns of  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub>/TiO<sub>2</sub> nanostructures deposited onto FTO substrates and prepared from solutions containing different hematite precursor concentrations (*i.e.*, 0.01–0.05 M).

The authors have identified samples from the same series of experiments focused on the concentration effect of hematite and re-measured XRD data on these samples, which fully confirm all the original interpretations and conclusions.

The corrected figure is shown below:



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

<sup>a</sup>Regional Centre of Advanced Technologies and Materials, Department of Physical Chemistry, Faculty of Science, Palacky University, Slechtitelu 11, 783 71 Olomouc, Czech Republic. E-mail: radek.zboril@upol.cz

<sup>b</sup>Department of Materials Science and Engineering, University of Erlangen-Nuremberg, Martensstrasse 7, D-91058 Erlangen, Germany

<sup>c</sup>Department of Physics, Faculty of Science, University of Ostrava, 30. dubna 22, 701 03 Ostrava, Czech Republic

<sup>d</sup>Photocatalysis International Research Center, Research Institute for Science and Technology, Tokyo University of Science, 2641 Yamazaki, Noda, Chiba 278-8510, Japan

<sup>e</sup>Department of Chemistry, Faculty of Science, King Abdulaziz University, P.O. Box 80203, Jeddah 21569, Saudi Arabia. E-mail: schmuki@www.uni-erlangen.de

