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## Correction: Boosting the solar water oxidation performance of a BiVO<sub>4</sub> photoanode by crystallographic orientation control

Hyun Soo Han,<sup>a</sup> Sun Shin,<sup>b</sup> Dong Hoe Kim,<sup>b</sup> Ik Jae Park,<sup>b</sup> Ju Seong Kim,<sup>b</sup> Po-Shun Huang,<sup>c</sup> Jung-Kun Lee,<sup>c</sup> In Sun Cho\*<sup>d</sup> and Xiaolin Zheng\*<sup>a</sup>

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Correction for 'Boosting the solar water oxidation performance of a BiVO<sub>4</sub> photoanode by crystallographic orientation control' by Hyun Soo Han *et al.*, *Energy Environ. Sci.*, 2018, **11**, 1299–1306.

The authors regret that citations were omitted from the caption of Fig. 4, parts (c) and (d). The caption of Fig. 4 is updated as given below:

**Fig. 4** Surface modification of a p-BVO photoanode. (a) Top-view SEM image and (b) AFM topography and height profiles of surface-etched p-BVO. The striped pattern had a span of ~70 nm and pitches of ~30 nm. *J-V* curves of best-performing BVO-based photoanodes (c) without electrocatalysts<sup>1–4</sup> and (d) with electrocatalysts reported to date.<sup>1,4–6</sup> The p-BVO photoanode described herein outperformed all previously reported analogs, showing  $J_{\text{ph}} \approx 6.1 \text{ mA cm}^{-2}$  at 1.23 V<sub>RHE</sub> after Co-Pi electrocatalyst deposition (AM1.5G illumination, 100 mW cm<sup>-2</sup>).

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

## References

- 1 F. F. Abdi, L. Han, A. H. Smets, M. Zeman, B. Dam and R. Van De Krol, *Nat. Commun.*, 2013, **4**, 2195.
- 2 Y. Lv, Y. Zhu and Y. Zhu, *J. Phys. Chem. C*, 2013, **117**, 18520–18528.
- 3 B. Trzesniewski, I. Digdaya, T. Nagaki, S. Ravishankar, I. Herraiz-Cardona, D. Vermaas, A. Longo, S. Gimenez and W. A. Smith, *Energy Environ. Sci.*, 2017, **10**, 1517–1529.
- 4 J. H. Kim, Y. Jo, J. H. Kim, J. W. Jang, H. J. Kang, Y. H. Lee, D. S. Kim, Y. Jun and J. S. Lee, *ACS Nano*, 2015, **9**(12), 11820–11829.
- 5 X. Shi, I. Y. Choi, K. Zhang, J. Kwon, D. Y. Kim, J. K. Lee, S. H. Oh, J. K. Kim and J. H. Park, *Nat. Commun.*, 2014, **5**, 4775.
- 6 T. W. Kim, Y. Ping, G. A. Galli and K.-S. Choi, *Nat. Commun.*, 2015, **6**, 8769.

<sup>a</sup> Department of Mechanical Engineering, Stanford University, Stanford, CA 94305, USA. E-mail: xlzheng@stanford.edu

<sup>b</sup> Department of Materials Science and Engineering, Seoul National University, Seoul, Korea

<sup>c</sup> Department of Mechanical Engineering and Materials Science, University of Pittsburgh, Pittsburgh, PA 15261, USA

<sup>d</sup> Department of Materials Science & Engineering, and Energy Systems Research, Ajou University, Suwon 16499, Korea. E-mail: insuncho@ajou.ac.kr

