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CORRECTION

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Correction: Reactive oxygen nanobiocatalysts: activity-mechanism disclosures, catalytic center evolutions, and changing states

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Correction for 'Reactive oxygen nanobiocatalysts: activity-mechanism disclosures, catalytic center evolutions, and changing states' by Sujiao Cao et al., Chem. Soc. Rev., 2023, https://doi.org/10.1039/ d3cs00087q.

The authors regret that Fig. 21 was incorrect in the original article. The correct figure is as below.

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Correction

(c)_{0.10}. (d) (a) 0.08 0.06 (π/Wη/) 0.04 Cu₃/ND@G Cu-NPs/ND@G 0.02 ⁴⁰⁰ TMB (μM) В_(а) POD-like activity (b) (C) 500 -HCSs 400 H,O, Cu-HCSs HCSs CuO-HCSs POD-like activity Cu-HCSs Kill gram-negative and -positive bacteria 800 1200 H_2O_2 (mM) C_(a) (b) (c) Pd/GDY GDY PdNPs/GDY Pd-Pd Pd-C/O Pd/GDY $FT[(k^2\chi(k))]$ PdNPs/GDY Pd-Pd Pd-C R(Å) (d) (e) (f) 120 PdNPs/GDY 0.0 Relative Activity (%) -0.2 80 -0.4 In(C/C₀) -0.6 60 -0.8 A Pd/GDY 40 -1.0 Pd/C -1.2 20

Fig. 21 (A) (a) and (b) Morphology characterisation, (c) OXD-like activity, and (d) DFT calculation of Cu-NPs/ND@G and Cu₃/ND@G, respectively. Reproduced with permission.²⁵⁶ Copyright 2021, Elsevier Inc. (B) (a) TEM image of Cu-HCSs. (b) Antibacterial mechanism of Cu-HCSs by generating ROS. (c) Steady-state kinetic investigation of POD-enzymatic performance of Cu-HCSs. Reproduced with permission.²⁵⁷ Copyright 2019, American Chemical Society. (C) Preparation and characterisation of Pd NPs/GDY. (a) Fabrication route and its structural illustration. (b) TEM image. (c) Fourier transform spectra of Pd K-edge EXAFS. (d) Digital graph of oxygen produced. (e) Time-dependent H_2O_2 decomposition. (f) The catalytic stability of PdNPs/GDY. Reproduced with permission.²⁵⁸ Copyright 2020, Elsevier Inc.

Time (min)

10

10

30

Cycles

50

PdNPs/GDY

-1.4

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

PdIC

GDY

PdIGDY

PdNPsIGDY