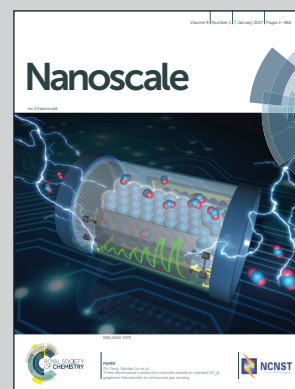


Showcasing research from the Regional Center of Advanced Technologies and Materials, Palacky University, Czech Republic, Institute for Surface Science and Corrosion, Friedrich-Alexander University, Germany, and Photocatalysis International Research Center, Tokyo University of Science, Japan.

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

We have explored the effect of hierarchical heterostructure  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub>/TiO<sub>2</sub> nanotube morphology on photoelectrochemical water splitting by synthesizing varying morphologies of electrodes. Our electrode design strategy with systematic analysis offers significant insight into the controlling factors and can potentially be applied to other electrodes for PEC water splitting.

As featured in:



See Patrik Schmuki, Radek Zboril et al., *Nanoscale*, 2017, 9, 134.



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