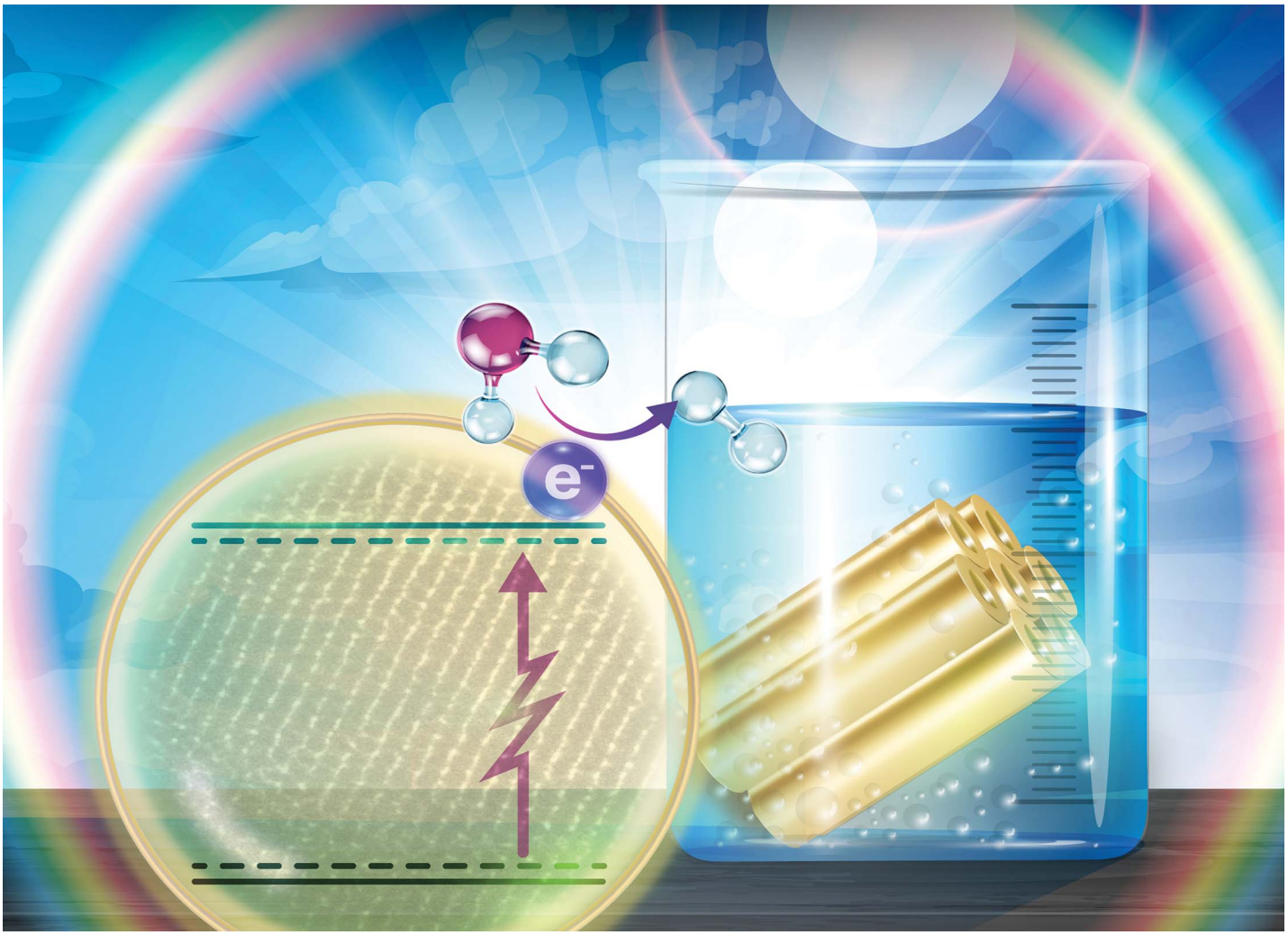
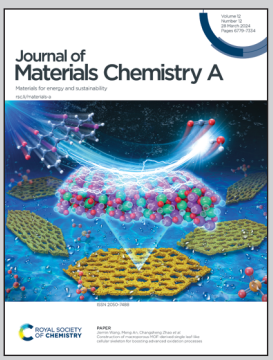


Highlighting joint initiatives between Professor Parasuraman Selvam's team at the National Centre for Catalysis Research, IIT-Madras, Chennai, India, and research endeavours led by Professor Dionisios G. Vlachos's group at CCEI, University of Delaware, Newark, USA.

Ytterbium–nitrogen co-doped ordered mesoporous TiO_2: an innovative hetero-phase photocatalyst for harnessing solar energy in green hydrogen production

Defect-induced Yb-N doped ordered mesoporous titania with high surface area was successfully synthesized using an evaporation-induced self-assembly technique. Detailed characterization confirmed the uniform distribution of dopants, resulting in the formation of intrinsic defects. Consequently, light absorption extends across visible and infrared regions, enhancing the prospects for solar hydrogen generation.

As featured in:



See Parasuraman Selvam *et al.*, *J. Mater. Chem. A*, 2024, **12**, 6906.

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