

RSC Sustainability

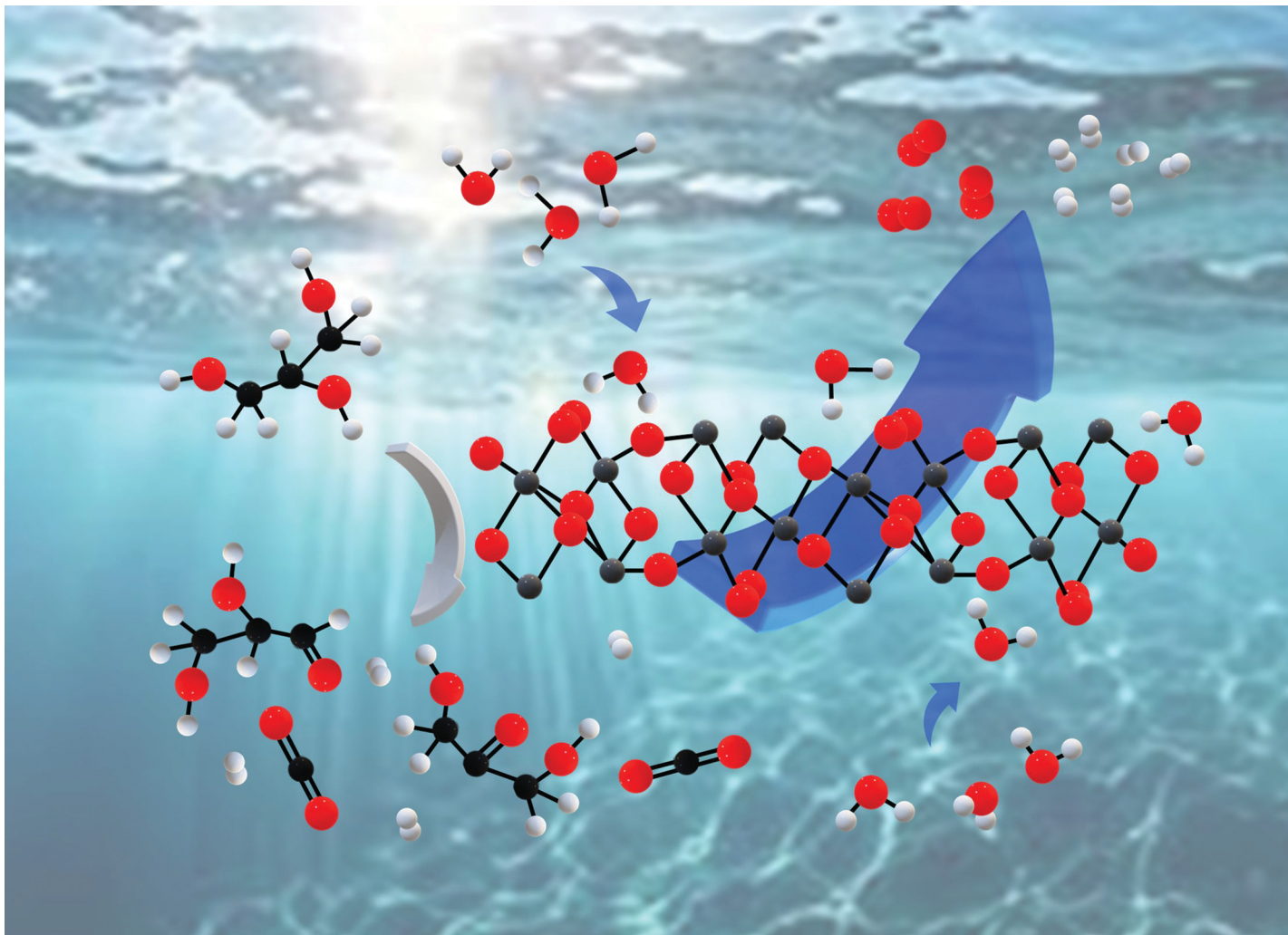
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Fundamental questions
Elemental answers



Showcasing research from Professor Bellardita's laboratory, Engineering Department, University of Palermo, Italy

Pt-TiO₂ catalysts for glycerol photoreforming: comparison of anatase, brookite and rutile polymorphs

H₂ production for different TiO₂ polymorphs was compared, highlighting an increase of activity in the order Pt-Rutile < Pt-P25 ≈ Pt-Anatase < Pt-Brookite. The ability to adsorb water and the Pt distribution in brookite can positively influence its photoactivity.

As featured in:



See Lorenzo Mino, Marianna Bellardita *et al.*, *Chem. Commun.*, 2024, **60**, 3782.