

EES Catalysis

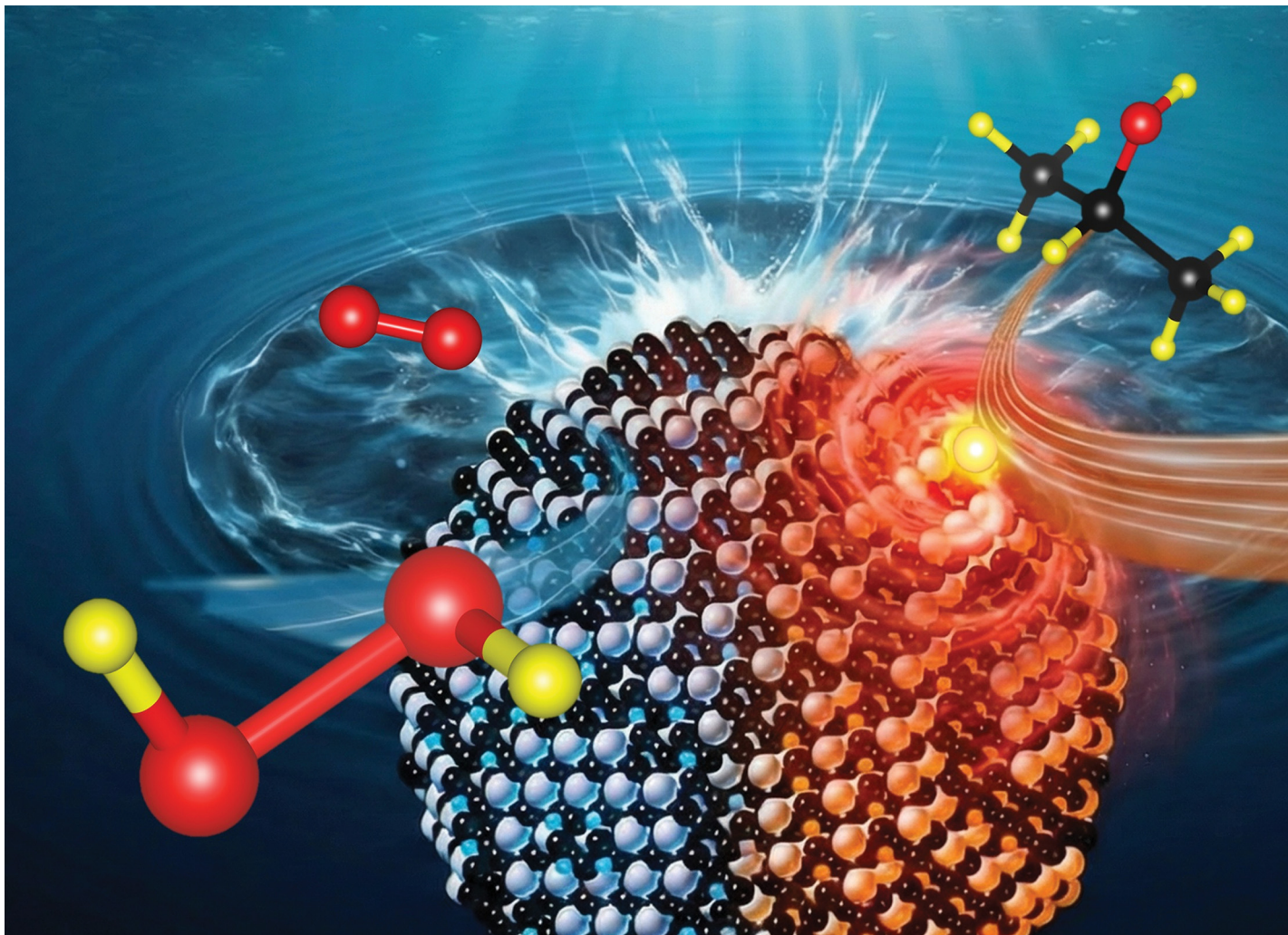
GOLD
OPEN
ACCESS

Exceptional research on energy and environmental catalysis

Open to everyone. Impactful for all

rsc.li/EESCatalysis

Fundamental questions
Elemental answers



Showcasing research from Professor Habazaki's laboratory,
Faculty of Engineering, Hokkaido University, Japan.

Single-atom rhodium on BaTiO₃ for enhanced piezocatalytic
H₂O₂ production *via* promotion of oxidative ability

Atomically dispersed Rh³⁺ single atoms were anchored
on tetragonal BaTiO₃ as a surface cocatalyst to enhance
piezocatalytic H₂O₂ production by selectively accelerating
isopropanol oxidation *via* piezo-generated positive charges.

Image reproduced by permission of Sho Kitano from
Phys. Chem. Chem. Phys., 2026, **28**, 6190.

Image created using Adobe Firefly.

As featured in:



See Sho Kitano, Hiroki Habazaki *et al.*,
Phys. Chem. Chem. Phys.,
2026, **28**, 6190.

Endorsed by its [Honorary Board](#), PCCP is co-owned by a group of 19 chemistry, physical chemistry and physics societies from around the world who are represented by the [Ownership Board](#) and work alongside the [Editorial Board](#) and [Advisory Board](#). Meet the [PCCP Owner Societies](#).