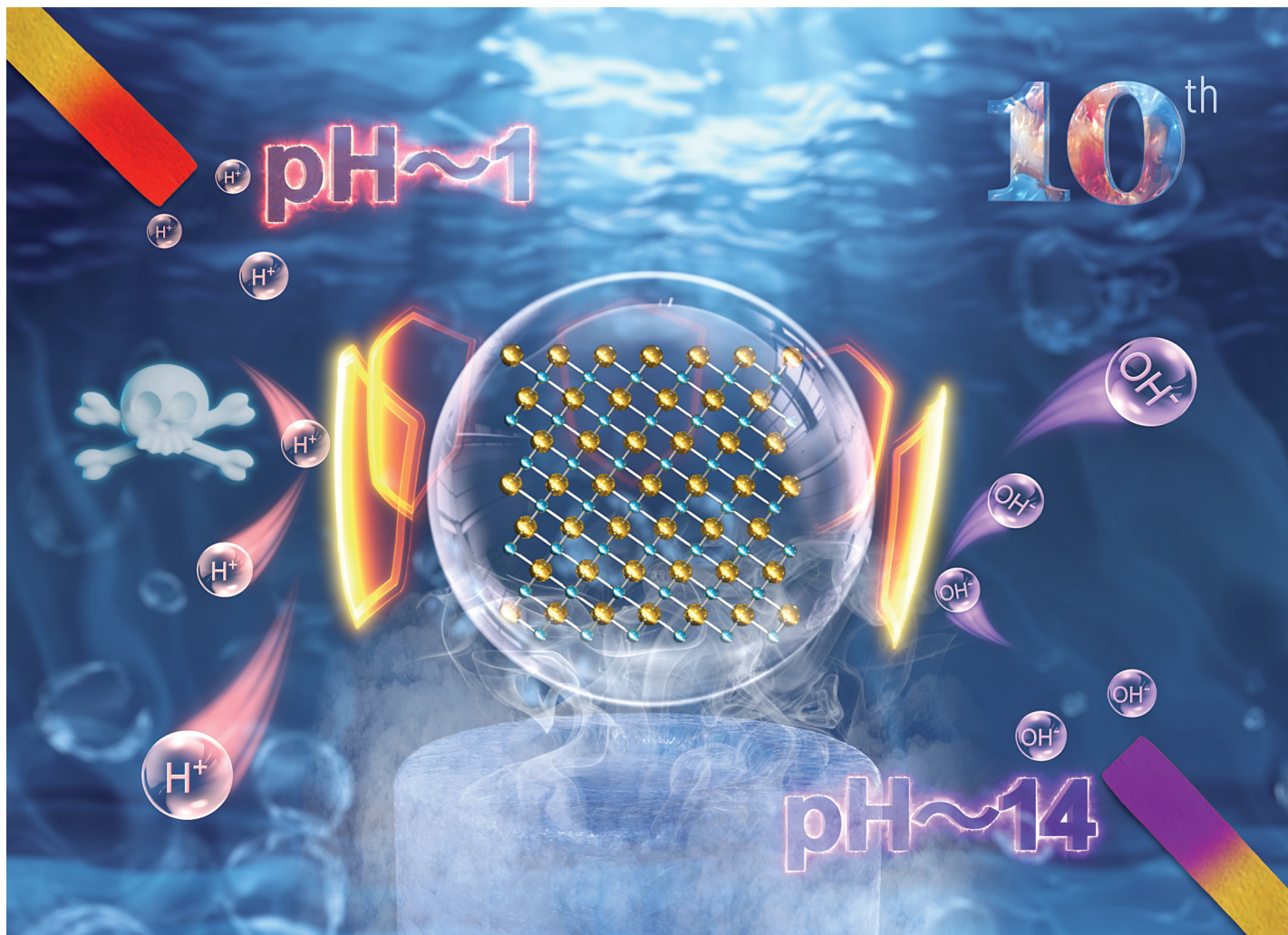


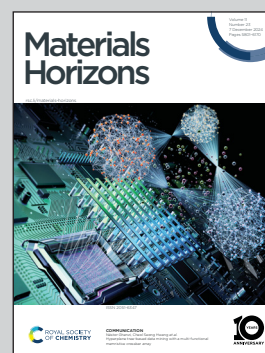


Showcasing research from Professor Yanwei Cao's laboratory at Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences, China

High resistance of superconducting TiN thin films against environmental attacks

Compared to most superconductors being highly sensitive to environmental attacks, it is demonstrated that single-crystalline TiN(111) films show superior corrosion resistance to strong acid and alkaline attacks compared with both polycrystalline TiN films and single-crystalline TiN(001) films. The unexpected stability and durability of superconducting TiN films offer potential benefits for their wide applications.

As featured in:



See Jiachang Bi, Liang-Feng Huang, Yanwei Cao *et al.*, *Mater. Horiz.*, 2024, **11**, 5972.