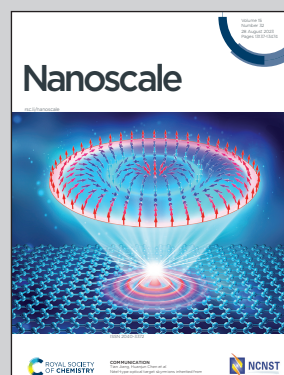


Showcasing research from Dr. Miyazawa's laboratory,
Faculty of Frontier Engineering, Kanazawa University,
Ishikawa, Japan.

Three-dimensional ordering of water molecules reflecting
hydroxyl groups on sapphire (001) and α -quartz (100)
surfaces

Swimming at a nanometer-scale solid-liquid interface.
Hydration structure visualized by three-dimensional atomic
force microscopy (3D-AFM) at the α -quartz (100)-water
interface. The size of the 3D-AFM image is $4 \times 4 \times 2$ nm.
The interface has several layered hydration structures on the
 α -quartz (100) surface.

As featured in:



See Keisuke Miyazawa *et al.*,
Nanoscale, 2023, **15**, 13262.