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A method for site-specific and cryogenic specimen fabrication of liquid/solid interfaces for atom probe tomography

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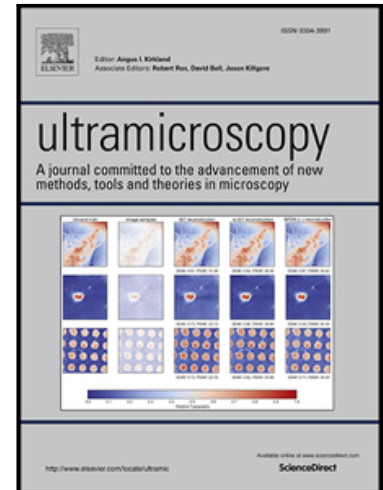
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**Highlights:**

- Cryogenic FIB used to produce APT specimens at a buried frozen water / solid interface
- Approach uses novel redeposition nanowelds to facilitate site-specific liftout
- First APT results show 3D separation of salt-rich/poor regions in frozen water
- APT data also capture the water/corroded glass gel interface for the first time

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