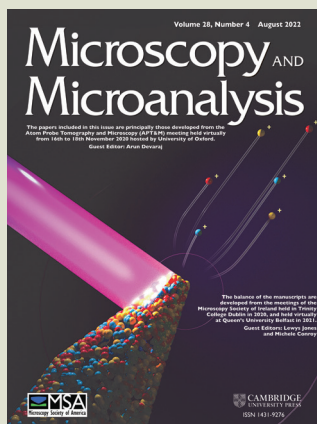


preview of some upcoming articles



Development and Computation

Composition of carbon clusters in implanted silicon using Atom Probe Tomography

Dumas, Paul et al.

Correlative approach for atom probe sample preparation of interfaces using plasma focused ion beam without lift-out

Primig, Sophie et al.

Application to NanoParticles

Atom probe analysis of nanoparticles through pick and coat sample preparation

Josten, Jan and Felfer, Peter

Application to Minerals

Standardizing spatial reconstruction parameters for the atom probe analysis of common minerals

Fougerouse, Denis et al.

Detection of Hydrogen

Extending Estimating Hydrogen Content in Atom Probe Tomography Experiments where H₂ Molecule Formation Occurs

Meier, Martin et al.

Field Ion Microscopy

Three-dimensional atomically-resolved analytical imaging with a field ion microscope

Stephenson, Leigh et al.

Analytical three-dimensional field ion microscopy of an amorphous glass FeSiB

Klaes, Benjamin et al.

Applications in Biology

Frozen n-Tetradecane investigated by cryo-Atom Probe Tomography

Schwarz, Tim et al.

Atom Probe Study of 1-octadecanethiol self-assembled Monolayers on Platinum (111) and (200) surfaces

Solodenko, Helena et al.

Applications in Alloys

The nanostructure of the oxide formed on Fe-10Cr-4Al exposed in liquid Pb

Lindgren, Kristina et al.

Materials Science Applications

Probing Ferroelectric Behavior in Sub-10 nm Bismuth-rich Aurivillius Films by Piezoresponse Force Microscopy

Keeney, Lynette et al.

Quantification of ion-implanted single-atom dopants in monolayer MoS₂ via HAADF STEM using the TEMUL Toolkit

Hennessy, Michael et al.

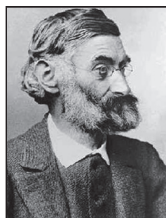
Software and Instrumentation

Increasing Spatial Fidelity and SNR of 4D-STEM Using Multi-Frame Data Fusion

Jones, Lewys et al.

TopoTEM: A Python Package for Quantifying and Visualising Scanning Transmission Electron Microscopy Data of Polar Topologies

Conroy, Michele (Shelly) et al.



Dear Abbe

Dear Abbe,

I realize you're a light microscopist, but maybe you can help with this problem anyway. We have problems determining when my sputter coater's target is used up. The coatings are good for a long time, so I forget the target has a definite lifetime, then suddenly it's full of holes. How can I know when the target needs replacing before it gets too perforated?

Fenestrated in Fresno

Dear Fenestrated in Fresno,

Finally someone calls me a "light" microscopist and they're not referring to my weight. Occam's Razor is always a good guide, just don't cut yourself on it. Remove the target and place it up to a strong light and look to see if it's holey. If it is, it's used up. If you see an actual aura and you get a feeling of bliss, you've been hitting the Goldwasser too hard.

Need a good scapegoat or viable story? Herr Abbe can provide some doozies. Just contact his questionably sane assistant at johnshields59@gmail.com for a selection.

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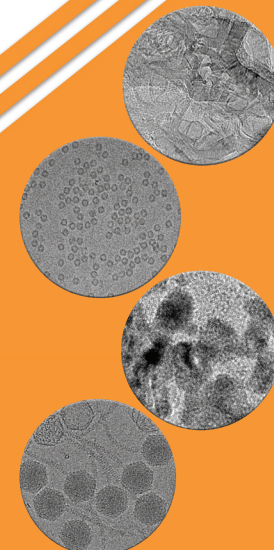
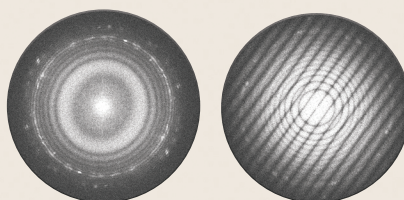
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