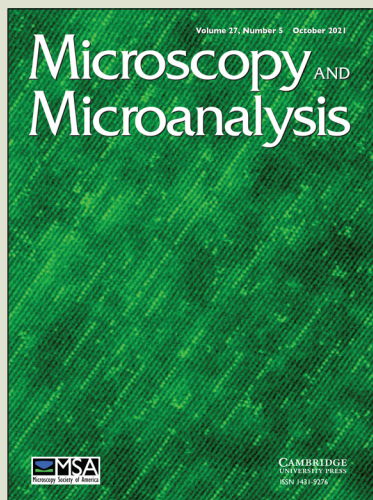


preview of some upcoming articles



Review

Advances and Applications of Atomic-Resolution Scanning Transmission Electron Microscopy
Liu, Jingyue

Materials Science Applications

Electron Crystallographic Investigation of the Crystals in Mesostructural Scale
Han, Lu et al.

Atom probe tomography investigations of Ag nanoparticles embedded in pulse electrodeposited Ni films
Choi, Pyuck-Pa et al.

Creation and characterization of an atomically sharp single/trimer atom Ir/W(111) tip by thermal field-assisted faceting
Park, In-Yong et al.

Spatial Resolution and Capacitive Coupling in the Characterization of Nanowire Nanocomposites by Scanning Dielectric Microscopy
Gomila, Gabriel et al.

Software and Instrumentation

The Role of Convergence and Collection Angles in the Excitation of Long and Short Wavelength Phonons with Vibrational Electron Energy-Loss Spectroscopy
Crozier, Peter & Venkatraman, Kartik

Live processing of momentum-resolved STEM data for first moment imaging and ptychography
Strauch, Achim et al.

Automated Confluence Measurement Method for Mesenchymal Stem Cell from Brightfield Microscopic Images
Wang, Zenan et al.

Automated crystal orientation mapping by precession electron diffraction assisted four-dimensional scanning transmission electron microscopy (4D-STEM) using a scintillator based CMOS detector
Jeong, Jiwon et al.

Biological Applications

Green tea infusion ameliorates histological damages in testis and epididymis of diabetic rats
Neves, Mariana et al.

Differentiation of Amyloid Plaques Between Alzheimer's Disease and Non-Alzheimer's Disease Individuals Based on Gray-level Co-Occurrence Matrix Texture Analysis
Zaletel, Ivan et al.

Sinking of four species of living diatom cells directly observed by a 'tumbled' optical microscope
Umemura, Kazuo et al.

The distribution profile of glycoconjugates in the testis of brown-banded bamboo shark (*Chiloscyllium punctatum*) by using lectin histochemistry
Gewaily, Mahmoud et al.

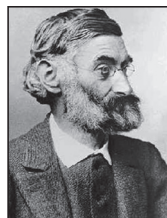
Micrographia

Microscopic analysis applied to the quality control of *Hancornia speciosa* Gomes
Randau, Karina et al.

Histological, Histochemical and Ultrastructural Approach to the Ductus Deferens in Male Nile Monitor Lizard (*Varanus niloticus*)
Awad, Mahmoud et al.

Biological aspects of the tongue and oropharyngeal cavity of the Eurasian collared dove (*Streptopelia decaocto*, Columbiformes, Columbidae): Anatomical, histochemical, and ultrastructure study
Elmansy, Ahmed et al.

Endocrine, stemness, proliferative, and proteolytic properties of alarm cells in ruby-red-fin Shark, (rainbow Shark), *Epalzeorhynchus frenatum* (Teleostei: Cyprinidae)
Abdelhafeez, Hanan et al.



Dear Abbe

Dear Abbe,

The national political scene has leaked into my lab. People on many sides of the spectrum are constantly squabbling. Verbal sniping escalates into deprecation of other folks' mental capacity, parentage, and favorite fabric. Work suffers. What can I do to prevent the exchange of small arms fire, yet still keep the place functioning?

Just Trying to Keep the Roof on in Cincinnati

Dear Roofer,

Um Himmels willen! A problem as timeworn as the creation of politicians, which is purported to be soon after the establishment of an older, more respected profession. There will always be sharp divisions between people of strong, polarized opinions. Some may have origins in reality, but most are usually derived from some journalist's factoids (another profession with less esteem than the oldest). It used to be proper manners to never discuss politics or religion at social occasions or work. Now it appears to be quite *en vogue* to do so. I never stoop to endorse any particular individual because my ponderings are far above the menial distractions of the general public. I am also shrewd enough to avoid becoming a member of the duly elected. Instead, I prefer to reign as a mighty benefactor over my minions and lesser Associates. Ahem, sorry... I broke out in maniacal laughter for a moment there. Like the "cursing jar," you should set up a "verboten topics jar" and have them deposit \$10 every time they mention politics or religion. Maybe after a couple of months you can use the proceeds to acquire that new instrument you have had your eye on.

Make your life a little more surreal. Send your conundrums to Herr Abbe via his marginally sane assistant at johnshields59@gmail.com.

MT

Microscopy TODAY

Free Subscriptions

Individuals may request a personal copy at:
www.microscopy.org/publications/microscopy_today.cfm