

Microscopic Chemical Characterization and Reactivity in Cementing Systems of Elephant Grass Leaf Ashes

Josefa Roselló, Lourdes Soriano, Holmer Savastano Jr, M. Victoria Borrachero, Pilar Santamarina and Jordi Payá

Secondary fluorescence in WDS: the role of spectrometer positioning

Ben Buse, Jon Wade, Xavier Llovet, Stuart Kearns and John J. Donovan

Multi-Angle Plasma Focused Ion Beam (FIB) Curtaining Artifact Correction Using a Fourier-Based Linear Optimization Model

Christopher W. Schankula, Christopher K. Anand and Nabil D. Bassim

Ultrastructural Deformities in the Scales of *Cyprinus carpio* Inhabiting Two Government-Sponsored Fish Farms in North-East India Contaminated by Municipal Wastes and Other Pollutants

Eva M. Pala

Functional Imaging of Neurotransmitters in *Hymenolepis diminuta* Treated with Senna Plant Through Light and Confocal Microscopy

Bidisha Ukil, Suman Kundu and Larisha Mawkhlieng Lyndem

Three-Dimensional Reconstruction of Erythrocytes Using the Novel Method For Corrective Realignment of the Transmission Electron Microscopy Cross-Section Images

Yuzhou Fan, Djordje Antonijević, Xing Zhong, Vladimir S. Komlev, Zhiyu Li, Marija Đurić and Yifang Fan

Morphological Properties of the Two Types of Caudate Interneurons: Kohonen Self-Organizing Maps and Correlation-Comparison Analysis

Ivan Grbatinić, Bojana Krstonošić, Dušica Marić and Nebojša Milošević

Microstructural, Mineralogical and Petrographical Characteristics of the Medieval Ceramics from the Studenica Monastery (Unesco World Heritage Site): Implications on the Pottery Technology and Provenance of The Raw Material

Kristina Šarić, Vesna Bikić and Suzana Eric

Electron Beam-Induced Carbon Erosion and the Impact on Electron Probe Microanalysis

Mike B. Matthews, Stuart L. Kearns and Ben Buse

Effect of Heavy Metals Contamination from Cigarette Smoke on Sound and Caries-Like Enamel

Jéssica D. Theobaldo, Waldemir F. Vieira-Junior, Anderson Catelan, Maria do Carmo A. Mainardi, Orlando A. Ysnaga, Ubirajara P. Rodrigues-Filho, Giselle Maria Marchi, Débora A. Lima and Flávio H. B. Aguiar

Weka Trainable Segmentation Plugin in ImageJ: A Semi-Automatic Tool Applied to Crystal Size Distributions of Microlites in Volcanic Rocks

Charline Lormand, Georg F. Zellmer, Károly Németh, Geoff Kilgour, Stuart Mead, Alan S. Palmer, Naoya Sakamoto, Hisayoshi Yurimoto and Anja Moebis

Compressed Sensing of Scanning Transmission Electron Microscopy (STEM) With Nonrectangular Scans

Xin Li, Ondrej Dyck, Sergei V. Kalinin, and Stephen Jesse

A New and Unexpected Spatial Relationship Between Interaction Volume and Diffraction Pattern in Electron Microscopy in Transmission

Etienne Brodu, and Emmanuel Bouzy

The Impact of Two Combined Oral Contraceptives Containing Ethinyl Estradiol and Drospirenone on Whole Blood Clot Viscoelasticity and the Biophysical and Biochemical Characteristics of Erythrocytes

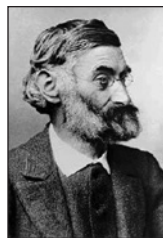
Odette Emmerson, Janette Bester, Barend G. Lindeque and Albe C. Swanepoel

Exploring Photothermal Pathways via in Situ Laser Heating in the Transmission Electron Microscope: Recrystallization, Grain Growth, Phase Separation, and Dewetting in Ag<sub>0.5</sub>Ni<sub>0.5</sub> Thin Films

Yueying Wu, Chenze Liu, Thomas M. Moore, Gregory A. Magel, David A. Garfinkel, Jon P. Camden, Michael G. Stanford, Gerd Duscher and Philip D. Rack

Regulation of Vascular Smooth Muscle Cell Stiffness and Adhesion by [Ca<sup>2+</sup>]<sub>i</sub>: An Atomic Force Microscopy-Based Study

Yi Zhu, Li He, Jing Qu and Yong Zhou



## Dear Abbe

### Dear Abbe,

This is more of a personnel problem, I fear, but given your personal experience in dealing with, ah, unusual problems, you may be able to help us. I was recently working on the lab's Interocitor, when I was called away by colleagues trying to get a colloidal gold-conjugated antibody sample from another researcher. He was crouched in a corner hissing at the others and stroking the vials, whispering "my birthday presents, yesss my precious." Short of throwing him in a vat of boiling bovine serum albumin, what should we have done?

### *Exasperated in Exeter*

### Dear Exasperated,

Ach. As you have unfortunately noted, my personnel problems tend to devolve into personal problems, so I can relate to your difficulty. I usually encounter cases of pathological obsessions like this gentleman's when talking to administrators about getting a share of the indirect costs of our grants. One thing you can do in cases like this is to distract your colleague with a bigger prize from someone else's lab. Just be sure to graciously let some Sündenbock take the credit for the distraction. Another alternative is to contact my personal friend, Madam Dikroic, and let her assemble a team of scientific misfits to subdue the man and destroy the One Vial that binds them all.

### Dear Abbe,

We have a problem with our experimental animal facility where the fire/smoke alarms go off every so often (testing?). It only lasts about 30 seconds and does not bother the staff too much. Our problem is with our rabbits. They are so disturbed by the alarms that they no longer breed. A rabbit specialist has informed us that it is the frequency. However, if we change to a frequency that does not affect the rabbits, then our staff are unaware of the alarm. Is there something you have encountered that would solve this dilemma?

### *Interrupted in Istanbul*

### Dear Interrupted,

I am confused why you would worry about the staff—the rabbits are obviously more important. I can easily relate to the frustrated bucks. My current wife insists that the frequency of my nocturnal sonorous emissions kill her desire for most everything. So I ended up with a CPAP to counter my nightly growling. Now the rhythmic, Darth Vader-like breathing is allegedly forcing her to stay chaste, sometimes in another room. I decided to try noise-canceling technology, which improved our interpersonal interactions—we can't hear each other prattling on. I can live with that.

*Interpersonal relationships are hard. Have Herr Abbe provide a reasonably useful solution and then be entertained by the results! Cast your relational worries on his loyal assistant at [jpshield@uga.edu](mailto:jpshield@uga.edu).*