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Microscopy AND Microanalysis



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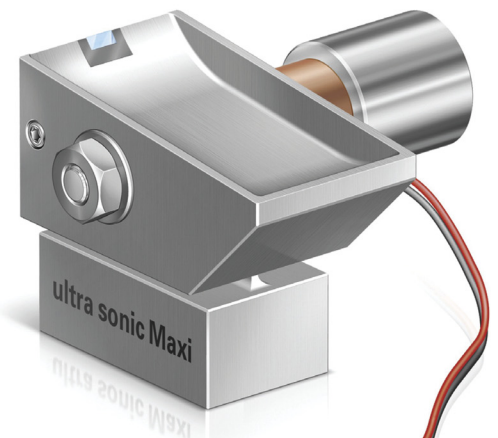
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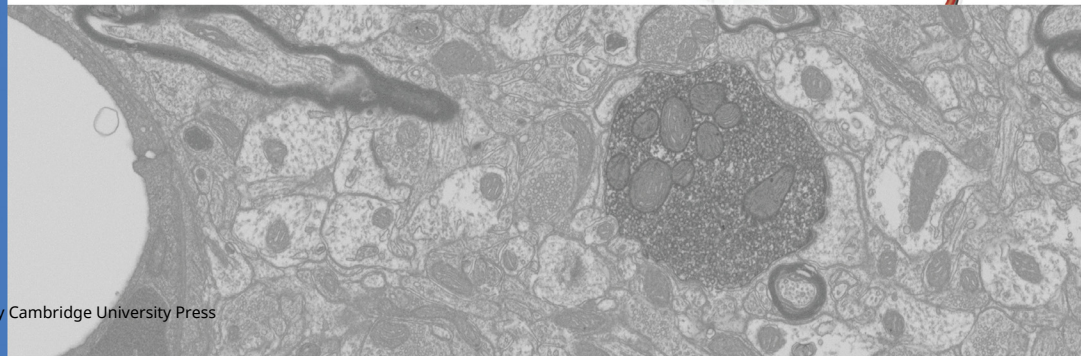


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Biocytin-labeled giant bouton from the auditory cortex of a Mongolian gerbil acquired with a scanning electron microscope. Saldeitis et al., 2019 Eur. J. Neurosci. Vol.50-9:3445-3453.



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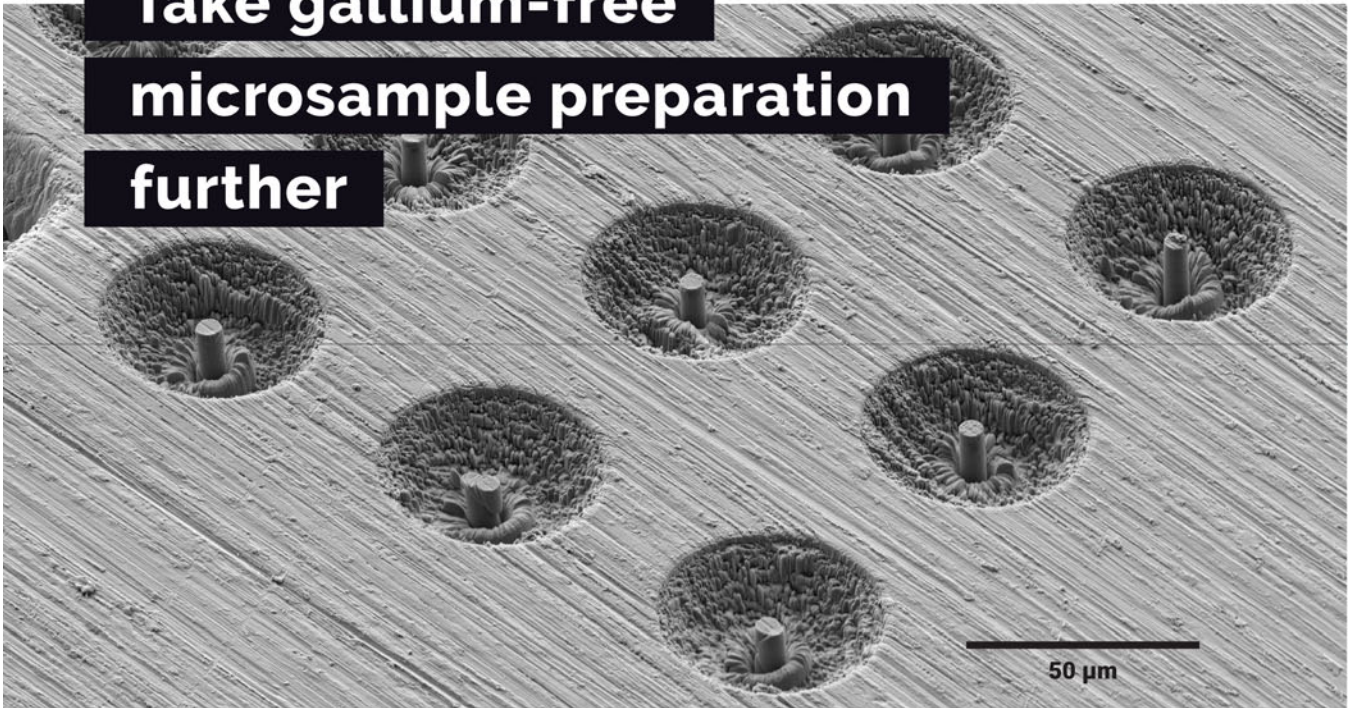
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MATERIALS SCIENCE APPLICATIONS

Determination of the Chemical Compositions of Fine titanium Carbide and Niobium Carbide Precipitates in Isothermally Aged Ferritic Steel by Atom Probe Tomography Analysis

Yukiko Kobayashi, Jun Takahashi, Kazuto Kawakami and Kazuhiro Hono

1

Microscopy of Polyurea Grease

Matthew A. Thorseth, Joseph D. Harris, Junsu Gu, John Cuthbert, Lauren Huffman, Kevin Capaldo and Zhe Jia

12

Local Porosity Measurement From Scanning Electron Microscopy Images in the Backscattered Electrons Mode

Loïc Sorbier, Hedwige Poncet, Vincent Lecocq, Guillaume Maillet, Marwa Moula and Vincent Le Corre

20

Solving Peak Overlaps for Proximity Histogram Analysis of Complex Interfaces for Atom Probe Tomography Data

Jens Keutgen, Andrew J. London and Oana Cojocaru-Mirédin

28

In Situ EBSD Study on the Microstructural Transformation of the Ni₅W Substrate for Coated Conductors

Xinyu Wu, Hongli Suo, Jiazhi Li, Yaotang Ji, Lin Ma, Min Liu, Yinming Dai, Jianhua Liu and Zili Zhang

36

SOFTWARE AND INSTRUMENTATION

Environmental Liquid Cell Technique for Improved Electron Microscopic Imaging of Soft Matter in Solution

Sana Azim, Lindsey A. Bultema, Michiel B. de Kock, Ernesto Rafael Osorio-Blanco, Marcelo Calderón, Josef Gonschior, Jan-Philipp Leimkohl, Friedjof Tellkamp, Robert Bücke, Eike C. Schulz, Sercan Keskin, Niels de Jonge, Günther H. Kassier and R.J. Dwayne Miller

44

Nanowire Detection in AFM Images Using Deep Learning

Huitian Bai and Sen Wu

54

In Situ Atomic Force Microscopy Depth-Corrected Three-Dimensional Focused Ion Beam Based Time-of-Flight Secondary Ion Mass Spectroscopy: Spatial Resolution, Surface Roughness, Oxidation

Lex Pillatsch, Szilvia Kalácska, Xavier Maeder and Johann Michler

65

Embracing Uncertainty: Modeling Uncertainty in EPMA—Part II

Nicholas W.M. Ritchie

74

Optimizing Nonrigid Registration for Scanning Transmission Electron Microscopy Image Series

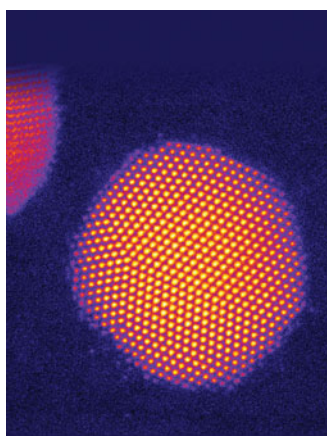
Chenyu Zhang, Jie Feng, Andrew B. Yankovich, Alexander Kvit, Benjamin Berkels and Paul M. Voyles

90

Development of a Practicable Digital Pulse Read-Out for Dark-Field STEM

Tiarnan Mullarkey, Clive Downing and Lewys Jones

99



On the Cover: This, first of its kind all-digital scanning transmission electron microscope image, shows a gold nanoparticle on an amorphous carbon background. These digital images are produced by counting each and every electron scattered to the detector, with 20 such image frames summed to create the final image shown here. This new, digital approach to imaging produces incredibly clean, high signal-to-noise ratio, low-dose images. From “Development of a Practicable Digital Pulse Read-Out for Dark-Field STEM” by Tiarnan Mullarkey, Clive Downing and Lewys Jones, pp. 99–108.

Retarding Field Integrated Fluorescence and Electron Microscope <i>Yoram Vos, Ryan I. Lane, Chris J. Peddie, Anouk H.G. Wolters and Jacob P. Hoogenboom</i>	109
Dynamic Imaging of Nanostructures in an Electrolyte with a Scanning Electron Microscope <i>Aram Yoon, Antonia Herzog, Philipp Grosse, Daan Hein Alsem, See Wee Chee and Beatriz Roldán Cuenya</i>	121
Multibeam Electron Diffraction <i>Xuhao Hong, Steven E. Zeltmann, Benjamin H. Savitzky, Luis Rangel DaCosta, Alexander Müller, Andrew M. Minor, Karen C. Bustillo and Colin Ophus</i>	129
Integrative Atom Probe Tomography Using Scanning Transmission Electron Microscopy-Centric Atom Placement as a Step Toward Atomic-Scale Tomography <i>Anna V. Ceguerra, Andrew J. Breen, Julie M. Cairney, Simon P. Ringer and Brian P. Gorman</i>	140

BIOLOGICAL APPLICATIONS

Higher-Order Structure of Human Chromosomes Observed by Electron Diffraction and Electron Tomography <i>Misa Hayashida, Rinyaporn Phengchat, Marek Malac, Ken Harada, Tetsuya Akashi, Nobuko Ohmido and Kiichi Fukui</i>	149
Targeting Functionally Characterized Synaptic Architecture Using Inherent Fiducials and 3D Correlative Microscopy <i>Connon I. Thomas, Melissa A. Ryan, Benjamin Scholl, Debbie Guerrero-Given, David Fitzpatrick and Naomi Kamasawa</i>	156
Transmission Electron Microscopy as a Tool to Study the Toxicological Effects of Thiamethoxam in Workers of <i>Atta sexdens</i> (Myrmicinae, Attini) <i>Silvana B. Poiani, Mayara C. Pereira and Odair C. Bueno</i>	170
Pathological Alternations of Mediastinal Fat-Associated Lymphoid Cluster and Lung in a Streptozotocin-Induced Diabetic Mouse Model <i>Yaser H.A. Elewa, Osamu Ichii, Teppei Nakamura and Yasuhiro Kon</i>	187

MICROGRAPHIA

Comparative Features of the Upper Alimentary Tract in the Domestic Fowl (<i>Gallus gallus domesticus</i>) and Kestrel (<i>Falco tinnunculus</i>): A Morphological, Histochemical, and Scanning Electron Microscopic Study <i>Abdallah A. Alsanosy, Ahmed E. Noreldin, Yaser H. A. Elewa, Sahar F. Mahmoud, Mohamed A. Elnasharty and Asmaa Aboelnour</i>	201
Study on Evolution of Micropipes from Hexagonal Voids in 4H-SiC Crystals by Cathodoluminescence Imaging <i>Aman Arora, Ankit Patel, Brajesh S. Yadav, Anshu Goyal, Om P. Thakur, Arun K. Garg and Ramachandran Raman</i>	215
Structural Relationships Between Interstitial Cells of Cajal and Smooth Muscle Cells/ Nerve Fibers in the Gastric Muscularis Mucosae of Chinese Giant Salamander <i>Hang Yu, Yangquan Liu, Meng Chu, Yu Si, Yaqiong Ye, Tingting Ge, Haiquan Zhao and Hui Zhang</i>	227