
CONTENTS

INHALT

SOMMAIRE

Nanoanalysis

EDITORIAL

728 *R. Zenobi*

- 729 Fabrication of Semiconductor Nanowires for Electronic Transport Measurements
*A. Pfund, I. Shorubalko, R. Leturcq, M.T. Borgström, F. Gramm, E. Müller, K. Ensslin**
- 735 Preparative Methods for Nanoanalysis of Materials with Focused Ion Beam Instruments
P.M. Nellen, V. Callegari, U. Sennhauser*
- 742 Structure and Composition of Nanoscopic Domains in Functional Perovskite-Type Materials
*A. Weidenkaff, M.H. Aguirre, T. Lippert, U. Falke, U. Bangert**
- 749 Biological Scanning Transmission Electron Microscopy: Imaging and Single Molecule Mass Determination
*S.A. Müller, A. Engel**
- 754 Micro- and Nanostructured Devices for the Investigation of Biomolecular Interactions
*C. Danelon, M.G. Jenke, C. Schreiter, G.M. Kim, J.-B. Perez, C. Santschi, J. Brugger, H. Vogel**
- 761 Optical Detection of Very Small Nonfluorescent Nanoparticles
V. Sandoghdar, E. Klotzsch, V. Jacobsen, A. Renn, U. Håkanson, M. Agio, I. Gerhardt, J. Seelig, G. Wrigge*
- 765 Prospects of Resonant Optical Antennas for Nano-Analysis
B. Hecht, P. Mühlischlegel, J.N. Farahani, H.-J. Eisler, D.W. Pohl, O.J.F. Martin, P. Biagioni*
- 770 Optical Nano-Imaging of Materials: Peeping Through Tip-Enhanced Raman Scattering
S. Kawata, P. Verma*
- 777 Probing Chiral Nanoparticles and Surfaces by Infrared Spectroscopy
*C. Gautier, M. Bieri, I. Dolamic, S. Angeloni, J. Boudon, T. Bürgi**
- 783 Methods for Molecular Nanoanalysis
*T. Schmid, T.A. Schmitz, P.D. Setz, B.-S. Yeo, W. Zhang, R. Zenobi**
- 789 Nanoscale Probing of Electrode Surfaces by Scanning Force Microscopy
D.J. Fermín
- 795 Photoelectron Diffraction for a Look inside Nanostructures
J. Osterwalder, A. Tamai, W. Auwärter, M.P. Allan, T. Greber*
- 800 Chemical Surface Analysis with Nanometer Depth Resolution
R. Hauert, B.A. Keller*

CONFERENCE REPORTS

- 805 Imaging in Biomedical Research
Mini-Symposium of the Division for Medicinal Chemistry (DMC)
of the Swiss Chemical Society (SCS), at the Department of Chemistry, University of Basel, May 18, 2006
G. Folkers, A. Ishai, M. Rudin, P.A. Schubiger, M. Bräutigam, H. Möhler, H.P. Märki
- 815 The University of Zurich (UZH) Hosts the Second Biannual Siegfried Symposium
N.S. Finney

HIGHLIGHTS OF ANALYTICAL CHEMISTRY IN SWITZERLAND

- 817 High Precision Carbon Dioxide and Oxygen Measurements Onboard of a Passenger Airplane
M. Leuenberger, L. Valentino, P. Nyfeler, H. Moret, CARIBIC Team*

SWISS SCIENCE CONCENTRATES

- 818 Prepared by
*M.-H. Gonçalves-Farbos, D. Linder, N. Mehanna, C. Nicolas, R. Novikov, J. Lacour**

FH-HES

- 819 Masterstudium auch für Fachhochschulen ein Muss!
J.-N. Aebischer

INFORMATION

- 821 Lectures
823 Honors – Ehrungen

CHIMIA-REPORT

- 824 Markt, Apparate, Chemikalien und Dienstleistungen