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About the Cover:

The cover shows (top) a scheme for a multicolored quantum dot assay and (bottom) differential staining of malignant Hodgkin's and Reed-Sternberg (HRS) cancer cells (red membrane staining) in a Hodgkin's Lymphoma tissue sample, as well as infiltrating immune T-cells (green membrane staining) and B-cells (blue nuclear staining). The article is by Jian Liu, Stephen K. Lau, Vijay A. Varma, Brad A. Kairdolf, and Shuming Nie. [View the article.](#)

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LETTER TO ANALYTICAL CHEMISTRY

Liquid Microjunction Surface Sampling Coupled with High-Pressure Liquid Chromatography–Electrospray Ionization–Mass Spectrometry for Analysis of Drugs and Metabolites in Whole-Body Thin Tissue Sections

Vilmos Kertesz and Gary J. Van Berkel

pp 5917–5921

Publication Date (Web): June 18, 2010 (Letter)

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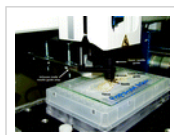


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Atmospheric Solids Analysis Probe Mass Spectrometry: A New Approach for Airborne Particle Analysis

Emily A. Bruns, Véronique Perraud, John Greaves and Barbara J. Finlayson-Pitts

pp 5922–5927

Publication Date (Web): June 22, 2010 (Letter)

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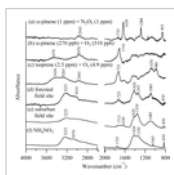


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Nanostructuring of Sensors Determines the Efficiency of Biomolecular Capture

 Xiaomin Bin, Edward H. Sargent and Shana O. Kelley

pp 5928–5931

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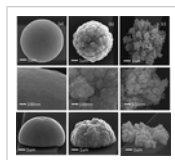


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Christina S. Raska, Tony S. Bennett and Scott A. Goodberlet
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Fred Bjørn Lih, Mark A. Titus, James L. Mohler and Kenneth B. Tomer
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Low Noise Detection of Biomolecular Interactions with Signal-Locking Surface Plasmon Resonance

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Fan Liu and Michael B. Goshe

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Novel Spectrofluorimetric Method for Measuring the Activity of the Enzyme α -L-Fucosidase Using the Nano Composite Optical Sensor Samarium(III)-Doxycycline Complex Doped in Sol-Gel Matrix

M. S. Attia, A. M. Othman, M. M. Aboaly and M. S. A. Abdel-Mottaleb

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Multiplexed Detection and Characterization of Rare Tumor Cells in Hodgkin's Lymphoma with Multicolor Quantum Dots

Jian Liu, Stephen K. Lau, Vijay A. Varma, Brad A. Kairdolf and Shuming Nie

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Cobinamide-Based Cyanide Analysis by Multiwavelength Spectrometry in a Liquid Core Waveguide

Jian Ma and Purnendu K. Dasgupta, William Blackledge and Gerry R. Boss

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Andrew R. Johnson, Mark F. Vitha, Timothy Urness and Thomas Marrinan

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A Ruthenium-Rhodamine Complex as an Activatable Fluorescent Probe

Josefina del Marmol, Oscar Filevich and Roberto Etchenique

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 Dark Field Raman Microscopy





Matthew V. Schulmerich, Rohith Reddy, Anil K. Kodali, Laura Jane Elgass, Krishnarao Tangella and Rohit Bhargava
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TECHNICAL NOTES





 Excite-Coupled Trapping Ring Electrode Cell (eTREC): Radial Trapping Field Control, Linearized Excitation, And Improved Detection

Chad R. Weisbrod, Nathan K. Kaiser, Gunnar E. Skulason and James E. Bruce
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 High Yield Sample Preconcentration Using a Highly Ion-Conductive Charge-Selective Polymer

Honggu Chun, Taek Dong Chung and J. Michael Ramsey
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 Combined Electrochemical Surface Plasmon Resonance for Angle Spread Imaging of Multielement Electrode Arrays

Chang Hoon Choi and Andrew C. Hillier
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Publication Date (Web): June 24, 2010 (Technical Note)
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 Fast Quantitative Single-Molecule Detection at Ultralow Concentrations

Philippe Haas, Patrick Then, Andreas Wild, Wilfried Grange, Sylvain Zorman, Martin Hegner, Michel Calame, Ueli Aebi, Josef Flammer and Bert Hecht
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 Universal Method Facilitating the Amplification of Extremely GC-Rich DNA Fragments from Genomic DNA

Maochen Wei, Jing Deng, Kun Feng, Boyang Yu and Yijun Chen
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 Single Molecule Biosensing Using Color Coded Plasmon Resonant Metal Nanoparticles

Lehui Xiao, Lin Wei, Yan He and Edward S. Yeung
pp 6308-6314
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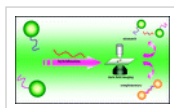


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 Method for Detection of Trace Metal and Metalloid Contaminants in Coal-Generated Fuel Gas Using Gas Chromatography/Ion Trap Mass Spectrometry

Erik C. Rupp, Evan J. Granite and Dennis C. Stanko

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