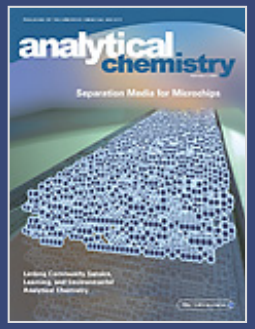

- Analytical Chemistry
- Browse Issues
- Articles ASAP
- Author Index
- Supporting Information
- Sample Issue
- Reviews, Perspectives, and Features
- Where are the A-Pages?
- About AC

- **Authors/Reviewers**
- ACS Paragon System
- Ethical Guidelines
- Info for Authors
- Submit a Manuscript
- Info for Reviewers
- Submit a Review
- Copyright Info

- **Institutions**
- Subscription Info
- Librarian Resource Center
- LiveWire Newsletter
- ACS Legacy Archives

- **ACS Publications**

ACS Publications News

Download Selected Citations

y authors and reviewers who contributed their valuable time and expertise in 2006 to the peer-reviewed journals of the ACS.

- Listen to Associate Editor Rajendrani Mukhopadhyay discuss the research featured on the February 1 issue's cover.
- Register today for ACS chromatography and spectrometry short courses to broaden your expertise, obtain technical skills in new areas, and keep pace with break-through discoveries.
- See the complete listings of Most-Accessed Research Articles for *Analytical Chemistry*.
- *Analytical Chemistry* is #1 in total citations (64,301) and ISI® impact factor (5.635) among the 70 journals in the field of Analytical Chemistry. More citation data...

Current Issue

Current Issue:

Volume 79 Issue 3 (February 01, 2007)
Editor: Royce W. Murray & Associate Editors

EDITORIAL

Virtual Analytical Chemistry Laboratories?
Royce W. Murray
p 790

PDF

AUDIO

Analytical Chemistry: Audio Introduction to the February 1 cover
Rajendrani Mukhopadhyay
p 790

HTML

NEWS

Currents: In vivo volumetric optical microscopy for diagnostic imaging | A hybrid microfluidic system for screening and optimization | Quantitative molecular imaging in mouse organs | Subdiffraction imaging with PAINT | An ultrasensitive nanocatalyst disease proteins | Fast movements watched by 2D IR spectroscopy
pp 791 - 793

PDF

Government and Society: Thailand and U.S. strengthen analytical ties
Vida Foubister
p 794

PDF

People: New members of the News and Features Advisory Panel
p 795

PDF

Research Profile: Dipstick for SNP analysis
Rajendrani Mukhopadhyay
p 796

PDF

Research Profile: Focusing on improved SDS-PAGE separations
Laura Tomky-Cassiday
p 797

PDF

Research Profile: Deep UV Raman imaging for astrobiology
Barry E. DiGregorio
p 798

PDF

BIO SPHERE

By their genes you shall know them
Linda Sage
p 799

PDF

FEATURE

Separation Media for Microchips
Mary J. Wirth
pp 800 - 808

PDF

BIO SPHERE

Gene analysis on a single chip
Joe Alper
p 809

PDF

FEATURE

Linking Community Service, Learning, and Environmental Analytical Chemistry
Joseph A. Gardella, Tammy M. Milillo, Gaurav Sinha, Gunwha Oh, David C. Manns, Eleanor Coffey
pp 810 - 818

PDF

AC DETECTIVE

How Stradivari and Guarneri got their music
Rajendrani Mukhopadhyay
pp 819 - 820

PDF

ACCELERATED ARTICLES

Select Citation

Feedback | $ Purchase

SDS-PAGE under Focusing Conditions: An Electrokinetic Transport Phenomenon Based on Charge Compensation
Gleb Zilberstein, Leonid Korol, Paolo Antonioli, Pier Giorgio Righetti, and Shmuel Bukshpan
pp 821 - 827; **(Accelerated Article)** DOI: 10.1021/ac0615091

Abstract Full: HTML / PDF (341K)

ARTICLES

Select Citation

Temperature-Controlled Depth Profiling of Poly(methyl methacrylate) Using Cluster Secondary Ion Mass Spectrometry. 1. Investigation of Depth Profile Characteristics
Christine M. Mahoney, Albert J. Fahey, and Greg Gillen
pp 828 - 836; **(Article)** DOI: 10.1021/ac061356h

Abstract Full: HTML / PDF (355K)

Temperature-Controlled Depth Profiling of Poly(methyl methacrylate) Using Cluster Secondary Ion Mass Spectrometry. 2. Investigation of Sputter-Induced Topography, Chemical Damage, and Depolymerization Effects
Christine M. Mahoney, Albert J. Fahey, Greg Gillen, Chang Xu, and James D. Batteas
pp 837 - 845; **(Article)** DOI: 10.1021/ac061357+

Abstract Full: HTML / PDF (341K)

Relative Mass Defect Filtering of High-Resolution Mass Spectra for Exploring Minor Selenium Volatiles in Selenium-Enriched Green Onions
Monika Shah, Juris Meija, and Joseph A. Caruso
pp 846 - 853; **(Article)** DOI: 10.1021/ac060703k

Abstract Full: HTML / PDF (660K)

Select Citation

Feedback | $ Purchase

Linking Databases of Chemical Reactions to NMR Data: an Exploration of ^{1}H NMR-Based Reaction Classification
Diogo A. R. S. Latino and João Aires-de-Sousa
pp 854 - 862; **(Article)** DOI: 10.1021/ac060979s

Abstract Full: HTML / PDF (287K) Supporting Info

Select Citation

Feedback | $ Purchase

Statistical Approach To Understand MALDI-TOFMS Matrices: Discovery and Evaluation of New MALDI Matrices
Michael A. R. Meier, Nico Adams, and Ulrich S. Schubert
pp 863 - 869; **(Article)** DOI: 10.1021/ac061173v

Abstract Full: HTML / PDF (396K)

Multichannel Microchip Electrophoresis Device Fabricated in Polycarbonate with an Integrated Contact Conductivity Sensor Array
Hamed Shadpour, Mateusz L. Hupert, Donald Patterson, Changgeng Liu, Michelle Galloway, Wieslaw Stryjewski, Jost Goettert, and Steven A. Soper
pp 870 - 878; **(Article)** DOI: 10.1021/ac0612168

Abstract Full: HTML / PDF (380K)

Polymeric Sulfated Amino Acid Surfactants: A Class of Versatile Chiral Selectors for Micellar Electrokinetic Chromatography (MEKC) and MEKC-MS
Syed Asad Ali Rizvi, Jie Zheng, Robert P. Apkarian, Steven N. Dublin, and Shahab A. Shamsi
pp 879 - 898; **(Article)** DOI: 10.1021/ac061228t

Abstract Full: HTML / PDF (2188K)

Development of a "Membrane Cloaking" Method for Amperometric Enzyme Immunoassay and Surface Plasmon Resonance Analysis of Proteins in Serum Samples
K. Scott Phillips, Jong Ho Han, and Quan Cheng
pp 899 - 907; **(Article)** DOI: 10.1021/ac0612426

Abstract Full: HTML / PDF (216K) Supporting Info

Select Citation

Feedback $ Purchase

Integration of Multianalyte Sensing Functions on a Capillary-Assembled Microchip: Simultaneous Determination of Ion Concentrations and Enzymatic Activities by a "Drop-and-Sip" Technique
Terence G. Henares, Masayuki Takaishi, Naoya Yoshida, Shigeru Terabe, Fumio Mizutani, Ryuichi Sekizawa, and Hideaki Hisamoto
pp 908 - 915; **(Article)** DOI: 10.1021/ac061245i

Abstract Full: HTML / PDF (338K) Supporting Info

Select Citation

Feedback $ Purchase

Biological Imaging of HEK293 Cells Expressing PLC γ 1 Using Surface-Enhanced Raman Microscopy

Sangyeop Lee, Sungyong Kim, Jaebum Choo, Soon Young Shin, Young Han Lee, Ha Young Choi, Seunghan Ha, Kyungho Kang, and Chil Hwan Oh

pp 916 - 922; **(Article)** DOI: 10.1021/ac061246a

Abstract Full: HTML / PDF (586K)

Select Citation

Feedback | $ Purchase

Detection of Multiple Proteins on One Spot by Laser Ablation Inductively Coupled Plasma Mass Spectrometry and Application to Immuno- Microarray with Element-Tagged Antibodies

Shenghong Hu, Sichun Zhang, Zhaochu Hu, Zhi Xing, and Xinrong Zhang

pp 923 - 929; **(Article)** DOI: 10.1021/ac061269p

Abstract Full: HTML / PDF (387K)

Select Citation

Feedback | $ Purchase

Integrated Refractive Index Optical Ring Resonator Detector for Capillary Electrophoresis
Hongying Zhu, Ian M. White, Jonathan D. Suter, Mohammed Zourob, and Xudong Fan
pp 930 - 937; **(Article)** DOI: 10.1021/ac061279q

Abstract Full: HTML / PDF (309K)

Select Citation

Feedback | $ Purchase

Ultratrace LC/MS Proteomic Analysis Using 10- μm-i.d. Porous Layer Open Tubular Poly (styrene-divinylbenzene) Capillary Columns
Guihua Yue, Quanzhou Luo, Jian Zhang, Shiaw-Lin Wu, and Barry L. Karger
pp 938 - 946; **(Article)** DOI: 10.1021/ac061411m

Abstract Full: HTML / PDF (427K)

Select Citation

Feedback | $ Purchase

Serial Immunoassays in Parallel on a Microfluidic Chip for Monitoring Hormone Secretion from Living Cells
John F. Dishinger and Robert T. Kennedy
pp 947 - 954; **(Article)** DOI: 10.1021/ac061425s

Abstract Full: HTML / PDF (244K)

Select Citation

Feedback | $ Purchase

Controlled Mixing in Microfluidic Systems Using Bacterial Chemotaxis
Min Jun Kim and Kenneth S. Breuer
pp 955 - 959; **(Article)** DOI: 10.1021/ac0614691

Abstract Full: HTML / PDF (249K)

Select Citation

Feedback | $ Purchase

Sensitized Luminescent Terbium Nanoparticles: Preparation and Time-Resolved Fluorescence Assay for DNA
Yang Chen, Yumei Chi, Hongmei Wen, and Zuhong Lu
pp 960 - 965; **(Article)** DOI: 10.1021/ac061477h

Abstract Full: HTML / PDF (360K)

Select Citation

Feedback | $ Purchase

Systematic Identification of Conserved Metabolites in GC/MS Data for Metabolomics and Biomarker Discovery

Mark P. Styczynski, Joel F. Moxley, Lily V. Tong, Jason L. Walther, Kyle L. Jensen, and Gregory N. Stephanopoulos

pp 966 - 973; **(Article)** DOI: 10.1021/ac0614846

Abstract Full: HTML / PDF (239K) Supporting Info

Select Citation

Feedback | $ Purchase

Quantitative Method for Specific Nucleic Acid Sequences Using Competitive Polymerase Chain Reaction with an Alternately Binding Probe

Hidenori Tani, Takahiro Kanagawa, Shinya Kurata, Tatsuya Teramura, Kazunori Nakamura, Satoshi Tsuneda, and Naohiro Noda

pp 974 - 979; **(Article)** DOI: 10.1021/ac061506o

Abstract Full: HTML / PDF (97K)

Select Citation

Feedback | $ Purchase

Development of Zeptomole and Attomolar Detection Sensitivity of Biotin-Peptide Using a Dot-Blot GoldNanoparticle Immunoassay
Shao-Yi Hou, Hsi-Kuei Chen, Hsu-Chieh Cheng, and Chun-Yen Huang
pp 980 - 985; **(Article)** DOI: 10.1021/ac061507g

Abstract Full: HTML / PDF (533K)

Select Citation

Feedback | $ Purchase

Ultrasensitive *in situ* Tracing of the Alkaloid Dioncophylline A in the Tropical Liana *Triphyophyllum peltatum* by Applying Deep-UV Resonance Raman Microscopy
Torsten Frosch, Michael Schmitt, Torsten Noll, Gerhard Bringmann, Karla Schenzel, and Jürgen Popp
pp 986 - 993; **(Article)** DOI: 10.1021/ac061526q

Abstract Full: HTML / PDF (314K)

Select Citation

Feedback | $ Purchase

New Valve and Bonding Designs for Microfluidic Biochips Containing Proteins
Chunmeng Lu, Yubing Xie, Yong Yang, Mark M.-C. Cheng, Chee-Guan Koh, Yunling Bai,and, L. James Lee, and Yi-Je Juang
pp 994 - 1001; **(Article)** DOI: 10.1021/ac0615798

Abstract Full: HTML / PDF (626K)

Membrane Proteome Analysis of Microdissected Ovarian Tumor Tissues Using Capillary Isoelectric Focusing/Reversed-Phase Liquid Chromatography-Tandem MS
Weijie Wang, Tong Guo, Paul A. Rudnick, Tao Song, Jie Li, Zhengping Zhuang, Wenxin Zheng, Don L. DeVoe, Cheng S. Lee, and Brian M. Balgley
pp 1002 - 1009; **(Article)** DOI: 10.1021/ac061613i

Abstract Full: HTML / PDF (322K)

Substitution Patterns in Aromatic Rings by Increment Analysis. Model Development and Application to Natural Organic Matter
E. M. Perdue, N. Hertkorn, and A. Kettrup
pp 1010 - 1021; **(Article)** DOI: 10.1021/ac061611y

Abstract Full: HTML / PDF (550K) Supporting Info

"Multicolor" Electrochemical Labeling of DNA Hybridization Probes with Osmium Tetroxide Complexes

Miroslav Fojta, Pavel Koste ˇ ka, Mojmír Trefulka, Lud ˇ k Havran, and Emil Pale ˇ ek

pp 1022 - 1029; **(Article)** DOI: 10.1021/ac0616299

Abstract Full: HTML / PDF (376K)

Select Citation

Feedback $ Purchase

In Vivo Electrochemical Detection of Nitric Oxide in Tumor-Bearing Mice

Sophie Griveau, Charlotte Dumézy, Johanne Séguin, Guy G. Chabot, Daniel Scherman, and Fethi Bedioui

pp 1030 - 1033; **(Article)** DOI: 10.1021/ac061634c

Abstract Full: HTML / PDF (126K)

Select Citation

Feedback $ Purchase

Characterization of Lipid A Acylation Patterns in *Francisella tularensis*, *Francisella novicida*, and *Francisella philomiragia* Using Multiple-Stage Mass Spectrometry and Matrix-Assisted Laser Desorption/Ionization on an Intermediate Vacuum Source Linear Ion Trap
Birgit Schilling, Molly K. McLendon, Nancy J. Phillips, Michael A. Apicella,and, and Bradford W. Gibson
pp 1034 - 1042; **(Article)** DOI: 10.1021/ac061654e

Abstract Full: HTML / PDF (301K) Supporting Info

Select Citation

Feedback $ Purchase

High-Throughput Method for Lipophilicity Measurement
Zhi Chen and Stephen G. Weber
pp 1043 - 1049; **(Article)** DOI: 10.1021/ac061649a

Abstract Full: HTML / PDF (270K)

Select Citation

Feedback $ Purchase

Hairpin Fluorescence DNA Probe for Real-Time Monitoring of DNA Methylation
Jun Li, Hongfei Yan, Kemin Wang, Weihong Tan, and Xingwang Zhou
pp 1050 - 1056; **(Article)** DOI: 10.1021/ac061694i

Abstract Full: HTML / PDF (325K)

Select Citation

Feedback | $ Purchase

Formation of Stable Stacking Zones in a Flow Stream for Sample Immobilization in Microfluidic Systems
Juan Astorga-Wells, Susanne Vollmer, Tomas Bergman, and Hans Jörnvall
pp 1057 - 1063; **(Article)** DOI: 10.1021/ac061699f

Abstract Full: HTML / PDF (213K) Supporting Info

Select Citation

Feedback | $ Purchase

Immobilized Hydrogels for Screening of Molecular Interactions
Melissa M. Dominguez, Michel Wathier, Mark W. Grinstaff, and Scott E. Schaus
pp 1064 - 1066; **(Article)** DOI: 10.1021/ac061709c

Abstract Full: HTML / PDF (205K) Supporting Info

Select Citation

Feedback | $ Purchase

Comprehensive Two-Dimensional Liquid Chromatography Analysis of a Block Copolymer
Kyuhyun Im, Hae-Woong Park, Youngtak Kim, Bonghoon Chung, Moonhor Ree, and Taihyun Chang
pp 1067 - 1072; **(Article)** DOI: 10.1021/ac061738n

Abstract Full: HTML / PDF (202K)

Select Citation

Feedback | $ Purchase

Relative Information Content and Top-Down Proteomics by Mass Spectrometry: Utility of Ion/Ion Proton-Transfer Reactions in Electrospray-Based Approaches
Jian Liu, Paul A. Chrisman, David E. Erickson, and Scott A. McLuckey
pp 1073 - 1081; **(Article)** DOI: 10.1021/ac061798t

Abstract Full: HTML / PDF (274K)

Select Citation

Feedback | $ Purchase

Detection of Protein Biomarkers Using RNA Aptamer Microarrays and Enzymatically Amplified Surface Plasmon Resonance Imaging
Yuan Li, Hye Jin Lee, and Robert M. Corn
pp 1082 - 1088; **(Article)** DOI: 10.1021/ac061849m

Abstract Full: HTML / PDF (258K)

Peptide Aptamers in Label-Free Protein Detection: 1. Characterization of the Immobilized Scaffold
Jason J. Davis, Jan Tkac, Sophie Laurenson, and Paul Ko Ferrigno
pp 1089 - 1096; **(Article)** DOI: 10.1021/ac061863z

Abstract Full: HTML / PDF (356K)

Dynamic Kinetic Capillary Isoelectric Focusing: A Powerful Tool for Studying Protein-DNA Interactions
Zhen Liu, Andrei P. Drabovich, Sergey N. Krylov, and Janusz Pawliszyn
pp 1097 - 1100; **(Article)** DOI: 10.1021/ac061876c

Abstract Full: HTML / PDF (104K)

UV Raman Imaging-A Promising Tool for Astrobiology: Comparative Raman Studies with Different Excitation Wavelengths on SNC Martian Meteorites
Torsten Frosch, Nicolae Tarcea, Michael Schmitt, Hans Thiele, Falko Langenhorst,and, and Jürgen Popp
pp 1101 - 1108; **(Article)** DOI: 10.1021/ac0618977

Abstract Full: HTML / PDF (407K)

Select Citation

Feedback | $ Purchase

Controlling Microarray Spot Morphology with Polymer Liftoff Arrays
Jose M. Moran-Mirabal, Christine P. Tan, Reid N. Orth, Eric O. Williams, Harold G. Craighead,and, and David M. Lin
pp 1109 - 1114; **(Article)** DOI: 10.1021/ac061898z

Abstract Full: HTML / PDF (368K)

Select Citation

Feedback | $ Purchase

Matrix-Assisted Laser Desorption/Ionization-Mass Spectrometry of Hydrophobic Proteins in Mixtures Using Formic Acid, Perfluorooctanoic Acid, and Sorbitol
Rachel R. Ogorzalek Loo and Joseph A. Loo
pp 1115 - 1125; **(Article)** DOI: 10.1021/ac061916c

Abstract Full: HTML / PDF (428K) Supporting Info

Select Citation

Feedback | $ Purchase

Characterization and Resolution of Evaporation-Mediated Osmolality Shifts That Constrain Microfluidic Cell Culture in Poly(dimethylsiloxane) Devices
Yun Seok Heo, Lourdes M. Cabrera, Jonathan W. Song, Nobuyuki Futai, Yi-Chung Tung, Gary D. Smith, and Shuichi Takayama
pp 1126 - 1134; **(Article)** DOI: 10.1021/ac061990v

Abstract Full: HTML / PDF (759K)

Select Citation

Feedback | $ Purchase

Trace Analysis of Trimethoprim and Sulfonamide, Macrolide, Quinolone, and Tetracycline Antibiotics in Chlorinated Drinking Water Using Liquid Chromatography Electrospray Tandem Mass Spectrometry
Zhengqi Ye, Howard S. Weinberg, and Michael T. Meyer
pp 1135 - 1144; **(Article)** DOI: 10.1021/ac060972a

Abstract Full: HTML / PDF (153K) Supporting Info

Select Citation

Feedback | $ Purchase

Method of Measuring *Bacillus anthracis* Spores in the Presence of Copious Amounts of *Bacillus thuringiensis* and *Bacillus cereus*
Gossett A. Campbell and Raj Mutharasan
pp 1145 - 1152; **(Article)** DOI: 10.1021/ac060982b

Abstract Full: HTML / PDF (435K)

Select Citation

Feedback | $ Purchase

Single Gene Differentiation by DNA-Modified Carbon Electrodes Using an AC Impedimetric Approach
Frank Davis, Margaret A. Hughes, Andrew R. Cossins, and Séamus P. J. Higson
pp 1153 - 1157; **(Article)** DOI: 10.1021/ac061070c

Abstract Full: HTML / PDF (146K)

Select Citation

Feedback $ Purchase

Capillary Electrophoresis Assay for G Protein-Coupled Receptor-Mediated GTPase Activity
Emily E. Jameson, Jian Pei, Susan M. Wade, Richard R. Neubig, Graeme Milligan, and Robert T. Kennedy
pp 1158 - 1163; **(Article)** DOI: 10.1021/ac061099g

Abstract Full: HTML / PDF (195K)

Select Citation

Feedback $ Purchase

Exploiting Charge-Transfer Complexation for Selective Measurement of Gas-Phase Olefins with Nanoparticle-Coated Chemiresistors
Michael P. Rowe, William H. Steinecker, and Edward T. Zellers
pp 1164 - 1172; **(Article)** DOI: 10.1021/ac061305k

Abstract Full: HTML / PDF (147K)

Select Citation

Feedback | $ Purchase

Mechanical and Chemical Protection of a Wired Enzyme Oxygen Cathode by a Cubic Phase Lyotropic Liquid Crystal
Pawel Rowinski, Chan Kang, Hyosul Shin, and Adam Heller
pp 1173 - 1180; **(Article)** DOI: 10.1021/ac061325m

Abstract Full: HTML / PDF (138K)

Select Citation

Feedback | $ Purchase

Human Urine as Test Material in ^{1}H NMR-Based Metabonomics: Recommendations for Sample Preparation and Storage
Michael Lauridsen, Steen H. Hansen, Jerzy W. Jaroszewski, and Claus Cornett
pp 1181 - 1186; **(Article)** DOI: 10.1021/ac061354x

Abstract Full: HTML / PDF (106K)

Select Citation

Feedback | $ Purchase

Molecular Formula Analysis by an MS/MS/MS Technique To Expedite Dereplication of Natural Products
Yasuo Konishi, Taira Kiyota, Cristina Draghici, Jin-Ming Gao, Faustinus Yeboah, Stephane Acoca, Suwatchai Jarussophon, and Enrico Purisima
pp 1187 - 1197; **(Article)** DOI: 10.1021/ac061391o

Abstract Full: HTML / PDF (392K) Supporting Info

Select Citation

Feedback $ Purchase

Quantitative Determination of Isotope Ratios from Experimental Isotopic Distributions
Parminder Kaur and Peter B. O'Connor
pp 1198 - 1204; **(Article)** DOI: 10.1021/ac061535z

Abstract Full: HTML / PDF (112K)

Select Citation

Feedback $ Purchase

Microfluidic Partitioning of the Extracellular Space around Single Cardiac Myocytes
Norbert Klauke, Godfrey L. Smith, and Jonathan M. Cooper
pp 1205 - 1212; **(Article)** DOI: 10.1021/ac061547k

Abstract Full: HTML / PDF (756K)

Electrochemistry and Contact Angles of an Ionic Liquid Sessile Droplet on Films of Monolayer-Protected Au Nanoparticles
Wei Wang and Royce W. Murray
pp 1213 - 1220; **(Article)** DOI: 10.1021/ac0615697

Abstract Full: HTML / PDF (124K)

On-Fiber Standardization Technique for Solid-Coated Solid-Phase Microextraction
Simon Ningsun Zhou, Xu Zhang, Gangfeng Ouyang, Ali Eshaghi, and Janusz Pawliszyn
pp 1221 - 1230; **(Article)** DOI: 10.1021/ac061626w

Abstract Full: HTML / PDF (227K)

Grazing-Angle Fiber-Optic Fourier Transform Infrared Reflection-Absorption Spectroscopy for the in Situ Detection and Quantification of Two Active Pharmaceutical Ingredients on Glass
Benjamin B. Perston, Michelle L. Hamilton, Bryce E. Williamson, Peter W. Harland, Mary A. Thomson, and Peter J. Melling
pp 1231 - 1236; **(Article)** DOI: 10.1021/ac061660a

Abstract Full: HTML / PDF (124K) Supporting Info

Select Citation

Feedback | $ Purchase

pH-Independent Fluorescent Chemosensor for Highly Selective Lithium Ion Sensing
Daniel Citterio, Junichiro Takeda, Masaki Kosugi, Hideaki Hisamoto, Shin-ichi Sasaki, Hirokazu Komatsu, and Koji Suzuki
pp 1237 - 1242; **(Article)** DOI: 10.1021/ac061674g

Abstract Full: HTML / PDF (107K) Supporting Info

Select Citation

Feedback | $ Purchase

Hydrophilic Interaction Chromatography Using Methacrylate-Based Monolithic Capillary Column for the Separation of Polar Analytes
Zhengjin Jiang, Norman W. Smith, Paul D. Ferguson, and Mark R. Taylor
pp 1243 - 1250; **(Article)** DOI: 10.1021/ac061871f

Abstract Full: HTML / PDF (425K)

TECHNICAL NOTES

Select Citation

Feedback | $ Purchase

Mass Spectrometry-Assisted Protease Substrate Screening
Hartmut Schlüter, Jana Rykl, Joachim Thiemann, Sandra Kurzawski, Johan Gobom, Martin Tepel, Walter Zidek, and Michael Linscheid
pp 1251 - 1255; **(Technical Note)** DOI: 10.1021/ac061482l

Abstract Full: HTML / PDF (210K)

Select Citation

Feedback | $ Purchase

Quantitative Determination of Enzyme Activity in Single Cells by Scanning Microelectrode Coupled with a Nitrocellulose Film-Covered Microreactor by Means of a Scanning Electrochemical Microscope
Xiaoli Zhang, Fuchan Sun, Xuewei Peng, and Wenrui Jin
pp 1256 - 1261; **(Technical Note)** DOI: 10.1021/ac061450y

Abstract Full: HTML / PDF (270K) Supporting Info

Select Citation

Feedback $ Purchase

Adaptation of a Commercial Capillary Electrophoresis Instrument for Chemiluminescence Detection
Jonathan C. Dumke and Mark A. Nussbaum
pp 1262 - 1265; **(Technical Note)** DOI: 10.1021/ac061885l

Abstract Full: HTML / PDF (64K) Supporting Info

CORRESPONDENCE

Select Citation

Feedback $ Purchase

Nanobiosensor Design Utilizing a Periplasmic *E. coli* Receptor Protein Immobilized within Au/ Polycarbonate Nanopores
Abhinav Tripathi, Jianbin Wang, Linda A. Luck, and Ian I. Suni
pp 1266 - 1270; **(Small Correspondence)** DOI: 10.1021/ac061319q

Abstract Full: HTML / PDF (246K)

Select Citation

Feedback | $ Purchase

High-Throughput, Non-Destructive Determination of Oil Content in Intact Seeds by Continuous Wave-Free Precession NMR
Luiz Alberto Colnago, Mario Engelsberg, André Alves Souza, and Lúcio Leonel Barbosa
pp 1271 - 1274; **(Small Correspondence)** DOI: 10.1021/ac062091+

Abstract Full: HTML / PDF (117K)

Download Selected Citations

Citation Management
Learn More