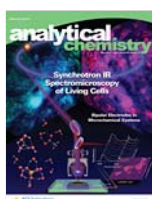


Personalize your experience: [Log In](#) [Register](#) [Cart](#) [Website Demos](#)[ACS](#) [Journals](#) [C&EN](#) [CAS](#)[Publications A-Z](#) | [Home](#) | [Authors & Reviewers](#) | [Librarians](#) | [ACS Members](#) | [Help](#)**analytical**
chemistryAnywhere Anal. Chem. All Publications/Website

Subscriber access provided by SCIENCE AND TECHNOLOGY KNOWLEDGE SERVICES

Table of Contents[Larger Cover](#)November 1, 2010
Volume 82, Issue 21
Pages 8755-9134

In this issue:

[EDITORIAL](#)[LETTER TO ANALYTICAL CHEMISTRY](#)[RESEARCH PROFILE](#)[ARTICLES](#)[FEATURES](#)[TECHNICAL NOTES](#)**About the Cover:**IR spectroscopy has long been used to study cells and living tissues, and now the analytical capabilities of synchrotron IR spectromicroscopy has expanded this ability. The cover, created by Robert Gates, shows an IR beam emitted from a synchrotron toward individual living cells (background) and IR spectra and molecular analytes in the foreground. [View the article.](#)

Advertisements

Miniature Spectrometers
UV-VIS-NIR
190-2300nm
Chemistry
StellarNet Inc
www.StellarNet.us

[Info for Advertisers](#) ACS AuthorChoice indicates the article is freely available through sponsorship by the author or related funding agency. [More about this program.](#)**New Feature** ? Select All For Selected:

EDITORIAL

 Science Blogs and Caveat Emptor

Royce Murray

p 8755

Publication Date (Web): October 12, 2010 (Editorial)

DOI: 10.1021/ac102628p

Abstract

Full Text HTML

Hi-Res PDF [27K]

PDF w/ Links [46K]

Sponsored Access

RESEARCH PROFILE

 Electrochemical impedance spectroscopy says "cheese!"

Rajendrani Mukhopadhyay

p 8756

Publication Date (Web): September 27, 2010 (Research Profile)

DOI: 10.1021/ac102467a

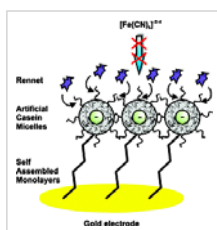
Abstract

Full Text HTML

Hi-Res PDF [281K]

PDF w/ Links [83K]

Sponsored Access



FEATURES

 Synchrotron IR Spectromicroscopy: Chemistry of Living Cells

Hoi-Ying N. Holman, Hans A. Bechtel, Zhao Hao, and Michael C. Martin

pp 8757-8765

Publication Date (Web): September 14, 2010 (Feature)

DOI: 10.1021/ac100991d

Abstract

Full Text HTML

Hi-Res PDF [3264K]

PDF w/ Links [432K]

Sponsored Access



Browse By Issue

Select Decade Select Volume Select Issue [List of Issues](#)

Advertisements

C&EN WEBINARS

INNOVATIONS IN GC/MS TECHNOLOGY

LIVE WEBINAR:

11:00 A.M. EST,
10:00 A.M. CST,
8:00 A.M. PST,
5:00 P.M. CET (EUROPE)

Sponsored by
Thermo SCIENTIFIC

Hosted by
C&EN WEBINARS

REGISTER NOW

[Info for Advertisers](#)

Bipolar Electrodes: A Useful Tool for Concentration, Separation, and Detection of Analytes in Microelectrochemical Systems

François Mavré, Robbyn K. Anand, Derek R. Laws, Kwok-Fan Chow, Byoung-Yong Chang, John A. Crooks, and Richard M. Crooks
 pp 8766-8774
 Publication Date (Web): September 3, 2010 (Feature)
 DOI: 10.1021/ac101262v

Abstract

 Full Text HTML
 Hi-Res PDF [3084K]
 PDF w/ Links [415K]
 Sponsored Access

Ads by Google

Separation Science
 Free access to Chromatography and MS applications and troubleshooting
www.sepscience.com

SILAC, MS Services & Kits
 ICAT, ITRAQ & complex analyses SILAC Ready-to-Use TC Reagents
www.dundeeccellproducts.com

Single Capillary Users
 Capillary Electrophoresis Gels For Protein, DNA & RNA separations
www.cegels.com

TLC-MS Interface
 For direct extraction of compounds from TLC/HPTLC plates into MS
www.camag.com

Protein Quantification
 PSAQ™: Absolute Quantification of Proteins and Biomarkers by MS
www.promise-proteomics.com





Info for Advertisers

LETTER TO ANALYTICAL CHEMISTRY

Colorimetric Assay for S-Adenosylhomocysteine Hydrolase Activity and Inhibition Using Fluorosurfactant-Capped Gold Nanoparticles

Jia-Hui Lin, Chung-Wei Chang, Zong-Han Wu, and Wei-Lung Tseng
 pp 8775-8779
 Publication Date (Web): October 14, 2010 (Letter)
 DOI: 10.1021/ac102020n





Abstract | Supporting Info

 Full Text HTML
 Hi-Res PDF [2550K]
 PDF w/ Links [254K]
 Subscriber Access

Measurement of Protein-Ligand Binding Constants from Reaction-Diffusion Concentration Profiles

Yanhu Wei, Paul J. Wesson, Igor Kourkine, and Bartosz A. Grzybowski
 pp 8780-8784
 Publication Date (Web): October 5, 2010 (Letter)
 DOI: 10.1021/ac102055a





Abstract | Supporting Info

 Full Text HTML
 Hi-Res PDF [2629K]
 PDF w/ Links [230K]
 Subscriber Access

Coupling Laser Ablation and Atomic Fluorescence Spectrophotometry: An Example Using Mercury Analysis of Small Sections of Fish Scales

Luc Beaudin, Sophia C. Johannessen, and Robie W. Macdonald
 pp 8785-8788
 Publication Date (Web): October 13, 2010 (Letter)
 DOI: 10.1021/ac1021387





Abstract

 Full Text HTML
 Hi-Res PDF [1480K]
 PDF w/ Links [159K]
 Subscriber Access

High-Performance Isotope Labeling for Profiling Carboxylic Acid-Containing Metabolites in Biofluids by Mass Spectrometry

Kevin Guo and Liang Li
 pp 8789-8793
 Publication Date (Web): October 14, 2010 (Letter)
 DOI: 10.1021/ac102146g



Abstract | Supporting Info

 Full Text HTML
 Hi-Res PDF [162K]
 PDF w/ Links [145K]
 Subscriber Access

Simultaneous Quantification of Cardiolipin, Bis(monoacylglycerol)phosphate and their Precursors by Hydrophilic Interaction LC-MS/MS Including Correction of Isotopic Overlap

Max Scherer, Gerd Schmitz, and Gerhard Liebisch
 pp 8794-8799
 Publication Date (Web): October 14, 2010 (Letter)
 DOI: 10.1021/ac1021826

Abstract | Supporting Info





 Full Text HTML
 Hi-Res PDF [560K]
 PDF w/ Links [213K]
 Subscriber Access

ARTICLES

Ionic Matrix for Enhanced MALDI Imaging Mass Spectrometry for Identification of Phospholipids in Mouse Liver and Cerebellum Tissue Sections

Kamlesh Shrivastava, Takahiro Hayasaka, Naoko Goto-Inoue, Yuki Sugiura, Nobuhiro Zaima, and Mitsutoshi Setou
 pp 8800-8806
 Publication Date (Web): October 12, 2010 (Article)
 DOI: 10.1021/ac102422b

Abstract | Supporting Info

 Full Text HTML
 Hi-Res PDF [2551K]
 PDF w/ Links [328K]
 Subscriber Access

Automated Broadband Phase Correction of Fourier Transform Ion Cyclotron Resonance Mass Spectra

Feng Xian, Christopher L. Hendrickson, Greg T. Blakney, Steven C. Beu, and Alan G. Marshall
 pp 8807-8812
 Publication Date (Web): October 14, 2010 (Article)
 DOI: 10.1021/ac101091w





Abstract | Supporting Info

 Full Text HTML
 Hi-Res PDF [1363K]
 PDF w/ Links [266K]
 Subscriber Access

Aptamers as Affinity Reagents in an Integrated Electrophoretic Lab-on-a-Chip Platform

Ariel H. Hecht, Greg J. Sommer, Ross H. Durland, Xianbin Yang, Anup K. Singh, and Anson V. Hatch
pp 8813-8820
Publication Date (Web): October 14, 2010 (Article)
DOI: 10.1021/ac101106m





[Abstract | Supporting Info](#)

 Full Text HTML
 Hi-Res PDF [1992K]
 PDF w/ Links [287K]
 Subscriber Access

Synthesis of Recognition Matrix from 4-Methylamino-N-Allylnaphthalimide with Fluorescent Effect for the Imprinting of Creatinine

Mei-Jywan Syu, Ting-Jung Hsu, and Zong-Kun Lin
pp 8821-8829
Publication Date (Web): October 4, 2010 (Article)
DOI: 10.1021/ac1011848





[Abstract | Supporting Info](#)

 Full Text HTML
 Hi-Res PDF [3130K]
 PDF w/ Links [444K]
 Subscriber Access

Ternary Surface Monolayers for Ultrasensitive (Zeptomole) Amperometric Detection of Nucleic Acid Hybridization without Signal Amplification

Jie Wu, Susana Campuzano, Colin Halford, David A. Haake, and Joseph Wang
pp 8830-8837
Publication Date (Web): September 30, 2010 (Article)
DOI: 10.1021/ac101474k





[Abstract | Supporting Info](#)

 Full Text HTML
 Hi-Res PDF [1070K]
 PDF w/ Links [257K]
 Subscriber Access

Phage Anti-Immunoconjugate Assay for Clomazone: Two-Site Recognition Increasing Assay Specificity and Facilitating Adaptation into an On-Site Format

M. A. Rossotti, M. Carlomagno, A. González-Tejera, B. D. Hammock, J. Last, and G. González-Sapienza
pp 8838-8843
Publication Date (Web): October 1, 2010 (Article)
DOI: 10.1021/ac101476f





[Abstract](#)

 Full Text HTML
 Hi-Res PDF [1507K]
 PDF w/ Links [225K]
 Subscriber Access

Paper Disk on Screen Printed Electrode for One-Step Sensing with an Internal Standard

Swee Ngin Tan, Liya Ge, and Wei Wang
pp 8844-8847
Publication Date (Web): October 5, 2010 (Article)
DOI: 10.1021/ac1015062





[Abstract](#)

 Full Text HTML
 Hi-Res PDF [498K]
 PDF w/ Links [166K]
 Subscriber Access

Wettability Patterning by UV-Initiated Graft Polymerization of Poly(acrylic acid) in Closed Microfluidic Systems of Complex Geometry

Marc H. Schneider, Hervé Willaume, Yvette Tran, Fadhel Rezgui, and Patrick Tabeling
pp 8848-8855
Publication Date (Web): October 4, 2010 (Article)
DOI: 10.1021/ac101345m





[Abstract | Supporting Info](#)

 Full Text HTML
 Hi-Res PDF [4491K]
 PDF w/ Links [317K]
 Subscriber Access

In-Plane Parallel Scanning: A Microarray Technology for Point-of-Care Testing

Reuven Duer, Russell Lund, Richard Tanaka, Douglas A. Christensen, and James N. Herron
pp 8856-8865
Publication Date (Web): October 14, 2010 (Article)
DOI: 10.1021/ac101571b





[Abstract](#)

 Full Text HTML
 Hi-Res PDF [3361K]
 PDF w/ Links [310K]
 Subscriber Access

Elution, Partial Separation, and Identification of Lipids Directly from Tissue Slices on Planar Chromatography Media by Desorption Electrospray Ionization Mass Spectrometry

Justin M. Wiseman and Jessica B. Li
pp 8866-8874
Publication Date (Web): October 13, 2010 (Article)
DOI: 10.1021/ac1016453





[Abstract | Supporting Info](#)

 Full Text HTML
 Hi-Res PDF [1296K]
 PDF w/ Links [379K]
 Subscriber Access

Quantitative Characterization of Multicomponent Polymers by Sample-Controlled Thermal Analysis

Pedro E. Sánchez-Jiménez, Luis A. Pérez-Maqueda, José E. Crespo-Amorós, Juan López, Antonio Perejón, and José M. Criado
pp 8875-8880
Publication Date (Web): October 8, 2010 (Article)
DOI: 10.1021/ac101651g





[Abstract](#)

 Full Text HTML
 Hi-Res PDF [370K]
 PDF w/ Links [230K]
 Subscriber Access

Simultaneous Detection of Seven Staphylococcal Enterotoxins: Development of Hydrogel Biochips for Analytical and Practical Application

A. Yu. Rubina, M. A. Filippova, G. U. Feizkhanova, A. O. Shepeliakovskaya, E. I. Sidina, Kh. M. Bozhev, A. G. Laman, F. A. Brovko, Yu. V. Vertiev, A. S. Zasedatelev, and E. V. Grishin
pp 8881-8889
Publication Date (Web): September 15, 2010 (Article)
DOI: 10.1021/ac1016634

[Abstract](#)

 Full Text HTML
 Hi-Res PDF [2417K]
 PDF w/ Links [295K]
 Subscriber Access

Ion Mobility and Collision-Induced Dissociation Analysis of Carbonic Anhydrase 2

Yoshiaki Nabuchi, Kenji Hirose, and Mitsuo Takayama

pp 8890-8896

Publication Date (Web): October 14, 2010 (Article)

DOI: 10.1021/ac101482b

[Abstract](#) | [Supporting Info](#) [Full Text HTML](#) [Hi-Res PDF \[1221K\]](#) [PDF w/ Links \[332K\]](#) [Subscriber Access](#)**Quantitative Rate Determination by Dynamic Nuclear Polarization Enhanced NMR of a Diels–Alder Reaction**

Haifeng Zeng, Youngbok Lee, and Christian Hilty

pp 8897-8902

Publication Date (Web): October 13, 2010 (Article)

DOI: 10.1021/ac101670n

[Abstract](#) | [Supporting Info](#) [Full Text HTML](#) [Hi-Res PDF \[171K\]](#) [PDF w/ Links \[165K\]](#) [Subscriber Access](#)**Performance Characteristics of Diffusive Gradients in Thin Films Equipped with a Binding Gel Layer Containing Precipitated Ferrihydrite for Measuring Arsenic(V), Selenium(VI), Vanadium(V), and Antimony(V)**

Jun Luo, Hao Zhang, Jakob Santner, and William Davison

pp 8903-8909

Publication Date (Web): October 11, 2010 (Article)

DOI: 10.1021/ac101676w

[Abstract](#) | [Supporting Info](#) [Full Text HTML](#) [Hi-Res PDF \[411K\]](#) [PDF w/ Links \[251K\]](#) [Subscriber Access](#)**Field-Free Remobilization of Proteins after Isoelectric Focusing in Packed Capillaries**

Yimin Hua, Brooke M. Koshel, and Mary J. Wirth

pp 8910-8915

Publication Date (Web): October 8, 2010 (Article)

DOI: 10.1021/ac101680z

[Abstract](#) | [Supporting Info](#) [Full Text HTML](#) [Hi-Res PDF \[2626K\]](#) [PDF w/ Links \[274K\]](#) [Subscriber Access](#)**Measurement System for Particulate Nitrate Based on the Scrubber Difference NO–O₃ Chemiluminescence Method in Remote Areas**

A. Yuba, Y. Sadanaga, A. Takami, S. Hatakeyama, N. Takenaka, and H. Bandow

pp 8916-8921

Publication Date (Web): October 12, 2010 (Article)

DOI: 10.1021/ac101704w

[Abstract](#) [Full Text HTML](#) [Hi-Res PDF \[1333K\]](#) [PDF w/ Links \[229K\]](#) [Subscriber Access](#)**Rapid Microwave-Assisted Chemical Cleavage - Mass Spectrometric Method for the Identification of Hemoglobin Variants in Blood**

Asif Alam, Agron Mataj, Yuanzhong Yang, Reinhard I. Boysen, Donald K. Bowden, and Milton T. W. Hearn

pp 8922-8930

Publication Date (Web): October 11, 2010 (Article)

DOI: 10.1021/ac1017106

[Abstract](#) [Full Text HTML](#) [Hi-Res PDF \[999K\]](#) [PDF w/ Links \[331K\]](#) [Subscriber Access](#)**HPLC Purification of Higher Plant-Derived Lignin Phenols for Compound Specific Radiocarbon Analysis**

Anitra E. Ingalls, Erin E. Ellis, Guaciara M. Santos, Kelsey E. McDuffee, Laura Truxal, Richard G. Keil, and Ellen R. M. Druffel

pp 8931-8938

Publication Date (Web): October 1, 2010 (Article)

DOI: 10.1021/ac1016584

[Abstract](#) | [Supporting Info](#) [Full Text HTML](#) [Hi-Res PDF \[326K\]](#) [PDF w/ Links \[223K\]](#) [Subscriber Access](#)**Automated Protein Hydrolysis Delivering Sample to a Solid Acid Catalyst for Amino Acid Analysis**

Akiko Masuda and Naoshi Dohmae

pp 8939-8945

Publication Date (Web): October 5, 2010 (Article)

DOI: 10.1021/ac101718x

[Abstract](#) [Full Text HTML](#) [Hi-Res PDF \[394K\]](#) [PDF w/ Links \[208K\]](#) [Subscriber Access](#)**Molecularly Engineered Charge-Conversion of Proteins for Sensitive Biosensing**

Tatsuro Goda and Yuji Miyahara

pp 8946-8953

Publication Date (Web): October 12, 2010 (Article)

DOI: 10.1021/ac1018233

[Abstract](#) | [Supporting Info](#) [Full Text HTML](#) [Hi-Res PDF \[490K\]](#) [PDF w/ Links \[349K\]](#) [Subscriber Access](#)**Biocompatibility and Reduced Drug Absorption of Sol–Gel-Treated Poly(dimethyl siloxane) for Microfluidic Cell Culture Applications**

Rafael Gomez-Sjoberg, Anne A. Leyrat, Benjamin T. Houseman, Kevan Shokat, and Stephen R. Quake

pp 8954-8960

Publication Date (Web): October 11, 2010 (Article)

DOI: 10.1021/ac101870s

[Abstract](#) | [Supporting Info](#) [Full Text HTML](#) [Hi-Res PDF \[1551K\]](#) [PDF w/ Links \[309K\]](#) [Subscriber Access](#)

-
- Synthesis of a Functional Metal-Chelating Polymer and Steps toward Quantitative Mass Cytometry Bioassays** [Abstract](#) | [Supporting Info](#)
Daniel Majonis, Isaac Herrera, Olga Ornatsky, Maren Schulze, Xudong Lou, Mohsen Soleimani, Mark Nitz, and Mitchell A. Winnik
pp 8961-8969
Publication Date (Web): October 12, 2010 ([Article](#))
DOI: 10.1021/ac101901x
- Assessment of Glycoprotein Interactions with 4-[(2-aminoethyl)carbamoyl]phenylboronic Acid Surfaces Using Surface Plasmon Resonance Spectroscopy** [Abstract](#) | [Supporting Info](#)
Jennifer Macalindong De Guzman, Steven A. Soper, and Robin L. McCarley
pp 8970-8977
Publication Date (Web): October 4, 2010 ([Article](#))
DOI: 10.1021/ac101911a
- Metrological Triangle for Measurements of Isotope Amount Ratios of Silver, Indium, and Antimony Using Multicollector-Inductively Coupled Plasma Mass Spectrometry: The 21st Century Harvard Method** [Abstract](#)
Lu Yang, Ralph E. Sturgeon, Zoltan Mester, and Juris Meija
pp 8978-8982
Publication Date (Web): September 30, 2010 ([Article](#))
DOI: 10.1021/ac1019396
- Quantitative Analysis of Blood Plasma Metabolites Using Isotope Enhanced NMR Methods** [Abstract](#) | [Supporting Info](#)
G. A. Nagana Gowda, Fariba Tayyari, Tao Ye, Yuliana Suryani, Siwei Wei, Narasimhamurthy Shanaiah, and Daniel Raftery
pp 8983-8990
Publication Date (Web): September 29, 2010 ([Article](#))
DOI: 10.1021/ac101938w
- Sensitive Detection of Nucleic Acids with Rolling Circle Amplification and Surface-Enhanced Raman Scattering Spectroscopy** [Abstract](#)
Juan Hu and Chun-yang Zhang
pp 8991-8997
Publication Date (Web): October 4, 2010 ([Article](#))
DOI: 10.1021/ac1019599
- Immunoaffinity Enrichment and Liquid Chromatography-Selected Reaction Monitoring Mass Spectrometry for Quantitation of Carbonic Anhydrase 12 in Cultured Renal Carcinoma Cells** [Abstract](#) | [Supporting Info](#)
Agnes Rafalko, Othon Iliopoulos, Vincent A. Fusaro, William Hancock, and Marina Hincapie
pp 8998-9005
Publication Date (Web): October 11, 2010 ([Article](#))
DOI: 10.1021/ac101981t
- Circular Dichroism and Voltammetry, Assisted by Multivariate Curve Resolution, and Mass Spectrometry of the Competitive Metal Binding by Phytochelatin PC₅** [Abstract](#) | [Supporting Info](#)
Rui Gusmão, Santiago Cavanillas, Cristina Arifio, José Manuel Díaz-Cruz, and Miquel Esteban
pp 9006-9013
Publication Date (Web): October 8, 2010 ([Article](#))
DOI: 10.1021/ac1019733
- Collision Cross-Section Determination and Tandem Mass Spectrometric Analysis of Isomeric Carotenoids Using Electrospray Ion Mobility Time-of-Flight Mass Spectrometry** [Abstract](#) | [Supporting Info](#)
Linlin Dong, Henry Shion, Roderick G. Davis, Brent Terry-Penak, Jose Castro-Perez, and Richard B. van Breemen
pp 9014-9021
Publication Date (Web): October 7, 2010 ([Article](#))
DOI: 10.1021/ac101974g
-

Quantitative Determination of Sarcosine and Related Compounds in Urinary Samples by Liquid Chromatography with Tandem Mass Spectrometry

Yongqing Jiang, Xiaoliang Cheng, Chuan Wang, and Yinfa Ma

pp 9022-9027

Publication Date (Web): October 12, 2010 (Article)

DOI: 10.1021/ac1019914

[Abstract](#) [Full Text HTML](#) [Hi-Res PDF \[790K\]](#) [PDF w/ Links \[189K\]](#) [Subscriber Access](#)**Label-Free Voltammetric Detection Using Individually Addressable Oligonucleotide Microelectrode Arrays**

Roya Kalantari, Ryan Cantor, Hang Chen, George Yu, Jiri Janata, and Mira Josowicz

pp 9028-9033

Publication Date (Web): October 7, 2010 (Article)

DOI: 10.1021/ac102002k

[Abstract | Supporting Info](#) [Full Text HTML](#) [Hi-Res PDF \[1188K\]](#) [PDF w/ Links \[222K\]](#) [Subscriber Access](#)**Metabolite Identification in *Synechococcus sp. PCC 7002* Using Untargeted Stable Isotope Assisted Metabolite Profiling**

Richard Baran, Benjamin P. Bowen, Nicholas J. Bouskill, Eoin L. Brodie, Steven M. Yannone, and Trent R. Northen

pp 9034-9042

Publication Date (Web): October 14, 2010 (Article)

DOI: 10.1021/ac1020112

[Abstract | Supporting Info](#) [Full Text HTML](#) [Hi-Res PDF \[1432K\]](#) [PDF w/ Links \[292K\]](#) [Subscriber Access](#)**Analytical Nanosphere Sensors Using Quantum Dot-Enzyme Conjugates for Urea and Creatinine**

Maria J. Ruedas-Rama and Elizabeth A. H. Hall

pp 9043-9049

Publication Date (Web): October 12, 2010 (Article)

DOI: 10.1021/ac101838n

[Abstract | Supporting Info](#) [Full Text HTML](#) [Hi-Res PDF \[2954K\]](#) [PDF w/ Links \[385K\]](#) [Subscriber Access](#)**Real-Time Hydrogen/Deuterium Exchange Kinetics via Supercharged Electrospray Ionization Tandem Mass Spectrometry**

Harry J. Sterling and Evan R. Williams

pp 9050-9057

Publication Date (Web): October 13, 2010 (Article)

DOI: 10.1021/ac101957x

[Abstract | Supporting Info](#) [Full Text HTML](#) [Hi-Res PDF \[1386K\]](#) [PDF w/ Links \[351K\]](#) [Subscriber Access](#)**Hand-held Spectroscopic Device for In Vivo and Intraoperative Tumor Detection: Contrast Enhancement, Detection Sensitivity, and Tissue Penetration**

Aaron M. Mohs, Michael C. Mancini, Sunil Singhal, James M. Provenzale, Brian Leyland-Jones, May D. Wang, and Shuming Nie

pp 9058-9065

Publication Date (Web): October 6, 2010 (Article)

DOI: 10.1021/ac102058k

[Abstract](#) [Full Text HTML](#) [Hi-Res PDF \[3018K\]](#) [PDF w/ Links \[388K\]](#) [Subscriber Access](#)**Mechanisms of ESI-MS Selectivity and Sensitivity Enhancements When Detecting Anions in the Positive Mode Using Cationic Pairing Agents**

Zachary S. Breitbach, Eranda Wanigasekara, Edra Dodbiba, Kevin A. Schug, and Daniel W. Armstrong

pp 9066-9073

Publication Date (Web): October 11, 2010 (Article)

DOI: 10.1021/ac102115w

[Abstract](#) [Full Text HTML](#) [Hi-Res PDF \[1718K\]](#) [PDF w/ Links \[290K\]](#) [Subscriber Access](#)**Confirmatory Analysis of Continuous Erythropoietin Receptor Activator and Erythropoietin Analogues in Equine Plasma by LC-MS for Doping Control**

Fuyu Guan, Cornelius E. Uboh, Lawrence R. Soma, George Maylin, Zibin Jiang, and Jinwen Chen

pp 9074-9081

Publication Date (Web): October 14, 2010 (Article)

DOI: 10.1021/ac102031w

[Abstract | Supporting Info](#) [Full Text HTML](#) [Hi-Res PDF \[1101K\]](#) [PDF w/ Links \[244K\]](#) [Subscriber Access](#)**Quantitative Analysis of Multivalent Ligand Presentation on Gold Glyconanoparticles and the Impact on Lectin Binding**

Xin Wang, Olof Ramström, and Mingdi Yan

pp 9082-9089

Publication Date (Web): October 13, 2010 (Article)

DOI: 10.1021/ac102114z

[Abstract | Supporting Info](#) [Full Text HTML](#) [Hi-Res PDF \[2453K\]](#) [PDF w/ Links \[300K\]](#) [Subscriber Access](#)**Molecular Detection of Targeted Major Histocompatibility Complex I-Bound Peptides Using a Probabilistic Measure and Nanospray MS³ on a Hybrid Quadrupole-Linear Ion Trap**

Bruce Reinhold, Derin B. Keskin, and Ellis L. Reinherz

pp 9090-9099

Publication Date (Web): October 8, 2010 (Article)




DOI: 10.1021/ac102387t

[Abstract | Supporting Info](#) [Full Text HTML](#) [Hi-Res PDF \[2025K\]](#) [PDF w/ Links \[371K\]](#) [Sponsored Access](#) ACS AuthorChoice

Direct Detection and Quantification of Methylation in Nucleic Acid Sequences Using High-Resolution Melting Analysis

Carlos M. Rodríguez López, Beatriz Guzmán Asenjo, Amanda J. Lloyd, and Mike J. Wilkinson
pp 9100-9108
Publication Date (Web): October 14, 2010 (Article)
DOI: 10.1021/ac1024057

[Abstract](#) | [Supporting Info](#)




 [Full Text HTML](#)
 [Hi-Res PDF \[3401K\]](#)
 [PDF w/ Links \[426K\]](#)

 [Subscriber Access](#)

Using Triplex-Forming Oligonucleotide Probes for the Reagentless, Electrochemical Detection of Double-Stranded DNA

Adriana Patterson, Felice Caprio, Alexis Vallée-Bélisle, Danila Moscone, Kevin W. Plaxco, Giuseppe Palleschi, and Francesco Ricci
pp 9109-9115
Publication Date (Web): October 11, 2010 (Article)
DOI: 10.1021/ac1024528

[Abstract](#)

 [Full Text HTML](#)
 [Hi-Res PDF \[829K\]](#)
 [PDF w/ Links \[259K\]](#)




 [Subscriber Access](#)

TECHNICAL NOTES

Separation of Bulk Effects and Bound Mass during Adsorption of Surfactants Probed by Quartz Crystal Microbalance with Dissipation: Insight into Data Interpretation

Romain Bordes and Fredrik Höök
pp 9116-9121
Publication Date (Web): October 13, 2010 (Technical Note)
DOI: 10.1021/ac1018149

[Abstract](#)




 [Full Text HTML](#)
 [Hi-Res PDF \[897K\]](#)
 [PDF w/ Links \[232K\]](#)

 [Subscriber Access](#)

Microwave-Assisted ¹⁸O-Labeling of Proteins Catalyzed by Formic Acid

Ning Liu, Hanzhi Wu, Hongxia Liu, Guonan Chen, and Zongwei Cai
pp 9122-9126
Publication Date (Web): October 12, 2010 (Technical Note)
DOI: 10.1021/ac101888f

[Abstract](#) | [Supporting Info](#)




 [Full Text HTML](#)
 [Hi-Res PDF \[1077K\]](#)
 [PDF w/ Links \[191K\]](#)

 [Subscriber Access](#)

Identification of Multiple Impurities in a Pharmaceutical Matrix Using Preparative Gas Chromatography and Computer-Assisted Structure Elucidation

Anna Codina, Robert W. Ryan, Richard Joyce, and Don S. Richards
pp 9127-9133
Publication Date (Web): October 13, 2010 (Technical Note)
DOI: 10.1021/ac102151g

[Abstract](#)

 [Full Text HTML](#)
 [Hi-Res PDF \[1084K\]](#)
 [PDF w/ Links \[258K\]](#)

 [Subscriber Access](#)

Select All For Selected Content: