

ASMS NEWS & VIEWS

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ASMS News & Views
Edited by Gavin Reid

OBITUARY

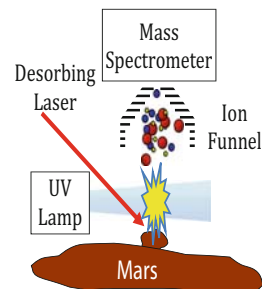
1829 – 1831

Nico Nibbering (1938–2014)

RESEARCH ARTICLES

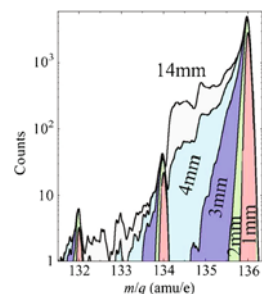
1832 – 1840

Ion Funnel Augmented Mars Atmospheric Pressure Photoionization
Mass Spectrometry for In Situ Detection of Organic Molecules
P.V. Johnson, R. Hodyss, and J.L. Beauchamp



1841 – 1852

Accurate Xe Isotope Measurement Using JPL Ion Trap
S.M. Madzunkov and D. Nikolić



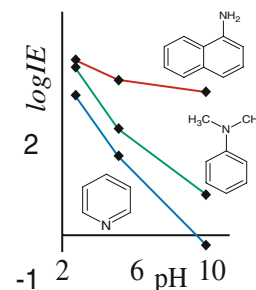
Instructions for authors for *The Journal of The American Society for Mass Spectrometry* can be found at www.springer.com/13361

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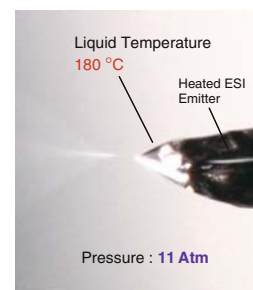
Journal of the American Society for Mass Spectrometry (ISSN 1044-0305) is published monthly by Springer Science & Business Media, 233 Spring St, 6th Fl., New York, NY. Periodicals postage is pending at New York, NY and additional mailing offices. POSTMASTER: Send address changes to *Journal of The American Society for Mass Spectrometry*, Springer, 233 Spring Street, New York, NY 10013, USA.

1853 – 1861

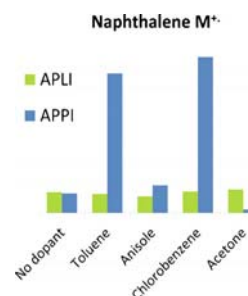
Effect of Mobile Phase on Electrospray Ionization Efficiency
J. Liigand, A. Kruve, I. Leito, M. Girod, and R. Antoine

**1862 – 1869**

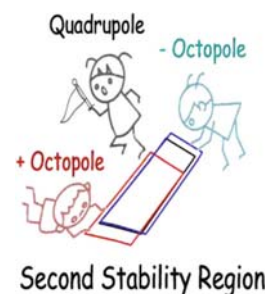
High Pressure Super-Heated Electrospray Ionization Mass Spectrometry for Sub-Critical Aqueous Solution
L.C. Chen, M.M. Rahman, and K. Hiraoka

**1870 – 1881**

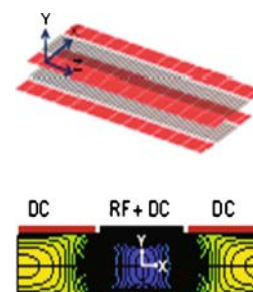
The Ionization Mechanisms in Direct and Dopant-Assisted Atmospheric Pressure Photoionization and Atmospheric Pressure Laser Ionization
T.J. Kauppila, H. Kersten, and T. Benter

**1882 – 1889**

Nonlinear Effects in Paul Traps Operated in the Second Stability Region: Analytical Analysis and Numerical Verification
C. Xiong, X. Zhou, N. Zhang, L. Zhan, S. Chen, and Z. Nie

**1890 – 1896**

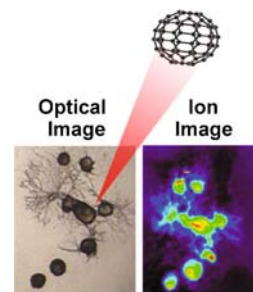
Simulation of Electric Potentials and Ion Motion in Planar Electrode Structures for Lossless Ion Manipulations (SLIM)
S.V.B. Garimella, Y.M. Ibrahim, I.K. Webb, A.V. Tolmachev, X. Zhang, S.A. Prost, G.A. Anderson, and R.D. Smith



1897 – 1907

Biomolecular Imaging with a C_{60} -SIMS/MALDI Dual Ion Source Hybrid Mass Spectrometer: Instrumentation, Matrix Enhancement, and Single Cell Analysis

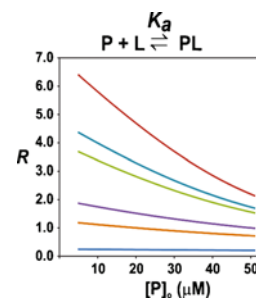
E.J. Lanni, S.J.B. Dunham, P. Nemes, S.S. Rubakhin, and J.V. Sweedler



1908 – 1916

Screening Carbohydrate Libraries for Protein Interactions Using the Direct ESI-MS Assay. Applications to Libraries of Unknown Concentration

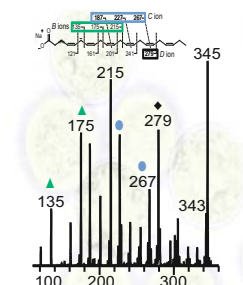
E.N. Kitova, A. El-Hawiet, and J.S. Klassen



1917 – 1926

Collision-Induced Dissociation of Fatty Acid $[M - 2H + Na]^-$ Ions: Charge-Directed Fragmentation and Assignment of Double Bond Position

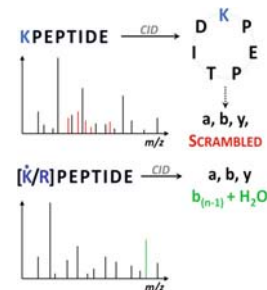
M.C. Thomas, J. Altvater, T.J. Gallagher, G.W. Nette



1927 – 1938

Peptide Scrambling During Collision-Induced Dissociation is Influenced by *N*-terminal Residue Basicity

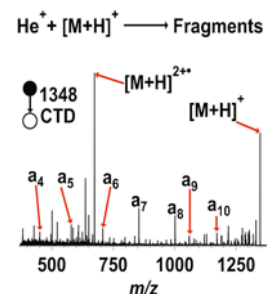
R. Chawner, S.W. Holman, S.J. Gaskell, and C.E. Eyers



1939 – 1943

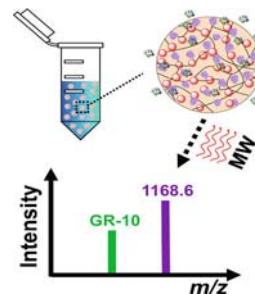
Charge Transfer Dissociation (CTD) Mass Spectrometry of Peptide Cations Using Kiloelectronvolt Helium Cations

W.D. Hoffmann and G.P. Jackson



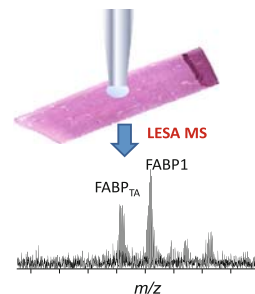
1944 – 1952

Functional Microgels Assisted Tryptic Digestion and Quantification of Cytochrome *c* Through Internal Standard Mass Spectrometry
L.-Y. Chen, W.-C. Wu, and H.-T. Chang



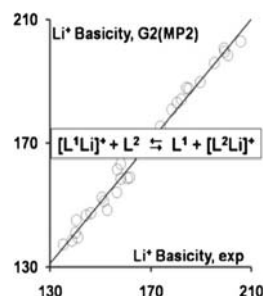
1953 – 1961

Top-Down and Bottom-Up Identification of Proteins by Liquid Extraction Surface Analysis Mass Spectrometry of Healthy and Diseased Human Liver Tissue
J. Sarsby, N.J. Martin, P.F. Lalor, J. Bunch, and H.J. Cooper



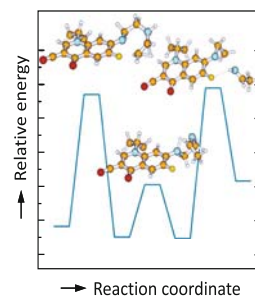
1962 – 1973

Gas-Phase Lithium Cation Basicity: Revisiting the High Basicity Range by Experiment and Theory
C. Mayeux, P. Burk, J.-F. Gal, I. Kaljurand, I. Koppel, I. Leito, and L. Sikk



1974 – 1986

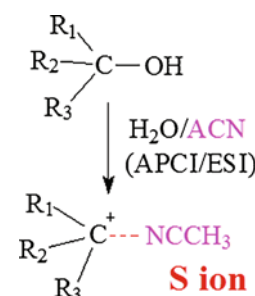
Decay Mechanisms of Protonated 4-Quinolone Antibiotics After Electrospray Ionization and Ion Activation
B. Kovačević, P. Schorr, Y. Qi, and D.A. Volmer



APPLICATION NOTES

1987 – 1990

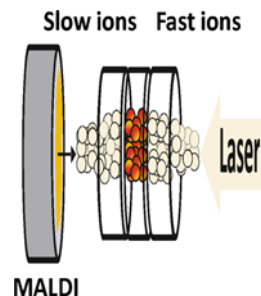
Acetonitrile Adduct Formation as a Sensitive Means for Simple Alcohol Detection by LC-MS
R. Bogseth, E. Edgcomb, C.M. Jones, E.K. Chess, and P. Hu



1991 – 1994

Initial Velocity Distribution of MALDI/LDI Ions Measured by Internal MALDI Source Fourier-Transform Ion Cyclotron Resonance Mass Spectrometry

V. Chagovets, V. Frankevich, and R. Zenobi



ERRATA

1995

Erratum to: Differential Ion Mobility Separations in up to 100% Helium Using Microchips

A.A. Shvartsburg, Y.M. Ibrahim, and R.D. Smith

1996

Erratum to: Implementation of Dipolar Resonant Excitation for Collision Induced Dissociation with Ion Mobility/Time-of-Flight MS

I.K. Webb, T.-C. Chen, W.F. Danielson III, Y.M. Ibrahim, K. Tang, G.A. Anderson, and R.D. Smith

NEWS AND VIEWS



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November 2014

Announcements

ASMS Fall Workshop

Ion Mobility Mass Spectrometry

November 6 - 7, 2014

Seattle Crowne Plaza

Seattle, Washington

Organizers

Matthew Bush, *University of Washington*

Alexandre Shvartsburg, *Pacific Northwest National Laboratory*

www.asms.org/conferences/fall-workshop

See announcement to follow for more details.



ASMS Sanibel Conference

Security and Forensic Applications of Mass Spectrometry

January 22 - 25, 2015

Hilton Clearwater Beach

Clearwater Beach, Florida

Organizers

Jose Almirall, *Florida International University*

Glen Jackson, *West Virginia University*

www.asms.org/conferences/sanibel-conference

See announcement to follow for more details.



20th International Mass Spectrometry Conference Awards

At the 20th International Mass Spectrometry Conference (IMSC 2014) held in Geneva, Switzerland from August 24-29, 2014, the Thomson Medal, named after Sir J. J. Thomson, was awarded to **Prof. Dame Carol V. Robinson** (University of Oxford) and **Prof. Renato Zenobi** (Swiss Federal Institute of Technology (ETH) Zurich) “for outstanding achievements and for distinguished services to international mass spectrometry”.

Dr. Dimitris Papanastasiou (Fasmatech Science and Technology) received the Curt Brunée award for his contributions to the development of the theoretical understanding of ion behaviors and implementation of this knowledge in new devices for ion optics and ion mobility. The Curt Brunée award is given “for outstanding contributions to the development of instrumentation for mass spectrometry by a person under the age of 45 at the time of the award”.

Prof. Yury Tsybin (Ecole Polytechnique Fédérale de Lausanne (EPFL)) received the Swiss Group for Mass Spectrometry (SGMS) Award, given “to a promising young (under the age of 40 at the time of nomination) scientist working in Switzerland or a promising Swiss scientist working abroad, for outstanding independent research in the field of mass spectrometry.”



(Left to Right): IMSC 2014 SGMS Award winner Prof. Yury Tsybin with Thomson Medal awardees Prof. Dame Carol V. Robinson and Prof. Renato Zenobi.

-Contributed by Professor Joe Loo (UCLA)

ASMS Postdoctoral Awards

Postdoctoral Research Awards in the amount of \$10,000 each, sponsored by ASMS, are presented annually. The purpose of these awards is to promote the professional career development of postdoctoral fellows in the field of mass spectrometry. The awards are open to postdoctoral fellows within three years of completing a Ph.D. or equivalent degree. Applicants must be currently appointed as a postdoctoral fellow in North America (e.g., in academia, industry, a government or national laboratory or at a research institute), and may not have previously received an award under this program. The deadline for submission of completed applications is November 30, 2014. Additional information regarding the program, including eligibility, fiscal details and the application process, may be found at: <http://www.asms.org/about/asms-awards/postdoctoral-awards>

See announcement to follow for more details.

Related Events

ASMS is pleased to offer announcements for other non-profit organizations. Please email details including website to cindi@asms.org. Visit www.asms.org for additional listings.

November 5 - 7, 2014

30th Montreux LC/MS Symposium: Food Allergens and Safety Testing (FAST)

Charleston, SC

<http://www.fast-lcms2014.org>

November 17 - 19, 2014

Eastern Analytical Symposium

Somerset, NJ

<http://www.eas.org/>

November 27 - 28, 2014

4th Symposium on Structural Proteomics

Antwerp, Belgium

<http://www.structuralproteomics.net>