

SOCIETY FOR APPLIED SPECTROSCOPY

Quarterly Literature Review - July 2026

Welcome to our quarterly newsletter highlighting key papers published in our journals, *Applied Spectroscopy* and *Applied Spectroscopy Practica*. Our first quarter newsletter focused on our amazing molecular spectroscopy topics, so this one will look at some of our amazing atomic spectrometry topics. First up, our very first paper published in *Applied Spectroscopy Practica*.

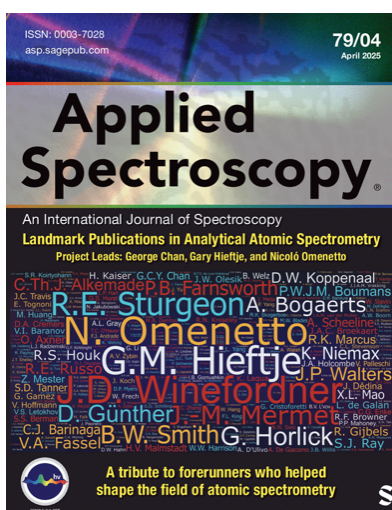


Interested in atomic spectrometry and ancient history? Check out this publication from Dr. Donais and researchers. They have got you covered! Their work established agreement in results from handheld Laser-Induced Breakdown Spectroscopy (LIBS) and handheld X-ray fluorescence (XRF) spectrometry on studies of Orvieto (Umbria), Italy and Etruscan artifacts.

[Handheld Laser-Induced Breakdown Spectroscopy for Field Archaeology: Characterization of Roman Wall Mortars and Etruscan Ceramics](#)

Authors: Mary Kate Donais, Luke Douglass, William H. Ramundt, Claudio Bizzarri, David B. George

Applied Spectroscopy Practica, 2023, Vol. 1(1) p. 4-12

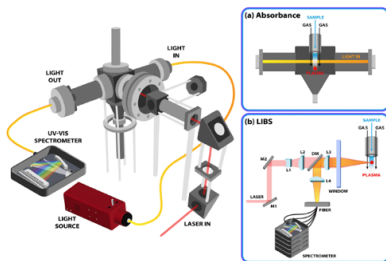


Whether atomic spectrometry is a new tool in your work, or you're a long-time expert, you'll definitely want to bookmark this entire issue of *Applied Spectroscopy* – a compilation of the most impactful publications about analytical atomic spectrometry - serving as a resource for current and future practitioners.

[Landmark Publications in Analytical Atomic Spectrometry: Fundamentals and Instrumentation Development](#)

Authors: George C.-Y. Chan, Gary M. Hieftje, Nicoló Omenetto, Ove Axner, Arne Bengtson, Nicolas H. Bings, Michael W. Blades, Annemie Bogaerts, Mikhail A. Bolshov, José A.C. Broekaert, WingTat Chan, José M. Costa-Fernández, Stanley R. Crouch, Alessandro De Giacomo, Alessandro D'Ulivo, Carsten Engelhard, Heinz Falk, Paul B. Farnsworth, Stefan Florek, Gerardo Gamez, Igor B. Gornushkin, Detlef Günther, David W. Hahn, Wei Hang, Volker Hoffmann, Norbert Jakubowski, Vassili Karanassios, David W. Koppenaal, R. Kenneth Marcus, Reinhard Noll, John W. Olesik, Vincenzo Palleschi, Ulrich Panne, Jorge Pisonero, Steven J. Ray, Martín Resano, Richard E. Russo, Alexander Scheeline, Benjamin W. Smith, Ralph E. Sturgeon, José-Luis Todolí, Elisabetta Tognoni, Frank Vanhaecke, Michael R. Webb, James D. Winefordner, Lu Yang, Jin Yu, Zhanxia Zhang

Applied Spectroscopy, 2025, Vol. 79(4) p. 481-735



Ready for more? [Renew or join SAS](#), and check out what's hot in atomic spectrometry. So, you think LIBS is just for looking at ancient artifacts or rocks on Mars? Think again. Read this publication in *Applied Spectroscopy* – real-time monitoring of impurities in molten salts.

[Design of a Molten Salt Flow Cell for Combined Absorbance and Laser-Induced Breakdown Spectroscopy for Online Measurements](#)

Authors: Hunter B. Andrews, Zechariah B. Kitzhaber, Daniel Orea, Luke R. Sadergaski, Benjamin T. Manard, Kevin Robb, and Joanna McFarlane

Applied Spectroscopy, 2026, Vol. 80(5) p. 457-468

Some of these papers are open access or free to read but the archives of *Applied Spectroscopy* has a wealth of information on the practical aspects of optical spectroscopy. Some of the most important references for both atomic and vibrational spectroscopy can be found in this journal.

Members of the Society for Applied Spectroscopy have access to ALL the papers, published in *Applied Spectroscopy* from the first issue published in 1946 to the present. [Learn more about the benefits of society membership.](#)



Share Email with a Colleague

Society for Applied Spectroscopy | 230 Washington Ave Extension Suite 101 | Albany, NY 12203 US

[Unsubscribe](#) | [Update Profile](#) | [Our Privacy Policy](#) | [Constant Contact Data Notice](#)



Try email marketing for free today!