

7. Referências bibliográficas

ALFASSI, Z.B. (Ed.). **Non-destructive elemental analysis**. 1. ed. United Kingdom: Blackwell Science Ltd., London. Jeffries, T.E. Elemental analysis by laser ablation ICP-MS. Chapter 3, 2001.

ARROYO, L. et al. **Optimization and validation of a laser ablation inductively coupled plasma mass spectrometry method for the routine analysis of soils and sediments**. In: Spectrochim. Acta Part B, 2008.

BECKER, J. S.; PICKHARDT, C.; DIETZE, H. J. **Laser ablation inductively coupled plasma mass spectrometry for determination of trace elements in geological glasses**. In: Mikrochim. Acta 135, 71-80. 2000.

BECKER, J. S.; PICKHARDT, C.; DIETZE, H. J. **Determination of trace elements in geological samples by laser ablation inductively coupled plasma mass spectrometry**. In: Fresenius J Anal Chem 365: 429–434. 1999.

BOGAERTSA, A. et al. **Laser ablation for analytical sampling: what can we learn from modeling?** In: Spectrochimica Acta Part B 58, 1867–1893. 2003.

BRÄTZ, H.; KLEMD, R. **Analysis of rare elements in geological samples by laser ablation inductively coupled plasma mass spectrometry (LA-ICPMS)**. In: Agilent Technologies, 5988-6305EN. 2002.

DURRANT, STEVEN F. **Laser ablation inductively coupled plasma mass spectrometry: achievements, problems, prospects**. In: J. Anal. At. Spectrom., 14, 1385–1403. 1999.

DURRANT, STEVEN F. **Feasibility of improvement in analytical performance in laser ablation inductively coupled plasma-mass spectrometry (LA-ICP-MS) by addition of nitrogen to the argon plasma**. In: Fresenius J Anal Chem 349:768-771. 1994.

EGGINS, S.M.; RUDNICK, R.L.; MCDONOUGH, W.F. **The composition of peridotites and their minerals: a laser-ablation ICP–MS study**. In: Earth and Planetary Science Letters 154 53–71. 1998.

GÜNTER, D. et al. **Elemental analyses using laser ablation-inductively coupled plasma-mass spectrometry (LA-ICP-MS) of geological samples fused with $\text{Li}_2\text{B}_4\text{O}_7$ and calibrated without matrix-matched standards**. In: Mikrochim. Acta 136, 101-107, 2001.

GÜNTHER, D.; HATTENDORF, B. **Solid sample analysis using laser ablation inductively coupled plasma mass spectrometry.** In: Trends in Analytical Chemistry, 24 (3), 2005.

GÜNTHER, D.; HEINRICH, C. A. **Enhanced sensitivity in laser ablation-ICP mass spectrometry using helium–argon mixtures as aerosol carrier.** In: J. Anal. At. Spectrom., 14, 1363–1368, 1999.

HOFFMANN, E. et al. **New methodical and instrumental developments in laser ablation inductively coupled plasma mass spectrometry.** In: Spectrochimica Acta Part B 57 1535–1545, 2002.

HOLLOWAY, M.I.; BUSSY, F. **Trace element distribution among rock-forming minerals from metamorphosed to partially molten basic igneous rocks in a contact aureole (Fuerteventura, Canaries).** In: Lithos 102, 616–639, 2008.

HORN, I.; GÜNTHER, D. **The influence of ablation carrier gasses Ar, He and Ne on the particle size distribution and transport efficiencies of laser ablation-induced aerosols: implications for LA–ICP–MS.** In: Applied Surface Science 207 144–157, 2003.

INMETRO, Instituto Nacional de Metrologia, Normalização e Qualidade Industrial. **Orientação sobre validação de métodos de ensaios químicos.** Revisão 2, 2007.

JENNER, F. E. et al. **Evidence for subduction at 3.8 Ga: Geochemistry of arc-like metabasalts from the southern edge of the Isua Supracrustal Belt.** In: Chemical Geology, 2008.

KAZUMI ITO et al. **LA-ICP-MS analysis of pressed powder pellets to luminescence geochronology.** In: Chemical Geology, accepted manuscript, 2009.

KOCH, J. et al. **Expansion phenomena of aerosols generated by laser ablation under helium and argon atmosphere.** In: Spectrochimica Acta Part B 63, 37 – 41, 2008.

KOCH, J. et al. **Visualization of aerosol particles generated by near infrared nano- and femtosecond laser ablation.** In: Spectrochimica Acta Part B 62, 20 – 29, 2007.

LEITE, T. D. F. **Determinação de elementos principais, menores e traços em rochas via LA-ICPMS após preparação de alvos por fusão em boratos de lítio.** In: Departamento de Química, Pontifícia Universidade Católica do Rio de Janeiro. Tese de Doutorado. Rio de Janeiro, 2006.

MAX PLANCK INSTITUTE. **GeoReM: Geological Reference Materials**, disponível em: <http://georem.mpch-mainz.gwdg.de/>. Acesso em junho de 2009.

MALDONADO, E. P. **Fundamentos de Física de Lasers: Lasers de Neodímio, 2002**, disponível em <http://puig.pro.br/Laser/FundFisLas.pdf>. Acesso em dezembro de 2009.

MILLER, J. C.; MILLER, J. N. **Statistics for analytical chemistry.** 3rd edition. ed. Ellis Horwood, 1993.

MOCHISUKI, T. et al. **Laser ablation for direct elemental analysis of solid samples by inductively coupled plasma mass spectrometry.** In: Analytical Sciences Vol. 4. 1988.

NEHRING, F. et al. **Laser-ablation ICP-MS analysis of siliceous rock glasses fused on an iridium strip heater using MgO dilution.** In: Microchim Acta 160: 153–163. 2008.

PEREIRA, C. E. B. et al. **Determination of minor and trace elements in obsidian rock samples and archaeological artifacts by laser ablation inductively coupled plasma mass spectrometry using synthetic obsidian standards.** In: Spectrochimica Acta Part B 56 1927-1940. 2001.

PETRELLI, M. et al. **Graphite electrode lithium tetraborate fusion for trace element determination in bulk geological samples by laser ablation ICP-MS.** In: Microchim Acta 158, 275–282. 2007.

RUSSO, R. E. et al. **Laser ablation in analytical chemistry—a review.** In: Talanta 57 425–451. 2002.

RUSSO, R. E. et al. **Femtosecond laser ablation ICP-MS.** In: J. Anal. At. Spectrom., 17 (9), 1072-1075, 2002.

SCHNARE, D. W. et al. **A laser-ablation ICP-MS study of Apollo 15 low-titanium olivine-normative and quartz-normative mare basalts.** In: Geochimica et Cosmochimica Acta 72, 2556-2572. 2008.

WAYNE, DAVID M. et al. **Direct major- and trace-element analyses of rock varnish by high resolution laser ablation inductively-coupled plasma mass spectrometry (LA-ICPMS).** In: Applied Geochemistry 21 1410–1431. 2006.

YONGSHENG LIU et al. **In situ analysis of major and trace elements of anhydrous minerals by LA-ICP-MS without applying an internal standard.** In: Chemical Geology 257, 34–43. 2008.