

List of Selected Papers

I. Bertóti, M. Mohai, M. Révész, G. Alexander:
Surface Composition of Glasses: Modifications Induced by Chemical and Heat Treatments
Vacuum 37(1-2) (1987) 129-131.

M. Mohai, I. Bertóti, M. Révész:
XPS Study of the State of Oxygen on a Chemically Treated Glass Surface
Surf. Interface Anal. 15 (1990) 364-368.

I. Bertóti, R. Kelly, M. Mohai, A. Tóth:
A Possible Solution to the Problem of Compositional Change with Ion-bombarded Oxides
Surf. Interface Anal. 19 (1992) 291-297.

I. Bertóti, R. Kelly, M. Mohai, A. Tóth:
Response of Oxides to Ion Bombardment: The Difference between Chemically Inert and
Reactive Ions
Nucl. Instrum. Methods B 80/81 (1993) 1219-1225.

I. Bertóti, M. Mohai, J. L. Sullivan, S. O. Saied:
Surface Chemical Changes in PVD TiN Layers Induced by Ion Bombardment.
Surf. Interface Anal. 21 (1994) 467-473.

M. Mohai, I. Bertóti:
Correction for Surface Contaminations in XPS: A Practical Approach
ECASIA 95 (Eds. H. J. Mathieu, B. Reihl, D. Briggs), John Willey & Sons, Chichester-New
York-Brisbane-Toronto-Singapore (1995), pp. 675-678.

I. Bertóti, A. Tóth, M. Mohai, R. Kelly, G. Marletta:
He⁺ and Ar⁺ Bombardment Induced Chemical Changes in Cr-O-Si Layers
Nucl. Instrum. Methods B 116 (1996) 200-206.

I. Bertóti, M. Mohai, A. Tóth, B. Zelei:
Effect of Ar⁺, N₂⁺, He⁺ and H₂⁺ Bombardment on the Composition and Structure of CN_x
Layers
Nucl. Instrum. Methods B 148 (1999) 645-649.

I. Bertóti, M. Mohai, N. M. Renevier, E. Szilágyi:
XPS Investigation of Ion Beam Treated MoS₂-Ti Composite Coatings
Surf. Coat. Technol. 125 (2000) 173-178.

J. P. Espinós, A. R. González-Elípe, M. Mohai, I. Bertóti:
Surface Chemical Effects of Low Energy N₂⁺ Ion Bombardment on Single Crystalline α -
Al₂O₃
Surf. Interface Anal. 30, (2000) 90-94.

M. Tóth, I. Bertóti, M. Mohai, I. Fórizs, I. Vozil:
Material Analysis of the Bronze Statuette of Imhotep.
Bulletin du Musée Hongrois des Beaux-Arts 95, 35-44 (2001).

I. Bertóti, M. Mohai, P. H. Mayrhofer, C. Mitterer:
Surface chemical changes induced by low energy ion bombardment in chromium nitride layers.
Surf. Interface Anal. 34, 740-743 (2002).

M. Mohai, É. Kiss, A. Tóth, J. Szalma, I. Bertóti:
Preparation and characterisation of Langmuir-Blodgett type arachidate films.
Surf. Interface Anal. 34, 772-776 (2002).

M. Mohai:
XPS MultiQuant: Multimodel XPS Quantification Software.
Surf. Interface Anal. 36, 828-832 (2004).

M. Mohai, I. Bertóti:
Calculation of Layer Thickness on Curved Surfaces by XPS MultiQuant.
Surf. Interface Anal. 36, 805-808 (2004).

A. Tóth, M. Mohai, T. Ujvári, I. Bertóti:
Chemical structure of silicon-, oxygen- and nitrogen-containing a-C:H films prepared by RF plasma beam CVD.
Thin Solid Films 482, 183-187 (2005).

M. Mohai:
XPS MultiQuant: a step towards Expert Systems.
Surf. Interface Anal. 38, 640-643 (2006).