



Publications of Miklós Mohai

1. A. Tóth, I. Bertóti, T. Székely, M. Mohai:
XPS Study of Ion-Induced Changes on the Surface of an Organosilicon Model Polymer
Surf. Interface Anal. **7**(6), 282-288 (1985).
2. I. Bertóti, G. Mink, A. Tóth, M. Révész, M. Mohai, T. Székely:
XPS Investigations on Solid Surfaces: Results Obtained by a Recently Installed
Commercial Instrument
Periodica Polytechnica **30**(3-4), 213-222 (1986).
3. Csordás Tóth A., Bertóti I., Mohai M.:
Különböző alumínium-hidroxid minták szennyezőinek vizsgálata felületfizikai
módszerekkel
Szemelvények az alumíniumipari anyagvizsgálat köréből (Szerk. Major G.) ALUTERV-
FKI, Budapest, (1986) pp. 61-79.
4. Mohai M., Bertóti I., Alexander G.:
Módosított üvegfelületek ESCA vizsgálata
*XXIX. Magyar Szinképelemző Vándorgyűlés és II. Magyar Molekulaspektroszkópai
Konferencia előadásai*, Gépipari Tudományos Egyesület (1986), Keszthely, pp. 491.
5. Mink Gy., Bertóti I., Mohai M., Révész M., Roder Zs., Varsányi Gy.:
Tömbi anyagok reaktivitásának jellemzése röntgengerjesztéses
fotoelektron-spektroszkópai (XPS) vizsgálat alapján
*XXIX. Magyar Szinképelemző Vándorgyűlés és II. Magyar Molekulaspektroszkópai
Konferencia előadásai*, Gépipari Tudományos Egyesület (1986), Keszthely, pp. 501.
6. Bertóti I., Mink Gy., Mohai M., Révész M., Réti F., Varsányi Gy.:
Fotoelektron-spektroszkópai (ESCA) vizsgálatok oxidok (Al_2O_3 , TiO_2) felületén
*XXIX. Magyar Szinképelemző Vándorgyűlés és II. Magyar Molekulaspektroszkópai
Konferencia előadásai*, Gépipari Tudományos Egyesület (1986), Keszthely, pp. 514.
7. I. Bertóti, M. Mohai, M. Révész, G. Alexander:
Surface Composition of Glasses: Modifications Induced by Chemical and Heat
Treatments
Vacuum **37**(1-2), 129-131 (1987).
8. G. Mink, I. Bertóti, I. S. Pap, M. Mohai, T. Székely:
On the Role Potassium Additives in Chlorination of TiO_2 by CCl_4 and COCl_2
Vacuum **37**(1-2), 133-135 (1987).

9. G. Varsányi, G. Mink, K. Réé, M. Mohai:
Consideration of Twodimensional Surface Roughnesses in Quantitative XPS Analysis
Periodica Polytechnica **31**(1-2), 3-17 (1987).
10. G. Mink, I. Bertóti, I. S. Pap, M. Mohai, T. Székely, Tran Minh Duc, E. Karmazsin:
Effect of Potassium Additives on the Reactivity of Titania
Reactivity of Solids **4**, 251-267 (1987).
11. A. Csanády, I. Bertóti, M. Mohai, I. Percel, B. Albert:
Surface Characterization of Rapidly Solidified Al-Mn and Al-Fe Alloys
Surf. Interface Anal. **12**, 229-230 (1988).
12. G. Mink, I. Bertóti, L. Németh, G. Gáti, M. Mohai, T. Székely:
Surface Characterization of the Deactivation of Alumina Catalysts Used for COS
Synthesis
Surf. Interface Anal. **12**, 262-268 (1988).
13. J. Szépvölgyi, I. Bertóti, I. Varga, M. Mohai, T. Székely, I. Párkányi:
Studies on the Flotation of a Non-Ferrous Slag
Minerals Engineering **1**(2), 127-136 (1988).
14. Mohai M.:
Felületvizsgálat – röntgensugárral
Élet és Tudomány **43**, 1347-1349 (1988).
15. Szépvölgyi J., Bertóti I., Varga I., Mohai M., Székely T., Párkányi I., Csillag I., Farkas A., Fodor Gy.:
Színesfémtartalmú salak flotációs dúsításának vizsgálata
BKL-Kohászat **122**(2), 83-92 (1989).
16. Bertóti I., Varsányi Gy., Mink Gy., Mohai M., Révész M., Tóth A., Székely T.:
Az XPS (ESCA) módszer elve és gyakorlati alkalmazásai
Vákuum évkönyv 1988 (Szerk. Mojzes I.), MTA MFKI, Budapest, 1989, HU ISSN 0238-8596, pp. 14-51.
17. A. Csanády, I. Bertóti, M. Mohai, I. Percel, B. Albert:
Surface Characterization of Rapidly Solidified Al Alloys
Periodica Polytechnica **34**(1-3), 57-62 (1990).
18. M. Mohai, I. Bertóti, M. Révész:
XPS Study of the State of Oxygen on a Chemically Treated Glass Surface
Surf. Interface Anal. **15**, 364-368 (1990).
19. A. Csanády, I. Bertóti, M. Mohai, S. Percel, B. Albert:
Surface Characterization of Rapidly Solidified Aluminium Alloys Containing Iron
Key Engineering Materials **44&45**, 155-162 (1990).
20. Bertóti I., Mohai M., Révész M.:
Az XPS elve és alkalmazása üvegfelületek vizsgálatára
Építőanyag **43**, 3-9 (1991).

21. Bertóti I., Mohai M., Szépvölgyi J., Tóth A.:
A szilícium-nitrid porok felületkémiái minősítése XPS (ESCA) módszerrel
Építőanyag **43**, 42-47 (1991).
22. I. Bertóti, R. Kelly, M. Mohai, A. Tóth:
A Possible Solution to the Problem of Compositional Change with Ion-Bombarded Oxides
IBM Research Report RC 17609 (#77505) 1/13/92, Materials Science, IBM Research Division, Almaden, T. J. Watson, Tokyo, Zürich, pp. 1-17.
23. I. Bertóti, M. Mohai, A. Csanády, P. B. Barna, H. Berek:
XPS Studies on Intermetallic Phases Formed in Al-Ni and Al-Mn Thin Films
Surf. Interface Anal. **19**, 457-463 (1992).
24. 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**, 291-297 (1992).
25. F. Pavlyák, I. Bertóti, M. Mohai, I. Biczó, J. Giber:
AES and XPS Characterization of SiN_x Layers
Surf. Interface Anal. **20**, 221-227 (1993).
26. 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**, 1219-1225 (1993).
27. I. Bertóti, A. Tóth, M. Mohai, M. Révész:
Chemical State Determination by Combined X-ray Excited Auger and Photoelectron Spectroscopies
Acta Chimica Hungarica - MODELS IN CHEMISTRY, **130**, 837-855 (1993).
28. I. S. Pap, G. Mink, M. Mohai, A. Auroux:
Effect of Alkali Additives on the Kinetics of WO₃+CCl₄ Reaction
J. Thermal Anal. **39**, 75-86 (1993).
29. I. Bertóti, A. Tóth, M. Mohai, R. Kelly, G. Marletta:
Effect of Ion Bombardment on Cr-Si-O Layers: An X-ray Photoelectron Spectroscopic Study
Thin Solid Films **241**, 211-217 (1994).
30. 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**, 467-473 (1994).

31. I. Bertóti, A. Tóth, M. Mohai, R. Kelly, G. Marletta:
Effect of Ion Bombardment on Cr-Si-O Layers: An XPS Study
E-MRS Symposia Proceedings, vol. 41, *Stimulated Deposition Processes and Materials Aspects of Ion Beam Synthesis* (Eds. H. Freller, J. M. Martinez-Duart, Y. Pauleau, J. Dieleman, P. L. F. Hemment, J. A. Kilner), Elsevier, North-Holland, Amsterdam (1994), pp. 211-217.
32. I. Bertóti, M. Mohai, J. L. Sullivan, S. O. Saied:
Surface Characterization of Plasma Nitrided Titanium: an XPS Study
Appl. Surf. Sci. **84**, 357-372 (1995).
33. I. Bertóti, A. Tóth, M. Mohai:
Sputter-deposited Cr-Si-O Cermet Films by XPS
Surf. Sci. Spectra **3**, 105-111 (1995).
34. 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), ISBN 0 471 95899 9, pp. 675-678.
35. A. Csordás-Pintér, Á. Csanády, L. Varga, I. Bertóti, M. Mohai, L. Tóth, J. Takács:
Microanalytical and XPS Studies of Al-Ni Composite Powders and Plasma Sprayed Coatings
ECASIA 95 (Eds. H. J. Mathieu, B. Reihl, D. Briggs), John Willey & Sons, Chichester-New York-Brisbane-Toronto-Singapore (1995), ISBN 0 471 95899 9, pp. 552-555.
36. 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**, 200-206 (1996).
37. A. Tóth, I. Bertóti, G. Marletta, G. G. Ferenczy, M. Mohai:
Ion Beam Induced Chemical Effects in Organosilicon Polymers
Nucl. Instrum. Methods B **116**, 299-304 (1996).
38. Bertóti, A. Tóth, M. Mohai, R. Kelly, G. Marletta, M. Farkas-Jahnke:
Nanoscale In-Depth Modification of Cr-O-Si Layers
Nucl. Instrum. Methods B **122**, 510-513 (1997).
39. Bertóti, A. Tóth, M. Mohai, R. Kelly, G. Marletta, M. Farkas-Jahnke:
Nanoscale In-Depth Modification of Cr-O-Si Layers
E-MRS Symposia Proceedings, vol. 65, *New Trends in Ion Beam Processing of Materials and Beam Induced Nanometric Phenomena* (Eds. F. Priolo, J. K. N. Lindner, A. Nylandsted Larsen, J. M. Poate, E. E. B. Campbell, R. Kelly, G. Marletta, M. Toulemonde), Elsevier, Amsterdam-Lausanne-New York-Oxford-Shannon-Tokyo (1997), ISBN 0-444-20501-2, pp. 510-513

40. F. H. Kármán, E. Kálmán, I. Csernyi, M. Mohai, I. Bertóti:
Influence of Bivalent Cations and Phosphonic Acid on the Chemical Structure of Oxide Films on Mild Steel — An XPS Study
ECASIA 97 (Eds. I. Olefjord, L. Nyborg, D. Briggs), John Willey & Sons, Chichester-New York-Brisbane-Weinheim-Singapore-Toronto (1997), ISBN 0 471 97827 2, pp. 405-408.
41. I. Bertóti, M. Mohai, A. Tóth:
Nanoscale In-Depth Modification of Metal Oxides and Nitrides by Low Energy Ion Beams — Chemical Aspects
NANOTECHNOLOGY: a dedicated tool for the future, (Eds. I. Mojzes and B. Kovács), MIL-ORG Ltd. & NETI, Budapest (1997), ISBN 963-85316 5 7, pp. 107-134.
42. A. Tóth, I. Bertóti, M. Mohai:
Nanoscale In-Depth Modification of Organosilicon Polymers by Particle Beams
NANOTECHNOLOGY: a dedicated tool for the future, (Eds. I. Mojzes and B. Kovács), MIL-ORG Ltd. & NETI, Budapest (1997), ISBN 963-85316 5 7, pp. 135-152.
43. Mohai I., Szépvölgyi J., Bertóti I., Mohai M., Tóth M.:
A szilícium-nitrid gázfázisú szintézisének optimalása termikus plazmában
Építőanyag **50**, 98-104 (1998).
44. I. Bertóti, M. Mohai, A. Tóth, B. Zelei:
Effect of Ar^+ , N_2^+ , He^+ and H_2^+ Bombardment on the Composition and Structure of CN_x Layers
Nucl. Instrum. Methods B **148**, 645-649 (1999).
45. A. Tóth, T. Bell, I. Bertóti, M. Mohai and B. Zelei:
Surface Modification of Polyethylene by Low keV Ion Beams
Nucl. Instrum. Methods B **148**, 1131-1135 (1999).
46. I. Felhősi, Zs. Keresztes, F. H. Kármán, M. Mohai, I. Bertóti, E. Kálmán:
Effect of Bivalent Cations on Corrosion Inhibition by 1-Hydroxy-Ethane-1,1-Diphosphonic Acid
J. Electrochem. Soc. **146**, 961-969 (1999).
47. M. Mohai:
XPS MultiQuant for Windows User's Manual
Budapest (1999).
48. L. Nemes, M. Mohai, Z. Donkó and I. Bertóti:
Detection of CN Radicals in DC Nitrogen Plasma Used for Deposition of CN_x Layers
Spectrochimica Acta A **56**, 761-767 (2000).
49. I. Bertóti, M. Mohai, N. M. Renevier, E. Szilágyi:
XPS Investigation of Ion Beam Treated MoS_2 -Ti Composite Coatings
Surf. Coat. Technol. **125**, 173-178 (2000).

50. I. Bertóti, G. Radnóczy, M. Mohai, A. Tóth, T. Ujvári:
Bonding Structure and Morphology of CN_x Layers Grown by DC Plasma and RF Magnetron Sputtering
Proc. IV. Multinational Congress on Electron Microscopy (Ed. K. Kovács), University of Veszprém (1999), pp. 289-290.
51. C. Blawert, B. L. Mordike, M. Mohai, I. Bertóti, A. Juhász:
Investigation of Nitrided and Carburized Layers Produced by Plasma Immersion Ion Implantation of Aluminium at Elevated Temperatures
Proc. 7th Internatl. Seminar of IFHT: Heat Treatment and Surface Engineering of Light Alloys (Eds. J. Lendvai, T. Réti), Hung. Soc. Mechanical Eng. (1999), Budapest, pp. 51-60.
52. I. Bertóti, A. Tóth, M. Mohai, T. Ujvári:
Comparison of Composition and Bonding States of Constituents in CN_x Layers Prepared by DC Plasma and Magnetron Sputtering
Surf. Interface Anal. **30**, 538-543 (2000).
53. J. P. Espinós, A. R. González-Elipe, M. Mohai, I. Bertóti:
Surface Chemical Effects of Low Energy N₂⁺ Ion Bombardment on Single Crystalline α-Al₂O₃
Surf. Interface Anal. **30**, 90-94 (2000).
54. I. Mohai, J. Szépvölgyi, Z. Károly, M. Mohai, M. Tóth, I. Z. Babievskaya, V. A. Krenev:
Reduction of Metallurgical Wastes in an RF Thermal Plasma Reactor.
Plasma Chem. Plasma Proc. **21**, 547-563 (2001).
55. T. Ujvári, A. Tóth, M. Mohai, J. Szépvölgyi, I. Bertóti:
Composition and Chemical Structure Characteristics of CN_x Layers Prepared by Different Plasma Assisted Techniques.
Solid State Ionics **141-142**, 63-69 (2001).
56. I. Mohai, J. Szépvölgyi, I. Bertóti, M. Mohai, J. Gubicza, T. Ungár:
Thermal Plasma Synthesis of Zinc Ferrit Nanopowders.
Solid State Ionics **141-142**, 163-168 (2001).
57. F. H. Kármán, I. Felhősi, Zs. Keresztes, M. Mohai, Gy. Vankó, A. Vértes, I. Bertóti, I. E. Sajó, E. Kálmán:
Effect of Pretreatment of Low Alloy Steel on Oxide Formation and the Interaction with Organic Molecules, in: *Passivity of Metals and Semiconductors. Proceedings of the Eighth International Symposium*, (Eds. M. B. Ives, J. L. Luo, J. R. Rodda.), The Electrochemical Society, Inc., Pennington, 2001, pp. 92-97.
58. J. Telegdi, M. M. Shaglouf, A. Shaban, F. H. Kármán, I. Bertóti, M. Mohai, E. Kálmán:
Influence of cations on the corrosion inhibition efficiency of aminophosphonic acid.
Electrochim. Acta **46**, 3791-3199 (2001).
59. Á. Molnár, M. Varga, G. Mulas, M. Mohai, I. Bertóti, A. Lovas, G. Cocco:
Cu-Mg Powders and Ribbons; Characterization and Catalytic Tests Reactions.
Mater. Sci. Eng. A **304-306**, 1078-1082 (2001).

60. G. Mulas, M. Varga, I. Bertóti, M. Mohai, Á. Molnár, G. Cocco:
Characterization of Pd-Mg catalyst precursors prepared by ball milling and comparison with Cu-Mg.
Mater. Sci. Forum **377**, 57-62 (2001).
61. 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).
Tóth M., Bertóti I., Mohai M., Fórizs I., Vozil I.:
Imhotep bronzszobrának anyagvizsgálata.
Bulletin du Musée Hongrois des Beaux-Arts, **95**, 169-176 (2001).
62. T. Ujvári, A. Kolitsch, A. Tóth, M. Mohai, I. Bertóti:
XPS characterisation of the composition and bonding states of elements in CN_x layers prepared by ion beam assisted deposition.
Diamond Relat. Mater. **11**, 1149-1152 (2002).
63. T. Ujvári, B. Szikora, M. Mohai, A. Tóth, G. Keresztury, I. Bertóti:
Effect of plasma-parameters on the structure of CN_x layers deposited by DC magnetron sputtering.
Diamond Relat. Mater. **11**, 1200-1204 (2002).
64. M. Varga, Á. Molnár, G. Mulas, M. Mohai, I. Bertóti, G. Cocco:
Cu-MgO samples prepared by mechanochemistry for catalytic application.
J. Catal. **206**, 71-81 (2002).
65. M. Varga, Á. Molnár, M. Mohai, I. Bertóti, M. Janik-Czachor, A. Szummer:
Selective hydrogenation of pentyne over PdZr and PdCuZr prepared from amorphous precursors.
Appl. Catal. A **234**, 167-178 (2002).
66. M. Mohai, A. Tóth, P. R. Hornsby, P. A. Cusack, M. Cross, G. Marosi:
XPS analysis of zinc hydroxystannate-coated hydrated fillers.
Surf. Interface Anal. **34**, 735-739 (2002).
67. 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).
68. 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).
69. Gy. Marosi, P. Anna, A. Márton, Gy. Bertalan, A. Bóta, A. Tóth, M. Mohai, I. Rácz:
Flame-retarded polyolefin systems of controlled interphase.
Polym. Advanced Technol. **13**, 1103-1111 (2002).
70. K. Kutasi, Z. Donkó, M. Mohai, L. Nemes, G. Marosi:
Formation of CN_x layers in a nitrogen glow discharge with graphite electrodes.
Vacuum **68**, 311-319 (2003).

71. Mohai M.:
Szekunderion-tömegspektrometria (SIMS).
Műszaki felülettudomány és orvosbiológiai alkalmazásai (Szerk. Bertóti I., Marosi Gy.,
Tóth A.)
B+V Lap- és Könyvkiadó Kft., Budapest, 2003, pp. 144-152.
72. M. Mohai, A. Tóth, I. Sajó, T. Ujvári, I. Bertóti:
Plasma Surface Modification of Ti and TiAlV Alloy.
Surf. Interface Anal. **36**, 1155-1158 (2004).
73. M. Mohai:
XPS MultiQuant: Multimodel XPS Quantification Software.
Surf. Interface Anal. **36**, 828-832 (2004).
74. M. Mohai, I. Bertóti:
Calculation of Overlayer Thickness on Curved Surfaces Based on XPS Intensities.
Surf. Interface Anal. **36**, 805-808 (2004).
75. A. Tóth, M. Mohai, T. Ujvári, T. Bell, H. Dong, I. Bertóti:
Surface Chemical and Nanomechanical Aspects of Air PIII-Treated Ti and Ti-Alloy.
Surf. Coat. Technol. **186**, 248-254 (2004).
76. É. Kiss, J. Szalma, Z. Keresztes, E. Kálmán, M. Mohai, I. Bertóti:
Adhesion stability of cadmium arachidate Langmuir-Blodgett layers
Prog. Colloid and Polym. Sci. **125**, 127-133 (2004).
77. 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).
78. A. Tóth, M. Mohai, T. Ujvári, I. Bertóti:
Nanomechanical properties of silicon-, oxygen- and nitrogen-containing a-C:H films
prepared by RF plasma beam CVD.
Thin Solid Films **482**, 188-191 (2005).
79. M. Veres, M. Füle, S. Tóth, I. Pócsik, M. Koós, A. Tóth, M. Mohai, I. Bertóti:
Raman scattering of ultra-high molecular weight polyethylene treated by plasma-based ion
implantation.
Thin Solid Films **482**, 211-215 (2005).
80. A. Tóth, M. Mohai, T. Ujvári, I. Bertóti:
Surface and nanomechanical properties of Si:C:H films prepared by RF plasma beam CVD.
Diamond Relat. Mater. **14**, 954-958 (2005).
81. M. Veres, M. Koós, S. Tóth, M. Füle, I. Pócsik, A. Tóth, M. Mohai, I. Bertóti:
Characterisation of a-C:H and oxygen-containing Si:C:H films by Raman spectroscopy and
XPS.
Diamond Relat. Mater. **14**, 1051-1056 (2005).

82. Á. Molnár, M. Varga, G. Mulas, I. Bertóti, M. Mohai:
The use of MMg(O) (M = Cu, Pd, or Ni) catalysts prepared by mechanochemistry in the synthesis of methyl isobutyl ketone
Progress in Catalysis Research (Ed. L. P. Bevy)
Nova Science Publishers, New York, 2005, Chapter 8, pp. 177-198.
83. B. Rác, Á. Molnár, P. Forgó, M. Mohai, I. Bertóti:
A comparative study of solid sulfonic acid catalysts based on various ordered mesoporous silica materials
J. Mol. Catal. A: Chem. **244**, 46-57 (2006).
84. M. Mohai:
XPS MultiQuant: a step towards Expert Systems
Surf. Interface Anal. **38**, 640-643 (2006).
85. T. Ujvári, A. Tóth, M. Mohai, I. Bertóti:
Nanomechanical property analysis of fast atom beam (FAB) treated ultra-high molecular weight polyethylene
Surf. Interface Anal. **38**, 894-897 (2006).
86. A. Tóth, M. Mohai, T. Ujvári, I. Bertóti:
Hydrogen plasma immersion ion implantation of ultra-high molecular weight polyethylene
Surf. Interface Anal. **38**, 898-902 (2006).
87. A. Tóth, M. Mohai, T. Ujvári, I. Bertóti:
Composition, structure and nanomechanical properties of C-Si-N thin films deposited by ion implantation assisted plasma beam CVD.
Surface and Coatings Technology **200**, 6420-6424 (2006).
88. A. Tóth, M. Mohai, T. Ujvári, I. Bertóti:
Advanced surface modification of ultra-high molecular weight poly(ethylene) by helium plasma immersion ion implantation.
Polym. Adv. Technol. **17**, 898-901 (2006).
89. A. Tóth, I. Bertóti, M. Mohai, T. Ujvári:
Surface modification of polyethylene by nitrogen PIII: surface chemical and nanomechanical properties.
Mater. Sci. Forum **537-538**, 255-261 (2007).
90. I. Bertóti, M. Mohai, A. Tóth, T. Ujvári:
Nitrogen-PBII modification of ultra-high molecular weight polyethylene: Composition, structure and nanomechanical properties.
Surf. Coat. Technol. **201**, 6839-6842 (2007).