

Curriculum vitae

Personal data

Name: Peter Baumli, PhD

Office: University of Miskolc (UM), Institute of Physical Metallurgy, Metalforming and Nanotechnology, H-3515 Miskolc - Egyetemváros, Hungary.

Employments

Associate professor (University of Miskolc, Institute of Physical Metallurgy, Metalforming and Nanotechnology)

Scientific degree

PhD

Scientific activities

Main researchfields are: nanomaterials synthesis, preparation of metallic, oxide nanoparticles, preparation of the composite materials and Ni-coatings

The most relevant publications:

A. Al-Azzawi, J. Sytchev, P. Baumli: Increasing the Surface Hardness of Cast Iron by Electrodeposition of Borides in Molten Salts, Arch. Metall. Mater. 62 (2017), 2B, 1015-1018

M. Czagány, P. Baumli EFFECT OF pH ON THE CHARACTERISTICS OF ELECTROLESS Ni-P COATINGS, J. Min. Metall. Sect. B-Metall., DOI:10.2298/JMMB170530020C IF=0,8

M.Czagány, P.Baumli, G.Kaptay. The influence of the phosphorous content and heat treatment on the nano-microstructure, thickness and micro-hardness of electroless Ni-P coatings on steel. Appl Surf Sci, 2017, vol. 423, pp. 160-169. doi: 10.1016/j.apsusc.2017.06.168. (2016-IF = 3.387).

A. Lekatou, A.E. Karantzalis, A. Evangelou, V. Gousia, G. Kaptay, Z. Gacsi, P. Baumli, A. Simon: Aluminium reinforced by WC and TiC nanoparticles (ex-situ) and aluminide particles (in-situ): Microstructure, wear and corrosion behaviour; Materials and Design 65 (2015) 1121–1135

K. L. Juhasz, P. Baumli, G. Kaptay: Fabrication of carbon fibre reinforced, aluminium matrix composite by potassium iodide (KI) – potassium hexafluorotitanate (K₂TiF₆) flux, Mater.-wiss. Werkstofftech. 2012, vol. 43, No. 4, pp.310-314. (2011-IF = 0.543)