

Contents

MATERIALS

- Microstructure and tribological properties of mottled cast iron with different chemical composition 5
J. Krawczyk (Poland)
- Plasticity and corrosion resistance of magnesium alloy WE43 16
W. Walke, E. Hadasik, J. Przondziono, D. Kuc, I. Bednarczyk, G. Niewielski (Poland)

PROPERTIES

- The effect of saturation by artificial saliva on the effectiveness of denture adhesives 25
J. Kasperski, G. Chladek, J. Żmudzki, T. Lipski (Poland)
- Effect of fluorides on bioactivity of titania nanotubes in SBF solution – by EIS studies 33
E. Krasicka-Cydzik, K. Białas-Heltowski, I. Głazowska, T. Klekiel, A. Kaczmarek (Poland)
- Structure and adhesion of thin coatings deposited by PVD technology on the X6CrNiMoTi17-12-2
and X40CrMoV5-1 steel substrates 40
K. Lukaszkwicz (Poland), A. Kriz, J. Sondor (Czech Republic)

METHODOLOGY OF RESEARCH, ANALYSIS AND MODELLING

- Fretting wear damage-I: numerical study of composite steel sheets reinforced with TiB₂ 48
F. Ayari (Tunisia, France), E. Bayraktar (France)
- FEM analysis of the options of using composite materials in flexsplines 55
P. Folęga (Poland)
- Author index 61
- Keywords index 62
- Publisher's notice 63
- Editor's notice 64