

CONTENTS

Page

Research papers

<i>B. N. Duong, L. D. Bui</i>	
Synthesis of Cu_{1.6}Bi_{4.6}S₈ compound for thermoelectric application	86
<i>D. Bubliková, H. Jirková, K. Rubešová, M. Peković, J. Volkmannová, M. Graf</i>	
Effects of cooling rate on the volume fraction of retained austenite	
in forgings from high-strength Mn-Si steels	93
<i>H. Jirková, K. Opatová, Š. Jeníček, J. Vrtáček, L. Kučerová, P. Kurka</i>	
Use of multi-phase trip steel for press-hardening technology	101
<i>N. Belhamra, A. R. Boulebtina, O. Belahssen</i>	
Effect of TiO₂ nanoparticles on the mechanical and anticorrosive properties	
of Zn-Ni composite coatings	107
<i>Y. Kalinin, M. Brykov, I. Petryshynets, V. Efremenko, O. Hesse, M. Kunert,</i>	
<i>M. Andrushchenko, M. Osipov, S. Berezhnyy, O. Bykovskiy</i>	
Structure of high-carbon steel after welding with rapid cooling	114
<i>T. B. Trung, D. D. Phuong, L. D. Chung, T. B. Hung</i>	
Effect of binder composition and sintering temperature	
on the microstructure and mechanical properties of WC-7(Ni,Fe) hard alloys	
prepared by free capsule HIP technique	123
<i>W. Mei, J. Wu, M. Dai, K. Wei, J. Hu</i>	
Comparison of salt bath preoxidation and air preoxidation for salt bath nitriding	130