

CONTENTS

V. Novák, L. Řeháčková, P. Váňová, B. Smetana, K. Konečná, L. Drozdová, S. Rosypalová	
Surface and interfacial properties of Fe-C-O-Cr alloys in contact with alumina	143
F. Yang, Y.-Q. Zhou, J.-J. Wu, W.-H. Ma, Y. Lei	
Experimental determination of activity interaction coefficients of components in Si-B-Fe and Si-B-Al ternary systems at 1723 K	153
S. Rusz, O. Hilšer, V. Ochodek, L. Čížek, M. Kraus, V. Mareš, A. Grajcar, J. Švec	
Effect of severe plastic deformation on mechanical and fatigue behaviour of medium-c sheet steel	161
U. Gürol, S. Can Kurnaz	
Effect of carbon and manganese content on the microstructure and mechanical properties of high manganese austenitic steel	171
T.-B. Fu, Y. Du, Z.-S. Zheng, Y.-B. Peng, B. Jin, Y.-L. Liu, C.-F. Du, S.-H. Liu, C.-Y. Shi, J. Wang	
An effective algorithm to identify the miscibility gap in a binary substitutional solution phase	183
S. Wang, L. Li, S.-D. Wang, H. Wang, G.-D. Wu	
Extraction of platinum and gold from copper anode slimes by a process of chlorinating roasting followed by chlorinating leaching	193
D.-Q. Zhao, S.-H. Yang, Y.-M. Chen, C.-B. Tang, J. He, H. Li	
Leaching of Hemimorphite in neutral solution at high temperature	203
J. Górká	
Assessment of the quality of a abrasion-resistant plates welded joint	208
D. Orac, M. Laubertova, J. Piroskova, D. Klein, R. Bures, J. Klimko	
Characterization of dusts from secondary copper production	221
P. Ganesh, R. Kumar Dishwar, S. Agrawal, A. Kumar Mandal, N. Sahu, O.P. Sinha	
Feasibility of nickel extraction from indian chromite overburden by solid state reduction and smelting route	229
S. Ghasemi, S. Vaghar, M. Pourzafar, H. Dehghani, A. Heidarpour	
A novel predictive model for estimation of cell voltage in electrochemical recovery of copper from brass: application of gene expression programming	237
Y.-Y. Fan, Y. Liu, L.-P. Niu, T.-L. Jing, T.-A. Zhang	
Leaching of lead from sphalerite concentrate direct leaching residue by hydrochloric acid and sodium chloride for preparation of lead oxides	247
Z.-G. Yang, W.-P. Liang, Y.-L. Jia, Q. Miao, Z. Ding, Y. Qi	
Corrosion behavior of double-glow plasma copperizing coating on Q235 steel	257
V.E. Sokol'skii, D.V. Prutskov, O.M. Yakovenko, V.P. Kazimirov, O.S. Roik, N.V. Golovataya, G.V. Sokolsky	
X-ray diffraction study of structure of CaO-Al ₂ O ₃ -SiO ₂ ternary compounds in molten and crystalline states	269
Z. Wang, Q.-F. Shu, K.-C. Chou	
Crystallization characteristics of B ₂ O ₃ and TiO ₂ -bearing Glassy fluoride-free mold fluxes	279