

CONTENTS

New Members of The Editorial Board	
Dr Nadežda Talijan.....	i
Dr Dragan Manasijević.....	ii
G.H. Zhang, K.C. Chou	
Viscosity model for fully liquid silicate melt.....	1
U.C. Singh, A. Prasad, A. Kumar	
Freezing and melting of a bath material onto a cylindrical solid additive in an agitated bath with the frozen layer of negligible thermal resistance.....	11
Y.M. Gao, Y. Jiang, S. Huang	
Reduction of molybdenum oxide from steelmaking slags by pure liquid iron.....	25
A.D.V. Prasad, S.R. Sankaranarayanan	
Thermodynamic modeling of deoxidation products and inclusion chemistry in Mn / Si Killed Tire-Cord steel.....	37
Y.Y. Sun, M. Song	
Influence of Al addition on the thermal stability and mechanical properties of Fe _{76.5-x} Cu ₁ Si _{13.5} B ₉ Al _x amorphous alloys.....	45
J. Miettinen, G. Vassilev	
Thermodynamic re-optimization of the Cu-Mg-Sn System at the Cu-Mg side.....	53
J. Sopousek, J. Bursik, J. Zalesak, Z. Pesina	
Silver nanoparticles sintering at low temperature on a copper substrate: in situ characterisation under inert atmosphere and air.....	63
R. Yamanoglu, M. Zeren, Randall M. German	
Solidification characteristics of atomized AlCu ₄ Mg ₁ -SiC composite powders.....	73
R. Ahmadi, H.R. Madaah Hosseini	
A new approach for calculation of relaxation time and magnetic anisotropy of ferrofluids containing superparamagnetic nanoparticles.....	81
A. Khoshnevisana, H. Yoozbashizadeha	
Determination of optimized conditions for pressure oxidative leaching of Sarcheshmeh Molybdenite concentrate using Taguchi method.....	89
V.E. Sokolsky, A.S. Roik, A.V. Davidenko, V.P. Kazimirov, V.V. Lisnyak, V.I. Galinich, I.A. Goncharov	
X-Ray diffraction and SEM/EDX studies on technological evolution of the oxide-fluoride ceramic flux for submerged arc-surfacing.....	101
E. Ranjbarnodeh, S. Weiss, S. Hanke, A. Fischer	
EBSD characterization of the effect of welding parameters on HAZ of AISI409.....	115
C. Tang, P. Zhou, D.D. Zhao, X.M. Yuan, Y. Tang, P.S. Wang, B. Hu, Y. Du, H.H. Xu	
Thermodynamic modeling of the Sc-Zn system coupled with first-principles calculation.....	123
V. Čosović, N. Talijan, D. Živković, D. Minić, Ž. Živković	
Comparison of properties of silver-metal oxide electrical contact materials.....	131
P. Djordjević, N. Mitevska, I. Mihajlović, Dj. Nikolić, D. Manasijević, Ž. Živković	
The effect of copper content in the matte on the distribution coefficients between the slag and the matte for certain elements in the sulphide copper concentrate smelting process.....	143
G. Kaptay	
On the atomic masses (weights?) of the elements.....	153