

CONTENTS

D.-R. Yang, Z.-L. Wu, K. Ren, P. Dong, D. Zhang, B. Yang, F. Liang Recent advances of the thermodynamic behavior of Tin species in aqueous solution	1
Y.-H. Wang, J.-J. Wu, G.-C. Hu, W.-H. Ma Recovery of Li, Mn, and Fe from LiFePO ₄ /LiMn ₂ O ₄ mixed waste lithium-ion battery cathode material...	17
Y.-X. Liu, Y.-G. Wei, S.-W. Zhou, B. Li, H. Wang Matte-slag separation behavior during reduction process of iron phase	27
B. Grzegorzczk, S. Rusz, P. Snopinski, O. Hilše, A. Skowronek, A. Grajcar Effect of ECAP process on deformability, microstructure and conductivity of CuCoNi alloy	39
C. Boucekrit, M. Kolli, M. Altiner, R. Doufnoune Synthesis of high purity magnesia MgO from Algerian dolomite ore	53
X.-D. Mao, X.-J. Hu, Y.-W. Fan, K.-C. Chou Effect of water vapor on the reduction kinetics of hematite powder by hydrogen-water vapor in different Stages	65
E.U. Morales-Cruz, M. Vargas-Ramírez, A. Lobo-Guerrero, A. Cruz-Ramírez, E. Colin-García, R.G. Sánchez-Alvarado, V.H. Gutiérrez-Pérez, J.M. Martínez-Vázquez Effect of low aluminum additions in the microstructure and mechanical properties of hot forged high-manganese steels	77
B. Karpe, K. Prijatelj, M. Bizjak, T. Kosec Corrosion properties of aluminized 16Mo3 steel	91
H.-Y. Zheng, Y. Zhang, Z. Wang, J.-L. Du, X. Jiang, Q.-J. Gao, F.-M. Shen The melting performance of high alumina blast furnace slags	101
Y.-Y. Xiao, L.-J. Wang, S.-Y. Liu, X.-B. He, K.-C. Chou Kinetic mechanism of FeCr ₂ O ₄ reduction in carbon-containing iron melt	113
R.A. Daclan, M.G. Mena, M.R. Vasquez, W. Gierlotka Ab-initio combined the Calphad approach to the phase equilibria in the ternary Ti-Mo-N system	125
H. Xie, Z. Yang, Q.-S. Ma, W. Meng, L. Hu, X.-H. Yin Effect of extrusion process on the stress corrosion cracking resistance of 7N01 aluminum alloy	137
A.A. Khan, Al-K. Hossain, M.S. Kaiser Role of Si at a lower level on the mechanical properties of Al-based automotive alloy	147
A.K. Akela, H. Shashikumar, J.N. Mohapatra, R. Singh, D.S. Kumar, G. Balachandran Weldability study of dual phase and transformation induced plasticity automotive steels	155
X. Huang, L. Wang, W.-D. Huang, D.-D. He, X.-H. Cheng, X.-P. Xu, X.-X. Chen, S.-S. Qin, L.-H. Huang Microstructure development, mechanical properties and underlying mechanism of micro-TiN-reinforced AlSi10Mg composites fabricated by selective laser melting	169