

CONTENTS

Z.-D. Tang, P. Gao, Y.-X. Han, W. Guo Fluidized bed roasting technology in iron ores dressing in China - A review on equipment development and application prospect	295
J. Xiao, W. Ding, Y. Peng, Q. Wu, Z. Chen, Z. Wang, J. Wang, T. Peng Upgrading iron and removing phosphorus of high phosphorus Oolitic iron ore by segregation roasting with Calcium chloride and Calcium hypochlorite	305
M. Ozer Cobalt and copper recovery from the ancient flotation tailings by selective sulfation roast - Leaching process	315
D.-Q. Zhu, L.-T. Pan, Z.-Q. Guo, J. Pan Smelting process of direct reduction iron bearing Ni and Cu to prepare Fe-Ni-Cu ternary alloy	325
L.-H. Gao, Z.-G. Liu, M.-S. Chu Smelting separation behaviors and mechanisms of high-alumina rich-manganese ore obtained from metallic reduction and magnetic separation	331
U. Erdenebold, C.-M. Sung, J.-P. Wang Gold recovery from flotation concentrate from gold mine tailings using dissolve smelting	343
Q. Wang, T. Qu, X.-P. Gu, L. Shi, B. Yang, Y.-N. Dai The effect of CaO on the recovery of Fe and Ni in a vacuum carbothermal reduction of garnierite	351
Y.-L. Liao, G.-C. Shi, F.-R. Huang, Y. Zhang Recovery of the valuable metals from complex converter slag at elevated temperature with sulfuric acid solution	359
D.-W. Xiang, F.-M. Shen, X. Jiang, J.-L. Yang, J.-X. Li, Q.-J. Gao Protective mechanism of unburned pulverized coal to coke in blast furnace	371
M. Ali, D. Porter, J. Kömi, E.-P. Heikkinen, M. Eissa, H. El Faramawy, T. Mattar The effect of electroslag remelting on the cleanliness of CrNiMoWMnV ultrahigh-strength steels	381
J.-T. Ju, J.-L. An, G.-H. Ji Effect of CaF ₂ substitution with TiO ₂ on the crystallization characteristics of low-fluoride slag for electroslag remelting	397
Z. Nasiri, H. Mirzadeh Spheroidization heat treatment and intercritical annealing of low carbon steel	405
I. Schindler, R. Kawulok, Y. Seillier, P. Kawulok, P. Opěla, S. Ruzs, V. Vodárek, R. Turoň Continuous cooling transformation diagrams of HSLA steel for seamless tubes production	413
Z.-X. Deng, D.-P. Zhao, Y.-Y. Huang, L.-L. Chen, H. Zou, Y. Jiang, K. Chang Ab initio and CALPHAD-type thermodynamic investigation of the Ti-Al-Zr system	427
T. Cheng, L.-J. Zhang Thermodynamic re-assessment of the Al-Sn-Zn ternary system	439