

## CONTENTS

<b>Z.-W. Jiang, M.-T. Li, C. Wei, Y.-L. Cao, X.-B. Li, Z.-G. Deng</b>	
Solidification behavior and environmental risk assessment of toxic elements on tailings from carbothermic reduction-magnetic separation of lead blast furnace slag .....	363
<b>H.-F. Ma, Y.-L. Liao, M. Wu, X.-B. Jia, S.-Y. Yang</b>	
Phase transformation mechanism of oxidation roasting of low-grade polymetallic chalcopyrite ore in the presence of CaO .....	375
<b>J.-X. Wen, T.N.H. Nguyen, M.-S. Lee</b>	
Recovery of pure MnSO <sub>4</sub> by crystallization after separation of Fe(III) and Zn(II) from the reductive leaching solution of manganese dust containing Mn <sub>3</sub> O <sub>4</sub> .....	383
<b>X.-J. Li, S.-H. Liu</b>	
Thermodynamic description of the Mg-O and Al-O systems .....	395
<b>A. Dębski, W. Gierlotka, M. Zabrocki, A. Góral, W. Gąsior</b>	
Thermodynamic measurements and ab initio calculations of the indium-lithium system .....	407
<b>S. Eray</b>	
Thermal upgrading of manganese ores prior to smelting .....	421
<b>J.-J. Jiang, C. Xiao, Y. Yu, J.-L. Li</b>	
Effect of temperature on oxidation behavior and occurrence state of sulfur in KR slag .....	431
<b>S.A. Zakaria, M.S. Ahmad, A.S. Anasyida, H. Zuhailawati, B.K. Dhindaw, T.E. Abioye</b>	
Characterization of cryorolled low carbon steel using ferrite-martensite starting microstructure .....	443
<b>T. Umadevi, R. Sah</b>	
Effect of olivine as MgO-bearing flux on low- and high-alumina iron ore pellets .....	455
<b>M. Zagula-Yavorska</b>	
Synergistic effect of Pd+Rh on the microstructure and oxidation resistance of aluminide coatings .....	465
<b>J.-B. Huang, G.-H. Zhang</b>	
Synthesis of ultrafine (Mo,W)Si <sub>2</sub> composite powders from high purity molybdenum concentrate .....	477
<b>J. Klimko, Z. Takacova, V. Marcinov, J. Piroskova, T. Vindt, P. Liptai, D. Orac</b>	
Lithium slag leach solution refining by hydroxide precipitation .....	489
<b>F. Nurjaman, H.Z. Hakim, B. Septiansyah, L.O. Arham, A.S. Handoko, F. Bahfie, I. Suherman, H. Haryadi, T. Suseno, Y. Sari, B. Suharno</b>	
Smelting of low-grade saprolitic nickel ore in DC-Arc furnace .....	497
<b>H.-C. Wang, G.-D. Bao, S. Sadaf, S.-S. Mao, T. Wu</b>	
Combining role of MgO and Al <sub>2</sub> O <sub>3</sub> on viscosity and its correlation to structure of fluorine-free mold fluxes ..	507
<b>M. Khani, G.R. Ebrahimi, H.R. Ezatpour, A. Momeni</b>	
The influence of new severe plastic deformation on microstructure, mechanical, and corrosion properties of Mg-0.8Mn-0.5Ca alloy .....	515