

CONTENTS

New Members of the Editorial Board

Prof. Dr.-Ing. habil. Piotr R. Scheller.....	i
Prof. Dr. Shashi Anand.....	iii

S.Y. Seo, W.S. Choi, M.J. Kim, T. Tran

Leaching of a Cu-Co ore from Congo using sulphuric acid-hydrogen peroxide leachants.....	1
--	---

C. Pan, X. Lv, C. Bai , X. Liu, D. Li

Melting features and viscosity of $\text{SiO}_2\text{-CaO-MgO-Al}_2\text{O}_3\text{-FeO}$ nickel slag in laterite metallurgy.....	9
---	---

Y. Zhang, W. Wei, X. Yang, F. Wei

Reduction of Fe and Ni in Fe-Ni-O systems.....	13
--	----

E. Darezereshki, F. Bakhtiari

Synthesis and characterization of tenorite (CuO) nanoparticles from smelting furnace dust (SFD).....	21
---	----

Z. Marinković Stanojević, L. Mančić, T. Srećković, B. Stojanović

Mechanochemical synthesis of bismuth ferrite.....	27
---	----

Y. Feng , Z. Cai, H. Li, Z. Du, X. Liu

Response surface optimization of fluidized roasting reduction of low-grade pyrolusite coupling with pretreatment of stone coal.....	33
---	----

M. Benke, V. Mertinger, P. Pekker

Investigation of the bainitic reaction in a CuAlNiMnFe shape memory alloy.....	43
---	----

Y.M. Gao, B. Wang, S.B. Wang, S. Peng

Study on electrolytic reduction with controlled oxygen flow for iron from molten oxide slag containing FeO	49
---	----

L. Pan, X. Bao, G. Gu

Solvent extraction of palladium (II) and effective separation of palladium (II) and platinum (IV) with synthetic sulfoxide MSO.....	57
---	----

Y. Kobayashi, T. Shirochi, Y. Yasuda, T. Morita

Synthesis of silver/copper nanoparticles and their metal-metal bonding property.....	65
--	----

S. Xiao, G.M. Haarberg

Depolarized SnO_2 -based gas anodes for electrowinning of silver in molten chlorides.....	71
--	----

K. Nakane, S. Matsuoka, S. Gao, S. Yonezawa, J.-H. Kim, N. Ogata

Formation of inorganic nanofibers by heat-treatment of poly (vinyl alcohol)-zirconium compound hybrid nanofibers.....	77
---	----

B. Karpe, B. Kosec, A. Nagode, M. Bizjak

The influence of Si and V on the kinetics of phase transformation and microstructure of rapidly solidified Al-Fe-Zr alloys.....	83
---	----

R. Dimitrijević, O. Cvetković, Z. Miodragović, M. Simić, D. Manojlović, V. Jović

SEM/EDX and XRD characterization of silver nanocrystalline thin film prepared from organometallic solution precursor.....	91
---	----

D. Hariprasad, M. Mohapatra, S. Anand

Sulphuric acid leaching of low/medium grade managanese ores using a novel nitrogeneous reductant - $\text{NH}_3\text{NH}_2\text{HSO}_4$	97
---	----

D. Cvikel, E. D. Mentovich, D. Ashkenazi, Y. Kahanov

Casting techniques of cannonballs from the Akko 1 shipwreck: archaeometallurgical investigation.....	107
--	-----

Conference announcements

IBAAS 2013 - International Bauxite, Alumina and Aluminium Symposium in China.....	121
---	-----