CONTENTS

VOLUME 46 NUMBER 1 2005

RUSSIAN JOURNAL OF NON-FERROUS METALS

	PAGES RUSSIAN	PAGES ENGLISH
Mineral Processing of Non-Ferrous Metals		
Analysis of phase equilibria in the system Cu–S–O at temperatures of 1100–1300°C. E. A. Trofimov and G. G. Mikhailov	4	1
Metallurgy of Less-Common and Precious Metals		
Kinetics of lead and copper interaction with acid solutions in the presence of an oxidizer. A. M. Troshkin, Yu. T. Mel'nikov, and E. A. Belova	13	7
Casting Production		
Test-sample for evaluating the cracking tendency of the alloys. S. P. Gerasimov and P. A. Neverov	23	13
Metal Forming		
Forming the structure of a material that is sintered from granular copper chips. N. N. Zagirov, V. S. Biront, and V. I. Anikina	31	19
Physical Metallurgy and Heat Treatment		
Quantitative analysis of the Al–Fe–Mg–Si state diagram in the range of the aluminum alloys of the 6XXX series. N. A. Belov	43	26
Powder Materials and Coatings		
Study of the erosion resistance of copper-iron and copper-nickel electrodes. V. B. Kovshechnikov, N. I. Litvinov, G. V. Nakonechnyi, R. V. Ovchinnikov, and A. V. Surov	56	36
Energy Saving and Environment Protection		
Modeling the charge melting process in the Waelz kiln. A. L. Rutkovskii, A. A. Saakyants, and T. V. Starikova	66	40
(continued)		
Process Control and Automation		
Mathematical model of aqueous zinc sulfate solution electrolysis. E. I. Eliseev, E. V. Blinkova, and K. N. Shabarov	68	43