CONTENTS

VOLUME 46 NUMBER 9 2005

RUSSIAN JOURNAL OF NON-FERROUS METALS

	PAGES RUSSIAN	PAGES ENGLISH
Metallurgy of Non-Ferrous Metals		
A universal technique for determining the kinetic parameters of leaching. G. M. Vol'dman, V. V. Teterin, N. B. Ovchinnikova, and V. A. Sidorov	4	1
Kinetics of dissolution of zinc oxide in aqueous solutions of acetic acid. E. V. Blinkova and E. I. Eliseev	8	6
Metallurgy of Less-Common and Precious Metals		
Electrochemical investigations of gold dissolution in a chloride-hypochlorite medium. I. A. Zhuchkov and G. G. Mineev	21	11
Casting Production		
Growth of monocrystals from solid solution alloys. E. V. Sidorov and M. V. Pikunov	26	17
Powder Materials and Coatings		
Thermal stability of diamond materials. V. I. Bugakov	55	22
Dilatometric investigations of liquid-phase reaction sintering of Al–Cr powder mixtures. G. N. Romanov, P. P. Tarasov, P. K. D'yachkovskii, and A. P. Savitskii	60	29
Structural Macrokinetics. SHS		
Avalanche-type heat transfer mechanism in thermal explosion of copper-aluminum powder compacts. V. D. Zozulya	66	36
Process Control and Automation		
High-reliability control of flows of liquids and gases by means of an AAAI regulator. A. M. Shubladze, Z. G. Salikhov, S. V. Gulyaev, A. A. Shubladze, K. Z. Salikhov, V. A. Malakhov, and V. R. Ol'shvang	75	42