



Volume 11, No. 1 , 2009

CONTENTS

No.1

Material Engineering

E. Barsky

Correlation between the Velocities of particle Spin and Particle Settling and the optimal Stream velocity in Gravity Separation

A.A.Bayramov, N.N.Mursakulov, Sh.M.Hasannli, N.A.Safarov, B.A.Mamedov, N. N.Abdulzade, U.F.Samedova, X.M.Mamedova, R.K.Guseynov

Investigation of Si-SiO₂/obligo-β-naphtol/metal Heterostructures

Yu.Borisov , S. Matreninskiy, R. Sapelkin

Process of Heat Transfer During Vulcanization of the Concrete Based on Liquid Polybutadiene Binder

E. M. Chernyshov, D. N. Korotkikh

Nanofibrereinforcement of Cement Stone Structures with Help of Ettringit Crystals as a Specie of Concrete Fracture Strength Increasing

E. M. Chernyshov, G. S. Slavcheva

Humidity State of Cement and Silicate Concrete in Connection with their Structure

O.Figovsky, D. Beilin, Yu. Borisov, Yu. Zemlyanushnov

Optimal Composition, Strength and Durability of Silicate Polymer Concrete

M. Ioelovich

Nano-Structural Concept of Papermaking

M. Ioelovich

Physico-Chemistry of Nanostructured Materials



Y. I. Kalgin, E. B. Tyukov

Forecasting of Durability of the Bitumen Superficial Road Covering Layer
by Neural Networks System

A.M. Karateev , Ya.A. Taranukha

New Fireproof Composition for Textile Material

Y. B. Potapov, V. V. Platoshkina, T. V. Makarova

Investigation of Rubber Polymer Concrete Durability by Thermal Fluctuation Method

R.M.Sardarly, O.A.Samedov, A.A.Bayramov, G.R.Safarova, F.T.Salmanov

Features of Conductivity Anisotropy of Intercalated Nanodimensional Relaxor
TlInS₂<Ge>

G.Z.Yeligbayeva

Influence of Water-Alcohol Solutions on the Radical Polymerization
of Potassium Styrene Sulphonate

Letters to Editorial Board

CONGRATULATIONS

M. Dmitriev

About Non-observance of Principle of Inertial and Gravitational Masses Equivalence

I.Ruban, R. Shadmanov, N. Voropaeva, O. Figovsky

Some Analogues of Water Structuring in Nano-sized Biological Systems