



Volume 12, No. 3-4 , 2010

CONTENTS

No. 3

Material & Civil Engineering

M. Ioelovich, E. Morag

Effect of Cellulose Structure on enzymatic Hydrolysis and Yield of Bio-Ethanol

L.Kveglis, R. Abylkalykova. G. Tazhibaeva, A. Sadibekov

Translational Rotational Mechanism of Material Transfer by Machining of the alloy Co67Ni5Nb Surface

S. Volfson , A. Nigmatullina , N. Okhotina , R. Sabirov , E. Gotlib

Dynamically Vulcanizes Thermoplastics Based on Butadiene-Acrylonitrile Rubber And Polypropylene Modified Nanofiller

E. Zinovjeva, V. Efimov , O.Volkov

Production Process of Epoxy Polymers by Means of Curing Systems of Trialkyl(aryl)-phosphate Complex of Metalchloride and Triethylenetetramine

U. Panichkin, R. Abylkalykova , L. Kveglis, V. Semchenko

The Sign-Alternating Thermoelectric Effect in Magnetic Viscosity Alloy Fe86Mn13C

N. Lukuttsova , E. Matveeva, S. Lukashov

Research of the Fine-Grained Concrete Modified by Nanoadditive

N. Lukuttsova, A. Pykin

Application of Nanodispersed Schungite as Functional Concrete Admixture

E. Barsky

On Certain Problems of Thermodynamic Entropy



A. Ponomarev , O. Figovsky

The Giant Resonances at Disperse Interactions of Nonmetallic Particles and Examples of the Composite Materials Modified by Astralenes

A. Gilyazova, G. Kornilaeva , A. Ponomarev, V. Chereshnev, E..Karamov

Water Soluble Carbon Nanoclusters as Microbicides with Anti-HIV Activity

I. Nasyrov., D. Pashin , Z. Khalitov , D. Valeeva

Structure of Chiral and Spiral Nanotubes of Arbitrary Composition

T. Kozhina, V. Eroshkov,

Development of Nanostructures Coatings for Tools and Tooling Applied in Aircraft Gas Turbine Engine Part Cutting

T. Kozhina, V. Eroshkov, A. Lomanov

NDT Testing and In-Situ Diagnostics of Nanostructures and Parameters of Functional Coatings of Gas Turbine Engine Parts, Tool and Tooling Applied for their Manufacture

E. Voiczek E. Melamed, V. Babaev, D. Beilin

Reconstruction of Buildings with Changed Structural Model . Interactive Method Design (*Israel Experience*)

T. Kумыkova , V. Kумыkov

Development of Energy Conservation System for Stabilizing Operation of Mining Mashine

T. Kумыkova , V. Kумыkov

Mathematical Modeling Dynamic Processes of Hydropneumatic Accumulator of Compressed Air

No.4

Environmental Engineering

M. Ioelovich

Biofuels – Tecnology, Problems and Perspectives. *Review*

A. Bolonkin

Suppression of Forest Fire by Helicopter without Water

A. Bolonkin

AB Wind Wall

M.Nusinov, V. Kardashov , L.Eppelbaum

Information Evolution of the Universe: Two Approaches to the Living System Evolution

Letters to the Editorial Board

Review

Electrocorrosion and Protection of Metals by **J. Riskin**.

K. Levkov , O. Figovsky

On the Training of Innovative Engineers

E.Manusov, A.Furman , O.Figovsky

Noosphere: Realty and Utopia

Yu. Magarshak

Gluconics as the Universal Renewable Energetic

B. Menin , V. Rzevs kaya , E.Guigo

The Method of the Estimation of the Mathematical; Model Error

Memorial