

Table of Contents

Determining Stress-Strain Behavior of Zr₆₀Cu₁₀Al₁₅Ni₁₅ Bulk Metallic Glass Using Object Oriented Finite Element Analysis

K.A. Patel, G.R. Karthikeyan and S. Vincent

1

XRD and FTIR Studies of Nanocrystalline Cellulose from Water Hyacinth (*Eichornia crassipes*) Fiber

M. Asrofi, H. Abral, A. Kasim and A. Pratoto

9

Luminescence White Light from CdTe/ZnSe Core/Shell Nanocrystals System

A.M. Kadim

17

Effect on Aluminium Metal Matrix Composite Reinforced with Nano Sized Silica Particles

S. Nallusamy and J. Logeshwaran

25

Effect of Ultrasonic Treatment on Morphology and Mechanical Properties of Bioplastic from Cassava Starch with Nanoclay Reinforcement

N. Eko Wahyuningtiyas and H. Suryanto

35

The Study of the Kinetics of Obtaining Betulin and Extractive Substances from the Birch Tree Bark

S.I. Tretiakov, E.N. Koptelova, N.A. Kutakova, N.V. Bagretsova and N.L. Voropaeva

42