Volume 2, Number 1, January 2012

Intensity Analysis Method for Measurement the Damage Severity of Concrete Structure by Utilizing the Acoustic Emission Technique

Shahiron Shahidan, Norazura Muhamad Bunnori, Neeraj Bhardwaj, Noorsuhada Md Nor, Siti Ramziah Basri, and Sakhiah Abdul Kudus

The Role of Combined-Scale Smart Structures in Multifunctional Spaces Development

Mohammad Reza Bemanian, Mohammadjavad Mahdavinejad, Ali Karam, and Shahabeddin Ramezani

Effect of Structure and Surface Treatment of CNTs on Micro High-Efficiency Bio-Analysis

Takuya Yabe, Tatsuya Sameshima, Ming Yang

Design Analysis of MEMS Capacitive Differential Pressure Sensor for Aircraft Altimeter

P. Eswaran and S. Malarvizhi

The Fabrication and Function Evaluation of 3D SPR Biosensor by using CNTs/Au Nanoparticles

Ryohei Fujieda and Yang Ming

Numerical Simulation of the Elastic Properties of Rh-20at%Pd Nanowire

J. Davoodi and M. J. Moradi

Effective Parameters on Hardness Behavior in Nanoindentation of Nylon66/Clay Nanocomposite Using Representative Volume Element

A. Soleimani and M. Saadatfar

Soliton Pulse Model in Different Order for TDM Communication Compatibility

M. S. Roslan, A. Mohamad, Saktioto, and J. Ali

Enhancement in Dielectric Constant and Structural Properties of Sol-Gel Derived MgO Thin Film using ZnO/MgO Multilayered Structure

Habibah Zulkefle, Lyly Nyl Ismail, Raudah Abu Bakar, Mohamad Hafiz Mamat, and Mohamad Rusop

A Comparison of Root Mean Square Errors on Skeletonization Methods

Neeti Daryal and Vinod Kumar

Strain Relaxation via Misfit Dislocation in Step-Graded InGaN Heteroepitaxial Layers Grown on Semipolar (11\overline{2}2) and (\overline{1}\overline{1}01) GaN


L-Histidinium Maleate Crystals for Nonlinear Frequency Conversion

C. Alosious Gonsago, S. Pandi, Helen Merina Albert, and A. Joseph Arul Pragasam

Comparison with Low-Velocity Impact and Quasi-static Indentation Testing of Foam Core Sandwich
Yan Li, An Xuefeng, and Yi Xiaosu

Hydrogen Storage in Palladium Decorated Carbon Nanotubes Prepared by Solventless Method

R. Ravindra and Badekai Ramachandra Bhat