

## TABLE OF CONTENTS

**Volume 3 Number 4**

**October 2013**

### **Phase Transition Behavior of Nanocrystalline Al<sub>2</sub>O<sub>3</sub> Powders**

- B. Sathyaseelan, I. Baskaran, K. Sivakumar.....69

### **Atomic Absorption and Vibrational Spectral Magnetic Studies on the Removal of Cu(II) and Co(II) Ions Using Synthetic Nano Adsorbent Fe<sub>3</sub>O<sub>4</sub>**

- G. Kanthimathi, P. Kotteeswaran, M. Muthuraman, M. Mahendran, M. Kottaisamy.....75

### **Direct Transfer of GaAs Microtube Arrays onto Transparent Substrates for Imaging Neuron Outgrowth**

- A. Koitmäe, C. S. Bausch, E. Stava, D. Sonnenberg, W. Hansen, R. Blick.....79

### **A Crystalline Material Made from Oxidation of Vanadium Nitride via Foam Route**

- Y. C. Hong, H. S. Uhm.....83

### **Radio Frequency Tank Circuit for Probing Planar Lipid Bilayers**

- A. Bhat, J. Rodriguez, H. Qin, H. C. Shin, H. Shin, J. Clobes, D. Kreft, J. Park, E. Stava, M. Yu, R. H. Blick.....87

### **Effect of Laser Fluenceon the Characteristics of Ag Nanoparticles Produced by Laser Ablation**

- D. Dorranian, S. Tajmir, F. Khazanehfar.....93

### **Dependence of Laser Ablation Produced Gold Nanoparticles Characteristics on the Fluence of Laser Pulse**

- N. Mirghassemzadeh, M. Ghamkhari, D. Dorranian.....101

### **Hydrogen from Sunlight Water Splitting: Is It Our Future?**

- F. Márquez, K. R. Pirota, C. Morant.....107

---

The figure on the front cover is from the article published in Soft Nanoscience Letters, 2013, Vol. 3, No. 4, pp. 79-82 by Aune Koitmäe, *et al.*