

TABLE OF CONTENTS

Volume 1 Number 4

December 2011

Impact of Laser Energy on Synthesis of Iron Oxide Nanoparticles in Liquid Medium

A. Kebede, A. V. Gholap, A. K. Rai.....89

Green Synthesis and Characterization of Gold Nanoparticles Using Onion (*Allium cepa*) Extract

U. K. Parida, B. K. Bindhani, P. Nayak.....93

Synthesis of $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_3$ (BSCF) Nanoceramic Cathode Powders by Sol-Gel Process for Solid Oxide Fuel Cell (SOFC) Application

Y. M. Al-Yousef, M. Ghouse.....99

Determination of Optimum Film Thickness and Composition of $\text{Cu}(\text{InAl})\text{Se}_2$ Thin Films as an Absorber for Solar Cell Applications

B. Kavitha, M. Dhanam.....108

Growth of Boron Nitride Nanotubes Having Large Surface Area Using Mechanochemical Process

S. K. Singhal, A. K. Srivastava, R. B. Mathur.....119

A Highly Efficient and Stable Visible-Light Plasmonic Photocatalyst Ag-AgCl/CeO_2

H. J. Wang, L. Yang, H. Yu, F. Peng.....129