

TABLE OF CONTENTS

Volume 3 Number 4

November 2013

The Role of Electric Field and Ultrasonication in the Deposition and Alignment of Single-Walled Carbon Nanotube Networks Using Dielectrophoresis

S. Ammu, D. Heskett.....159

Influence of Iodine Pressure on the Growth of CuIn_{1-x}Ga_xSe₂ Thin Films Obtained by Close-Spaced Vapor Transport “CSVT”

D. Habib, R. Al Asmar, Z. El Helou, G. El Haj Moussa.....164

External Electric Field Effect on Electrons Transport in Carbon Nanotubes

S. S. Abukari, S. Y. Mensah, M. Rabiu, K. W. Adu, N. G. Mensah, K. A. Dompreh, A. Twum, M. Amekpewu.....169

Bright Green Luminescence from Zirconium Oxide Stabilized with Tb³⁺ Ions Synthesized by Solution Combustion Technique

S. López-Romero, M. García-Hipólito, A. Aguilar-Castillo.....173

Anisotropic Magnetocaloric Effect and Magnetic Order in Antiferromagnetic Gd₂InGe₂

A. L. L. Sharma, A. M. Gomes, P. A. Sharma.....180

Spin Configurations in the Rectangular Lattice

G. Mert, H. S. Mert.....184

Cryocooler Operation of a Pulse-Driven AC Josephson Voltage Standard at PTB

O. F. O. Kieler, T. Scheller, J. Kohlmann.....189

Double Quantum Entanglement to Understand Superconductivity

J. Cordelair.....194

Shielding Properties of Lead Zinc Borate Glasses

S. Y. El-Kameesy, S. A. El-Ghany, M. A. El-Hakam Azooz, Y. A. A. El-Gammam.....198

A Quantum Monte Carlo Study of Lanthanum

N. Elkahwagy, A. Ismail, S. Maize, K. R. Mahmoud.....203

Unimolecular Dissociation of H_{2n+1}⁺ Hydrogen Clusters: Measured Cross Sections and Theoretically Calculated Rate Constants

M. Tabti, A. Eddahbi, S. Assouli, L. El Arroum, S. Ouaskit.....207

The Temperature Dependence of the Density of States in Semiconductors

G. Gulyamov, N. Y. Sharibaev, U. I. Erkaboev.....216

The figure on the front cover is from the article published in World Journal of Condensed Matter Physics, 2013, Vol. 3, No. 4, pp. 159-163 by S. Ammu and D. Heskett.