

## CONTENTS

### Original Articles

- Dinh Van Tuan, Dang Thi Thuy Ngan, Nguyen Thi Thuy, Hoang Lan, Nguyen Thi Nguyet, Vu Thi Phuong Thuy, Nguyen Dac Dien , Vu Van Thu, Vuong Pham Hung, Phuong Dinh Tam,** Characterization of Enzymatic Glucose Biosensors Based on A Glassy Carbon Electrode Modified with MoS<sub>2</sub> Nanorods 1
- Le Mai Dung, Dao Thi Le Thuy,** The Contribution of Photon, Z Boson, Higgs, Radion and Unparticle to the Process  $\mu^+ \mu^- \rightarrow \mu^+ \mu^-$  in Randall-Sundrum model 13
- Nguyen Thi Nguyet Anh, Luong Van Tung, Nguyen Quang Bau, Tang Thi Dien,** Effect of Confined Optical Phonons on Photo-Stimulated Ettingshausen Effect in Rectangular Quantum Wires with A Perpendicular Magnetic Field 27
- Vu Hoang Huong,** Construction of Sn<sub>3</sub>O<sub>4</sub>/g-C<sub>3</sub>N<sub>4</sub> Composite with Enhanced Photocatalytic Activities Under Visible Light Irradiation 34
- Hoang Trong Duc, Nguyen Anh Tu, Nguyen Thi Thuy,** A New Design of Ultra-flat Dispersion Photonic Crystal Fiber using Benzene Infiltration 42
- Nguyen Hoang Anh, Nguyen Hung Son, Nguyen Van Hong,** Pressure-induced Glassy Networksof Enstatite (MgSiO<sub>3</sub>) and Forsterite (Mg<sub>2</sub>SiO<sub>4</sub>) 53
- Nguyen Huy Tiep, Bui Dinh Tu, Le Viet Cuong,** Enhancement of Magnetic Field Strength and Gradient Produced by an Array of Micro-sized Parallelepiped Magnets 74
- Nguyen Duc Cuong, Vu Thi Thao, Nguyen Tuan Canh, Nguyen Phuong Hoai Nam, Nguyen Nang Dinh,** Determination of Defects in Planar CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub> Perovskite Solar Cells Using a SCAPS-1D Simulation Tool 83
- Vu Minh Anh,** Determination of the Optimum Values of the Natural Frequency of the Nanocomposite Multilayer Organic Solar Cell by using Basic Differential Evolution Optimization Algorithms 95
- Nguyen Xuan Hao, Nguyen Nhat Minh, Ngo Duc Anh, Nguyen Le Ngoc Thu, Huynh Ha Ngoc Duy, Nguyen Bui Gia Man, Doan Nhat Giang, Luong Hoai Nhan, Dang Vinh Quang,** Enhancing Poly(3,4-ethylenedioxythiophene) Polystyrene Sulfonate (PEDOT:PSS) Conductivity by Dimethyl Sulfoxide (DMSO) Dopant 113