

POSTER I

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PI-01 PHOTOLUMINESCENCE OF ZrO_2 : (Eu^{3+} , Cu^{2+}) NANOPARTICLES SYNTHESIZED BY CO PRECIPITATION METHOD

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PI-02 PHOTOLUMINESCENCE OF ZnO NANO FIBER SYNTHESIZED BY ELECTROSPINNING METHOD

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PI-03 SIMULATION OF THE CAPABILITY TO OPEN GRAPHENE BANDGAP OF THE EPOXY FUNCTIONAL GROUP

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PI-04 NONEQUILIBRIUM-GREEN-FUNCTION METHOD IN THE STUDY OF ACOUSTIC PLASMON IN OPTICALLY EXCITED 2D SEMICONDUCTORS

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PI-05 INFLUENCE OF TEMPERATURE AND TIME ON STRUCTURE AND PHYSICAL PROPERTIES OF $\text{g-C}_3\text{N}_4$ SYNTHESIZED THROUGH UREA THERMAL POLYMERIZATION IN AIR ATMOSPHERE

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- PI-06 THE INFLUENCE OF LATTICE CONFIGURATION ON ABSORPTION SPECTRA OF GOLD SUPERLATTICE**
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- PI-07 SYNTHESIS AND OPTICAL PROPERTIES OF TETRAPOD-SHAPED CDTE/CDSE TYPE-II NANOCRYSTALS IN NONCOORDINATING SOLVENT**
N. X. Ca*, N. T. Hien, P. T. Tho, N. T. Luyen. P. M. Tan, L. D. Thanh, P. V. Do and N. T. Binh
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- PI-08 SYNTHESIS AND OPTICAL PROPERTIES OF TERNARY $\text{CdS}_{1-x}\text{Se}_x$ ($0 \leq x \leq 1$) SEMICONDUCTOR NANOCRYSTALS**
Nguyen Xuan Ca*, Nguyen Thi Hien, Nguyen Thi Luyen, Pham Truong Tho, Phan Ngoc Loan, Le Duc Duan, Tran Thi Hong Gam, Nguyen Thi Thao, Vu Thuy Mai, Duong Thi Thanh Thuy, Vu Hong Tuan, Pham Thi Mai Hien, Pham Minh Tan and Phan The Long
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- PI-09 FABRICATION OF ONE-DIMENSIONAL NANOSTRUCTURES ZnO - NANORODS AND NANOTUBES BY LOW TEMPERATURE CHEMICAL ETCHING METHOD**
Nguyen Thi Quynh Nhu, Le Tran Thanh Thi, Le Thi Thu Ngoc, Nguyen Duy Khanh, Le Minh Thien, Nguyen The Thuong, Nguyen Huong Giang, Vo Thi Ngoc Thuy, Lam Quang Vinh, Phan Thi Kieu Loan, Le Vu Tuan Hung
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- PI-10 EFFECT OF DIFFERENT AMARANTH CONCENTRATIONS ON OPTICAL PROPERTIES OF KDP SINGLE CRYSTAL.**
Do Thuy Phuong Trang*, Phan Trung Vinh, Le Thi Quynh Anh, Le Van Ngoc, Huynh Thanh Đạt.
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- PI-11** **EXCITATION POWER DEPENDENT PHOTOLUMINESCENCE OF UNDOPED AND Cu-DOPED HOMOGENEOUS $\text{Cd}_{0.5}\text{Zn}_{0.5}\text{S}$ NANOCRYSTALS**
- Phi Van Thang, Hoang Thi Lan Huong, Tran Anh Quang, Tran Thi Kim Chi, Nguyen Xuan Nghia, Nguyen Thi Thuy Lieu***
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- PI-12** **DETECTION OF LUMINESCENCE CENTERS IN Cu-DOPED CdZnS NANOCRYSTALS BY SYNCHRONOUS FLUORESCENCE SPECTROSCOPY**
- Phi Van Thang, Ho Van Tuyen, Vu Xuan Quang, Nguyen Thi Thuy Lieu, Nguyen Trong Thanh*, Nguyen Xuan Nghia***
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- PI-13** **SPECTROSCOPIC CHARACTERIZATION OF COLLOIDAL $\text{CdSe/CdSe}_x\text{S}_{1-x}$ NANOTETRAPODS**
- Nguyen Thi Thuy Lieu, Nguyen Thi Luyen, Le Ba Hai, Nguyen Xuan Nghia***
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- PI-14** **SYNTHESIZATION AND INVESTIGATION ON PROPERTIES OF Mn DOPED ZnO/MWCNTs NANO COMPOSITE**
- Duong Quoc Van, Tran Minh Thi*, Nguyen Manh Nghia, Truong Thi Thuy, Pham Van Ben, Bui Hong Van**
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- PI-15** **FACILE SYNTHESIS OF Nd-LOADED GRAPHITIC CARBON NITRIDE WITH ENHANCED THE PHOTOCATALYTIC DEGRADATION OF RHODAMINE B**
- Lam Thi Hang*, Dinh Thi Huong, Le Thi Mai Oanh, and Danh Bich Do**
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- PI-16 EFFECT OF OXYGEN PARTIAL PRESSURE ON STRUCTURE AND CHARACTERISTICS OF P-TYPE SnO THIN FILMS FABRICATED BY REACTIVE DC MAGNETRON SPUTTERING**
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- PI-17 SYNTHESIS AND OPTICAL PROPERTIES OF GOLD NANOPARTICLES DOPED ORGANIC-INORGANIC COMPOSITE MATERIAL**
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- PI-18 SYNTHESIS AND CHARACTERIZATION OF $\text{YVO}_4\text{:Eu}^{3+}$ @SILICA-NH₂-FA NANOPHOSPHORS**
Tran Thu Huong*, Ha Thi Phuong, Le Thi Vinh, Hoang Thi Khuyen, Le Dac Tuyen, Nguyen Thanh Huong, Pham Thi Lien, and Le Quoc Minh
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- PI-19 ANALYSIS OF THE SOLAR SPECTRUM FOR HUMAN CENTRIC LIGHTING**
Dao Duc Anh*, Ho Tien Son, Nguyen Hoang Minh, Nguyen Duc Trung Kien, Pham Thanh Huy, Dao Xuan Viet
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- PI-20 RETICULAR CONTROL OF INTERPENETRATION IN A HETEROGENEITY METAL-ORGANIC FRAMEWORK**
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- PI-21 AMPLIFICATION OF ULTRASHORT TITAN - SAPPHIRE LASER PULSES**
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- PI-22 TEMPERATURE DEPENDENCE OF RAMAN SPECTROSCOPY AND PHOTOLUMINESCENCE OF CdTeSe ALLOY QUANTUM DOTS**
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- PI-23 NONLINEAR OPTICAL TWEEZERS FOR PLASMID DNA MOLECULES**
Ho Quang Quy, Bui Xuan Kien
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- PI-24 THE INFLUENCE OF THICKNESS ON AMMONIA GAS SENSITIVITY OF REDUCED GRAPHENE OXIDE FILMS**
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- PI-25 LUMINESCENCE QUENCHING OF Sm^{3+} IONS IN LEAD ALUMINO BOROTELLURITE GLASSES**
Vu Phi Tuyen, Phan Van Do, Luong Duy Thanh, Nguyen Xuan Ca, Nguyen Trong Thanh, Nguyen Thi Nga
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- PI-26 BROADBAND NEGATIVE REFRACTIVE INDEX METAMATERIALS IN OPTICAL FREQUENCIES BASED ON HYBRIDIZATION MODEL**
N. T. Hien*, N. X. Ca, B. V. Chinh, P. T. M. Hien, N. T. Huong and V. D. Lam
Faculty of Physics and Technology, Thai Nguyen University of Science
- PI-27 FABRICATION AND CHARACTERIZATION OF Ag_2O FILMS BY REACTIVE DIRECT-CURRENT MAGNETRON SPUTTERING**
Anh Tuan Mai* and Nguyen Tran Thuat
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- PI-28 THE EFFECT OF TEMPERATURE TO MORPHOLOGY OF NANO STRUCTURE ZnO GROWN BY CVD METHOD**
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- PI-29 THE EFFECT OF ANNEALING TEMPERATURE ON PHOTOELECTRIC PROPERTIES OF ZnO/Cu₂O HETEROJUNCTION**
Nguyen Huu Ke*, Kieu Loan Phan Thi, Dao Anh Tuan, Cao Vinh Tran, Le Vu Tuan Hung
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- PI-30 THE REGENERATION OF CARTILAGE: THE TREATMENT OF LOW POWER SEMICONDUCTOR**
Tran Minh Thai*, Le Quang Tri, Nguyen Van Toan, Trinh Tran Hong Duyen
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- PI-31 LOW POWER SEMICONDUCTOR LASER APPLICATION IN GROWING TOMATOES**
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- PI-32 INFLUENCE OF LOSS COEFICIENTS DEPENDING ON TIME IN THE OPERATION OF TREE MODES RANDOM LASER**
Nguyen Van Phu*, Dinh Van Hoang
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- PI-33 STUDIES A LIDAR SYSTEM USING 600 MM NEWTONIAN TELESCOPE**
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- PI-34 CONTROLLING CROSS-KERR NONLINEARITY OF A SIX-LEVEL
INVERTED Y-TYPE ATOMIC MEDIUM UNDER DOPPLER
BROADENING**
**Nguyen Le Thuy An, Le Van Doai, Dinh Xuan Khoa, Vu Ngoc Sau, and
Nguyen Huy Bang**
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- PI-35 FINITE-ELEMENT SIMULATION OF HYBRID PLASMONIC
SUBWAVELENGTH WAVEGUIDES**
Nguyen Xuan Thau, Pham Van Thin, Ta Van Duong
Le Quy Don Uni., 236 Hoang Quoc Viet, Ha Noi, Vietnam
- PI-36 DETECTION OF TETRACYCLINE IN LOW CONCENTRATIONS BY
SURFACE ENHANCED RAMAN SPECTROSCOPY**
Nguyen Nhu Anh, Nguyen Quang Dong, Ngo Gia Long, Nguyen The Binh.
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- PI-37 INVESTIGATION OF SOME CHARACTERIZATIONS OF BLACK TiO_2
NANOTUBES VIA SPECTROSCOPIC METHODS**
Nguyen Truong Tho, Cao Minh Thi, Le Van Hieu, and Pham Van Viet
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- PI-38 GROWTH AND CHARACTERIZATION OF L-ALANINE DOPED KDP
SINGLE CRYSTALS GROWN BY SANKARANARAYANAN-RAMASAMY
TECHNIQUE**
**Le Van Binh, Phan Trung Vinh, Do Thuy Phuong Trang, Nguyen Tan Dat,
Ho Mai Thanh, Le Van Ngoc, Le Thi Quynh Anh, Huynh Thanh Dat**
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- PI-39 A COMPACT SETUP OF LIGHT SPEED MEASUREMENT FOR
TEACHING PHYSICS IN HIGH SCHOOLS**
**Nguyen Tuan Anh, Phan Van Thuan , Ho Dang Son, Dinh Xuan Khoa and
Nguyen Huy Bang**
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- PI-40 FABRICATION SERS OF NANOROD ZnO/ NANO Ag FOR DETECTING RESIDUAL PESTICIDE**
Pham Hoang Lam, Nguyen Duy Khanh, Nguyen Ha Thanh, Chau Thi My Giao, Truong Duc Nguyen, Nguyen The Thuong, Nguyen Huong Giang, Hoang Luong Cuong, Lam Quang Vinh, Phan Thi Kieu Loan, Le Vu Tuan Hung
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- PI-41 FABRICATION AND CHARACTERIZATION OF GOLD PLASMONIC NANOPARTICLES INCORPORATED ORGANO-LEAD HALIDE PEROVSKITE SOLAR CELLS**
Lien T.D. Thach*, Phuc V. Pham , Oanh T.T. Nguyen, Hieu S. Nguyen, Chung V. Hoang, Long D. Pham, Hoi V. Pham, Chi H. Le**
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- PI-42 MICROWAVE-ASSISTED SYNTHESIS OF NANO METAL-ORGANIC FRAMEWORKS**
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- PI-43 A TECHNIQUE FOR DETERMINING THE CURRENT FIELD OF VIEW DIMENSIONS OF THE UNCOOLED THERMAL CAMERA USING VARIZOOM LENS**
Nguyen Van Binh, Nguyen Dinh Van, Nguyen Quang Minh
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- PI-44 MULTIBAND ANTIREFLECTION COATING ON ZnSe**
Tan Tai Do, L.A. Gubanova, Anh Quang Tran, Thi Thu Hien Nguyen, Huu Phuoc Luu, Son Thach Dinh
Tran Dai Nghia University, 189 Nguyen Oanh, Go Vap, Ho Chi Minh
- PI-45 SYNTHESIS AND CHARACTERIZATION OF SILVER NANOPATES BY A SEED-MEDIATED METHOD**
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- PI-46** **ENHANCING PROTON CONDUCTIVITY IN A METAL-ORGANIC FRAMEWORK AT $T > 80\text{ }^{\circ}\text{C}$ BY ANCHORING STRATEGY**
Hue T. T. Nguyen*, My V. Nguyen, Tien H. N. Lo, Loc . Luu, Thach N. Tu
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- PI-47** **POTENTIAL APPLICATION OF ELECTROOSMOSIS TO DEWATER WET BUILDING WALLS**
Luong Duy Thanh*, Phan Van Do, Nguyen Van Nghia, Vu Phi Tuyen
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- PI-48** **SYNTHESIS AND CHARACTERIZATION OF WHITE LIGHT EMITTING TERBIUM AND EUROPIUM CO-DOPED IN $\text{BaMgAl}_{10}\text{O}_{17}$ PHOSPHOR**
Le Ngoc Liem*, Vo Thi Thanh Truc
Duy Tan University, 03 Quang Trung-Hai Chau-Da Nang
- PI-49** **INVESTIGATION OPTICAL PROPERTIES OF Zn_2GeO_4 DOPED Mn^{2+} , Cr^{3+} SYNTHESIZED THROUGH HYDROTHERMAL METHOD.**
Nguyen Mai Cao Hoang Phuong Lan*, Pham Hung Vuong, Le Thi Thao Vien, Cao Xuan Thang.
Hanoi University of Science and Technology, Advanced Institute For Science and Technology (AIST), Number 1 Dai Co Viet, Hai Ba Trung, Ha Noi
- PI-50** **FLUORESCENCE PROPERTIES OF CaAl_2O_4 DOPED WITH Mn^{4+} AS RED-EMITTING PHOSPHOR FOR WHITE LED**
N. T. K. Chi*, L. T. Vinh, T. T. Vu, V. C. Nguyen, P. T. K. Trung and D. H. Nguyen
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- PI-51** **LUMINESCENCE OF Mn^{4+} DOPED $\text{Sr}_2\text{MgAl}_{22}\text{O}_{36}$ PREPARED BY THE CO-PRECIPIATION METHOD**
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- PI-52** **STUDIES LUMINESCENCE OF Mn^{2+} IN THE $MAI_2O_4:Mn^{2+}$ AND THE INFLUENCE OF Eu^{2+} IN THE INTENSITY PHOTOLUMINESCENCE OF $MAI_2O_4:Eu^{2+},Mn^{2+}$ (M: Ba, Ca, Mg, Sr,Zn)**
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- PI-53** **EFFECT OF RAW MATERIALS AND ANNEALING ON ELECTRICAL AND OPTICAL PROPERTIES OF DIP-COATED SnO_2 FILMS**
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- PI-54** **FABRICATION OF HYBRID PLASMONIC–DIELECTRIC NANOMATERIALS BY LASER ABLATIVE DECORATION OF MICRODIAMONDS BY GOLD NANOPARTICLES**
T. T. H. Nguyen*, A. K. Ivanova, A. A. Ionin, R. A. Khmel'nitskii, S. I. Kudryashov, A. O. Levchenko, N. N. Mel'nik, A. A. Rudenko, I. N. Saraeva, S. P. Umanskayaa,b, D. A. Zayarnya, L. V. Nguyen M. H. Pham, D. V. Pham and T. H. Do
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- PI-55** **FLUORESCENCE ENHANCEMENT OF RHODAMINE-B AND ZnO BY SILVER NANOPARTICLES IN PVP**
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