

POSTER I

Chairperson:

- PI-1. **BLUE AND GREEN EMITTING Eu^{2+} DOPED $\text{Ca}_2\text{MgSi}_2\text{O}_7$ PHOSPHORS FOR WHITE-LIGHT EMITTING DIODES**
T. T. H. Tam, N. D. T. Kien, N. D. Hung, N. Du, N. T K Lien, N Tu, N. D. Chien, P. T. Huy
Advanced Institute for Science and Technology (AIST), Hanoi University of Science and Technology (HUST), Hanoi, Vietnam
- PI-2. **THE EFFECT OF ANNEALING TEMPERATURE AND PH ON SHAPE, CRYSTAL SIZE AND OPTICAL PROPERTIES OF MnWO_4 SYNTHESIZED BY THE CHEMICAL MICROWAVE-ASSISTED METHOD**
Danh Bich Do, Pham Van Hanh, Pham Van Hai, Nguyen Thi Len, Nguyen Thi Van, and Luc Huy Hoang
Hanoi National University of Education
- PI-3. **STUDIES LUMINESCENCE OF Mn^{2+} IN THE $\text{MAl}_2\text{O}_4:\text{Mn}^{2+}$ AND THE INFLUENCE OF Ce^{3+} IN THE PERSISTENCE TIME OF $\text{MAl}_2\text{O}_4:\text{Mn}^{2+}$ (M:Ba,Ca,Mg,Sr,Zn)**
Le Van Thanh Son, Nguyen Van Cuong, Ngac An Bang, Nguyen Trong Thanh
Da nang University of Education
- PI-4. **FERROMAGNETISM IN SOL-GEL COMPOSITES $\text{XCoFe}_2\text{O}_4-(1-\text{X})\text{PbTiO}_3$, Le Thi Mai Oanh and Nguyen Van Minh**
Hanoi National University of Education
- PI-5. **THE OPTICAL AND ELECTRICAL PROPERTIES OF ZnO AND $\text{ZnO}:\text{Ag}$ THIN FILMS DEPOSITED BY SPRAY PYROLYSIS METHOD**
Pham Van Vinh and Le Minh Son
Hanoi National University of Education
- PI-6. **RAMAN STUDY OF TITANIUM DIOXIDE PREPARED BY HYDROLYSIS ROUTE**
Nguyen Cao Khang, Do Minh Thanh, Nguyen Khanh Hoa, Phung Kim Phu and Nguyen Van Minh
Hanoi National University of Education
- PI-7. **SYNTHESIS AND STUDY MATERIALS BiFeO_3 MULTIFERROICS BY DIFFERENT CHEMICAL METHODS**
Dao Viet Thang, Nguyen Van Minh and Du Thi Xuan Thao
University of Mining – Geology, Hanoi
- PI-8. **EFFECTS OF MANUFACTURING TECHNOLOGY ON THE STRUCTURAL AND OPTICAL PROPERTIES OF SM-DOPED ZnWO_4 ,**
Nguyen Manh Hung, Du Thi Xuan Thao and Nguyen Van Minh
University of Mining – Geology, Hanoi

- PI-9. **COLORS OF GRAPHENE (REDUCED GRAPHENE OXIDE) MULTILAYERS ON A SiO₂(300nm)/Si SUBSTRATE**
Tran Quang Trung, Duong Van Long, Tran Viet Cuong, Huynh Tran My Hoa
Ho Chi Minh City University of Science, VNU HCM City
- PI-10. **VISIBLE EMISSION FROM ZnO DOPED WITH RARE-EARTH IONS**
Nguyen Thi Hao, Le Vu Tuan Hung
Ho Chi Minh City University of Science, VNU HCM City
- PI-11. **USING A HOME-MADE ULTRA-SHORT PULSE I-V MEASUREMENT SYSTEM FOR CHARACTERIZING CHARGE-TRAPPING BEHAVIOR IN MOS DEVICES**
Tran Quang Nguyen, Tran Minh Dao, Tran Quang Trung
Ho Chi Minh City University of Science, VNU, HCM City
- PI-12. **THE INFLUENCE OF SPUTTERING POWER ON PHOTOELECTRIC CHARACTERIZATION OF n-ZnO:In/ p- Si HETEROJUNCTION GROWN BY DC MAGNETRON SPUTTERING**
Tran Thi Thuy, Dao Anh Tuan, Le Vu Tuan Hung
Ho Chi Minh City University of Science, VNU, HCM City
- PI-13. **ADVANCED OPTICAL AND ELECTRICAL PROPERTIES OF TRANSPARENT CONDUCTIVE MULTILAYER FILMS BASED ON THE CONTINUITY OF AG LAYER**
Tran Hoang Cao Son, Le Phuc Quy, Le Hoang Nam, Vu Thi Hanh Thu, Le Tran and Nguyen Nang Dinh
Ho Chi Minh City Institute of Physics, VAST
- PI-14. **THE P3HT: PCBM RATIO EFFECT ON PROPERTIES OF BULK-HETEROJUNCTION INORGANIC- ORGANIC SYSTEM OF ITO/ZnO FILM /P3HT: PCBM**
Son Hoang Cao Tran, Quoc Kien Luu, Ngoc Pham Kim, Top Khac Le, Nhan Thuc Chi Ha, Dinh Nang Nguyen, Hieu Van Le
Ho Chi Minh City Institute of Physics, VAST
- PI-15. **USING A HOME-MADE μ TAS SYSTEM FOR CHARACTERIZING THE QUENCHING PHENOMENA OF PCBM IN MEH-PPV CONJUGATED POLYMER SOLUTION**
Tran Hong Nhan, Tran QuangTrung
Ho Chi Minh City University of Science, VNU, HCM City
- PI-16. **FABRICATED ZnO:Sb THIN FILMS BY THE SOL – GEL METHOD**
Dang Vinh Quang, Bui Thi Thu Hang, Tran Tuan and Dinh Son Thach
Ho Chi Minh City University of Science, VNU HCM City
- PI-17. **INVESTIGATION OF OPTICAL PROPERTIES OF SrAl₂O₄:Eu²⁺ AND SrAl₂O₄:Eu²⁺ CO-DOPED Dy³⁺ PHOSPHORS SYNTHESIZED BY COPRECIPITATION METHOD**

N.V. Du, N. T. Huy, Nguyen Tu, T. T. H. Tam, L. T. Ha, D. Q. Trung, N. D. Hung, and P. T. Huy

Advanced Institute for Science and Technology (AIST)Hanoi University of Science and Technology (HUST)

PI-18. FORBIDDEN FREQUENCY BANDGAP OF HIGH IMPEDANCE SURFACE STRUCTURES

Tran Manh Cuong, Ho Tuan Hung, Vuong Van Cuong

Hanoi National University of Education, Ha Noi

PI-19. PHOTOLUMINESCENCE PROPERTIES AND JUDD- OFELT ANALYSIS OF Eu³⁺ IONS IN TELLURITE GLASSES

Tran Thi Hong, Phan Tien Dung, Vu Xuan Quang and Phan Van Do

Da Nang University of Education

PI-20. Composition dependence of spectroscopic and structural properties of the Eu³⁺ ions in the heavy metal glasses

Ho Van Tuyen, Huynh Ngoc Toan, Seng-Thoong, Vu Xuan Quang, Ngo Van Tam

Duy Tan University, Da Nang

PI-21. AUTOFLUORESCENT PROPERTIES OF LIVER

Nguyen Thi Khanh Van, Nguyen Dinh Hoang, Nguyen Cong Thanh, Nguyen Thanh Binh

Institute of physics, VAST

PI-22. COMPARATIVE STUDY ON OPTICAL PROPERTIES OF CdSe/ZnS AND CdZnSe/ZnSSe ALLOY QUANTUM DOTS

Nguyen Hai Yen, Nguyen Ngoc Hai, Vu Thi Hong Hanh, Le Van Vu, Ngo Quang Minh, Bùi Huy, Nguyen Xuan Nghia and Pham Thu Nga

Institute of Materials Science, VAST

PI-23. SYNTHESIS ZnO – CuO NANOCOMPOSITE AND THEIR PHOTOCATALIC ACTIVITY

Nguyen Dang Phu, Nguyen Van Hung, Nguyen Thi Thuy and Danh Bich Do

Hanoi National University of Education

PI-24. RAMAN STUDY OF THE VARIABILITY IN NANOMECHANICAL BEHAVIOUR OF SILK FIBRES

Dinh Hung Manh, Vu Thi Yen and COLOMBAN Philippe

Hanoi National University of Education

PI-25. SYNTHESIS AND ENHANCED LUMINESCENCE OF INDIUM PHOSPHIDE NANOCRYSTALS

Ho Minh Trung, Nguyen Duy Thien, Le Van Vu, Nguyen Ngoc Long and Truong Kim Hieu

Ho Chi Minh University of Science, VNU HCM City

PI-26. THE OPTICAL PROPERTIES OF ZnS:Cu/POLYVINYL PYRROLIDON

NANOCOMPOSITE SYNTHESIZED BY CHEMICAL METHOD

Vu Thi Thanh Loan, Dang Van Thai , Tran Minh Thi, Pham Van Ben

Hanoi National University of Education

- PI-27. **PHOTOCATALYTIC COMPOSITES BASED ON Zn_2SnO_4 AND CARBON NANOTUBES**
Nguyen Thi Khanh Hoa, Do Minh Thanh, Nguyen Cao Khang, Phung Kim Phu and Nguyen Van Minh
Hanoi National University of Education
- PI-28. **THE EFFECTS OF THE TEMPERATURE AND TIME SHELL GROWTH TO OPTICAL PROPERTIES OF TYPE II CdS/ZnSe CORE/SHELL NANOCRYSTALS**
Nguyen Xuan Ca, Nguyen Trung Kien and Nguyen Xuan Nghia
University of Science – Thai Nguyen University
- PI-29. **THE MICROWAVE ASSISTED SYNTHESIS AND CHARACTERIZATION OF NiWO_4 NANOPARTICLES**
Pham Van Hanh, Pham Thi Da Nguyet, Pham Van Hai and Luc Huy Hoang
Hanoi National University of Education
- PI-30. **STUDY OF SIMULATED RAMAN SCATTERING EFFECT IN THE SILICA-ALUMINA FIBERS**
Pham Thanh Son, Nguyen The Anh, Nguyen Thuy Van, Bui Huy, Ha Xuan Vinh, Bui Trung Ninh and Pham Van Hoi
Institute of Materials Science, VAST
- PI-31. **FIBER BRAGG GRATING SENSORS WITHOUT WAVELENGTH MEASUREMENT**
Nguyen The Anh, Pham Thanh Son, Nguyen Thuy Van, Hoang Thi Hong Cam, Ngo Quang Minh, Bui Huy and Pham Van Hoi
Institute of Materials Science, VAST
- PI-32. **OPTICAL PROPERTIES OF SPHERICAL ZnS**
Dinh Son Thach and Nguyen Van Tho
Ho Chi Minh University of Science, VNU HCM City
- PI-33. **SYNTHESIS AND APPLICATION OF GRAPHENE-SILVER NANOWIRES “COMPOSITE” FOR AMMONIA GAS SENSING,**
Tran Quang Trung, Huynh Tran My Hoa, Tong Duc Tai, Tran Van Tam, Nguyen Nhat Quang,
Ho Chi Minh University of Science, VNU HCM City
- PI-34. **PREPARATION OF SILVER NANOPARTICLES WITH PULSE LASER 1064nm**
Luu Mai Loan, Le Thi Quynh Anh, Phan Thanh Nhat Khoa, Dang Mau Chien
Ho Chi Minh University of Science, VNU HCM City
- PI-35. **SYNTHESIS AND CHARACTERIZATION OF CdSe/ZnS CORE/SHELL**

QUANTUM DOTS FOR BIOSENSOR APPLICATIONS

Vo Thi Ngoc Thuy, Nguyen Thanh Phuong, Nguyen Thi Ha Trang, Lam Quang Vinh

Ho Chi Minh University of Science, VNU HCM City

- PI-36. **THE STUDY OF PHOTOCATALYTIC PROPERTIES OF TiO₂ BASED NANOCOMPOSITE MATERIAL BY MEAN OF THE OPTICAL SPECTROSCOPIES**
Nguyen Thi Mai Huong, Le Thi Thu Huong, Hoang Chung Hieu, Le Van Truyen, Tran Thi Duc, Vu Thi Bich and Nguyen Trong Tinh
Institute of Applied Physics and Scientific Instrument VAST
- PI-37. **SYNTHETIC STUDY OF ZnO NANOPARTICLES EMBEDDED IN TRIETHANOL AMINE USING A WET CHEMICAL METHOD**
Nguyen Van Hien, Tran Quynh, Pham Hai Dinh, Pham Tan Thi, Dinh Son Thach
Ho Chi Minh University of Science, VNU HCM City
- PI-38. **EFFECT OF PHOSPHINE-FREE SELENIUM PRECURSOR SOLUTION FOR SEMICONDUCTOR NANOCRYSTAL GROWTH**
Nguyen Thi Luyen, Nguyen Xuan Nghia, Nguyen Kien Cuong, Nguyen Thi Thuy Lieu
University of Science – Thai Nguyen University.
- PI-39. **OPTICAL PROPERTIES OF Mn HEAVILY DOPED ZnO NANOPARTICLES PREPARED BY HYDROTHERMAL METHOD**
Nguyen Tu, Nguyen Van Dung, Nguyen Duy Hung, Do Van Nam and Pham Thanh Huy
Advanced Institute for Science and Technology (AIST), University of Science and Technology (HUST,) Hanoi
- PI-40. **SYNTHESIS AND OPTICAL PROPERTIES OF ONE-DIMENSIONAL ZnS/ZnO NANOSTRUCTURES**
Do Quang Trung, Pham Thanh Huy, Nguyen Duy Hung, Nguyen Tu, Le Thi Thu Huong and Tran Ngoc Khiem
Advanced Institute for Science and Technology (AIST), University of Science and Technology (HUST,) Hanoi
- PI-41. **LIFETIME SHORTENING IN COPPER DOPED ZINC SULPHIDE NANOCRYSTALS**
Tri Tuan Nguyen, Trung Kien Nguyen Duc, Duy Hung Nguyen and Thanh Huy Pham
Advanced Institute for Science and Technology (AIST), University of Science and Technology (HUST,) Hanoi
- PI-42. **MORPHOLOGIES AND PHOTOLUMINESCENCE PROPERTIES OF ZNO NANOSTRUCTURE FABRICATED BY TWO – STEP PROCESS**
Dinh Thi Mong Cam, Tran Ngo Bao Ngoc, Vu Duc Lan, Pham Nguyen Nhat Minh, Nguyen Thanh Binh
Ho Chi Minh University of Science, VNU HCM City
- PI-43. **GROWTH AND OPTICAL PROPERTIES OF SELF-ORGANIZED PLASMONIC**

SILVER NANOPARTICLES ARRAYS

Vu Duc Chinh, Michael Caminale, Francesco Bisio and Maurizio Canepa

Institute of Materials Science, VAST, Hanoi

PI-44. **OPTICAL TRAPPING OF COLD NEUTRAL ATOMS BY USING THE NANOTUBES**

Nguyen Thi Phuong Lan, Do Thi Nga and Nguyen Ai Viet

Hanoi Pedagogical University 2, Xuan Hoa, Vinh Phuc

PI-45. **OPTICAL PROPERTIES OF Eu^{2+} - DOPED $\text{BaO.MgO.Al}_2\text{O}_3$ PHOSPHOR PREPARED BY COMBUSTION METHOD**

Nguyen Trong Thanh, Vu Thi Thai Ha, Nguyen Manh Son

Institute of Materials Science, VAST

PI-46. **EFFECT OF ANTIMONY DOPING PERCENTAGE ON OPTICAL AND ELECTRICAL PROPERTIES OF TRANSPARENT CONDUCTING THIN FILM *p* TYPE ANTIMONY-DOPED TIN DIOXIDE (ATO)**

Nguyen Si Hoai Vu, Dang Huu Phuc, Le Tran, Le Van Hieu

University of Science, VNU-HCM

PI-47. **THE ROLE OF FLUORINE AND ALUMINUM IN LUMINESCENCE SPECTRA OF EUROPIUM DOPED BORO-TELLURITE GLASSES**

Phan Thi Viet Ha, Nguyen Thi Thuy Nhung, Nguyen Thi Xuan Dieu, Nguyen Phuoc The, Ngo Van Tam

Duy Tan University, Danang

PI-48. **INVESTIGATION OF OPTICAL PROPERTIES ON Sm^{3+} DOPED K_2YF_4 POLYCRYSTALLINE**

Doan Tuan Anh, Ngo Thi Huong, Vu Phi Tuyen, Phan Van Do, Nguyen Duc Van, Nguyen Trong Thanh

Institute materials of Science, VAST, Hanoi

PI-49. **OPTICAL AND STRUCTURAL PROPERTIES OF ZnO FILMS GROWTH ON SILICON SUBSTRATE BY MOCVD**

Nguyen Thanh Binh

Institute of Physics –VAST

POSTER II

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S.A. Tikhomirov, O.V. Bugarov, A.N. Ponyavina, Nguyen Dai Hung, G.P. Shevchenko, V.A. Zhuravkov
B. I. Stepanov Institute of Physics NASB; ; Institute of Physics VAST
- PII-2. **ANTIBACTERIAL DRUGS AS PHOTSENSITIZERS FOR ANTIMICROBIAL PHOTODYNAMIC THERAPY**
A.I. Tretyakova, A.V.Mikulich, L.G. Plavskaya, M.V.Parkhats, A.S.Stasheuski, V.Yu.Plavskii
B. I. Stepanov Institute of Physics NASB
- PII-3. **PHOTOCHEMICAL REACTIONS IN MOLECULES OF BILIRUBIN UPON DIRECT LASER EXCITATION OF DISSOLVED MOLECULAR OXYGEN IN IR-BAND**
V.Yu.Plavskii, A.I. Tretyakova, A.V.Mikulich, L.G. Plavskaya, A.S.Grabtchikov, I.A.Khodasevich, V.A. Orlovich
B. I. Stepanov Institute of Physics NASB
- PII-4. **REGULATORY ACTION OF LASER RADIATION OF RED AND NEAR INFRARED SPECTRAL REGIONS ON THE ZOOPLANKTON *ARTEMIA SALINA* L**
V.Yu.Plavskii, N.V.Barulin, A.S.Grabtchikov, I.A.Khodasevich, L.G. Plavskaya, A.I. Tretyakova, A.V.Mikulich, V.A. Orlovich
B. I. Stepanov Institute of Physics NASB
- PII-5. **USE OF REMOTE AND LOCAL AEROSOL MONITORING DATA TO REVEAL THE AEROSOL SOURCE-REGIONS**
Vitali Kabashnikov, Anatoli Chaikovsky, Bogdana Kazeruk, Natallia Miatselskaya, Nguyen Dai Hung, Nguyen Thanh Binh, Vu Thi Bich
B. I. Stepanov Institute of Physics NASB; Institute of Physics VAST
- PII-6. **MULTI-WAVELENGTH SOURCE OF CONTINUOUS-WAVE LASER RADIATION IN THE VISIBLE AND NEAR INFRARED RANGES.**
P.V.Shpack, A.A.Kononovich, V.A.Orlovich, A.S.Grabtchikov*, Pham Long, Do Quoc Khanh, Nguyen Dai Hung
B. I. Stepanov Institute of Physics NASB; Institute of Physics VAST
- PII-7. **OPTICAL PROPERTIES OF TWO-LAYERED NANOPARTICLES WITH GOLD CORE AND MATERIAL SHELL** V. K. Pustovalov, L.G. Astafyeva B. I. Stepanov Institute of Physics NASB
- PII-8. **OPTIMAL DESIGN STUDY OF HEAT SINK USED FOR HIGH POWER LED**

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Nguyen Nhu Nam, Dinh Van Quyen, Dao Xuan Viet, Nguyen Duc Trung Kien, Nguyen Duc dung, Ta Quoc Tuan and Pham Thanh Huy

Advance Institute for Science and Technology & International Materials Science, Hanoi University of Science and Technology.

PII-9. SIMULATION STUDY OF HEAT TRANSFER AND CONVECTIVE PHENOMENA IN THE HIGH POWER LED BULB

Dinh Van Quyen, Nguyen Nhu Nam, Dao Xuan Viet, Nguyen Duc Trung Kien, Nguyen Duc Dung, Ta Quoc Tuan and Pham Thanh Huy

Advance Institute for Science and Technology & International Materials Science, Hanoi University of Science and Technology.

PII-10. ELECTRONIC STRUCTURE OF OXYGEN VACANCIES IN SrTiO_3 USING AB INITIO METHOD

Do Duc Cuong, Hoang Anh Tuan Kiet and Jaichan Lee, Faculty of Physics and Engineering Physics, University of Sciences

PII-11. DYNAMIC OF NANOPARTICLE IN KERR MEDIUM UNDER OPTICAL TWEEZER

Quang Quy Ho, Van Nam Hoang, Dinh Trung Thai, Van Lanh Chu, Thanh Le Cao, Doan Thanh Thai

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PII-12. ELECTRO-OPTICAL CHARACTERIZATION OF HIGH-POWER DISTRIBUTED FEED BACK DIODE LASERS FOR HIGH RESOLUTION RUBIDIUM SPECTROSCOPY,

Thanh-Phuong Nguyen and Tran Quoc Tien

Institute of Materials Science, VAST

PII-13. MEASUREMENT OF JUNCTION TEMPERATURE OF HIGH POWER LASER DIODES AND LIGHT-EMITTING DIODES

Vu Doan Mien, Tran Quoc Tien, Tong Quang Cong and Do Thi Thanh

Institute of Materials Science, VAST

PII-14. CALCULATION OF VIBRATIONAL INTENSITY DISTRIBUTION IN THE $21\text{H} \leftarrow 11\Sigma^+$ BAND SYSTEM OF NAL

Nguyen Tien Dung, Nguyen Van Thinh, Le Thi Minh Phuong, Phan Van Thuan, Le Canh Trung, Doan Hoai Son and Nguyen Huy Bang

Vinh University

PII-15. STUDY THE PHOTOTHERMAL EFFECT OF GOLD NANOPARTICLES IN TISSUE TO APPLY FOR CANCER THERAPY

Vu Thi Thuy Duong, Nghiem Thi Ha Lien, Do Quang Hoa and Tran Hong Nhung

Institute of physics, VAST

PII-16. INFLUENCES OF GAMMA DOSES ON OPTICAL PROPERTIES OF CDTE QUANTUM DOT

Nguyen Dinh Hoang, Nguyen Thi Khanh Van, Vu Thi Bich, Tran Duc Thiep and

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Institute of Physics, VAST

PII-17. STUDY OF THE NITRIC OXIDE DISSOCIATION AND ABSORPTION COEFFICIENTS OF HUMAN NEUROGLOBIN

Do Thi Nga, Chu Thuy Anh, Nguyen Thi Phuong Lan and Nguyen Ai Viet

Institute of Physics, VAST, Hanoi

PII-18. INFLUENCE OF PROCESS PARAMETERS DURING PULSED Nd:YAG LASER CUTTING OF SHEET METALS

Do Xuan Tien, Giang Manh Khoi, Nguyen Van Dong, Trinh Dinh Chien

National Center for Technology Progress, Hanoi

PII-19. RESEARCH ON MANUFACTURING TARGET SIMULATION MODUL, IMAGE PROCESSING METHOD IN CAPTURING AND HOLDING TARGET

Giang Manh Khoi, Pham Chi Hieu, Vu Van Lieu, Do Xuan Tien, Trinh Dinh Chien

Center for Technology Progress (NACENTECH), Hanoi

PII-20. A NEW RESEARCH RESULTS ON THE APPLICATION OF QUANTUM DOTS AS BIOSENSORS TO DETECT PESTICIDES

Nguyen Ngoc Hai, Nguyen Hai Yen, Dao Tran Cao, Phan Tien Dung and Pham Thu Nga

Institute of Materials Science, VAST, Hanoi

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Tran Van Tien, Nguyen Van Hung, Tran Hoang Misa, Pham Thi Hai Mien, Huynh Quang Linh

University of Technology – VNU HCM city

PII-22. CHARACTERISTIC OPTICS OF CDSE QDS, TiO₂/CdSe, TiO₂/MPA/CdSe FILMS AND APPLICATION IN SOLAR CELLS

Tung Ha Thanh, Quang Vinh Lam, Thai Hoang Nguyen, Thanh Dat Huynh

Dong Thap University

PII-23. MICROSCOPE SYSTEM FOR LOCALIZATION IN TISSUES OF A CONTRAST AGENT USING TIME-GATED FLUORESCENCE OF LANTHANIDES

Nghia T. Nguyen, Jean-Michel Tualle, Eric Tinet, Frédéric Chaubet, Graciela Pavon-Djavid

Institute of Physic, VAST

PII-24. NOVEL RESULTS OF DISEASE TREATMENTS USING INTRAVASCULAR LASER TECHNIQUE IN THAI NGUYEN PROVINCIAL HOSPITALS

Bui Van Thien, Hoang Van Toan, Le Thi Nga, Pham Van Hoi

Thai Nguyen University of Sciences

PII-25. THE APPLICATION OF LOW POWER LASER THERAPY ON DIABETICS TYPE II GET LEG ULCERS

Tran Minh Thai, Can Van Be, Nguyen Duong Hung, Nguyen Minh Chau, Nguyen Dinh

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University of Technology Ho Chi Minh City

- PII-26. **MODELING LASER CAVITY WITH DIODE-SIDE-PUMPED ROD USING LASER ANALYSIS AND DESIGN SOFTWARE**

Do Xuan Tien, Giang Manh Khoi

National Center for Technology Progress, Hanoi

- PII-27. **INFLUENCE OF NONLINEAR FREQUENCY CHIRP FOR THE SUPER-GAUSSIAN PULSE PROPAGATION IN FIBER OPTICAL COMMUNICATION**

Truong Thi Thuy, Trinh Dinh Chien, Giang Manh Khoi, Bui Xuan Kien

Hanoi University of Sciences, VNU Hanoi

- PII-28. **USING LOW POWER SEMICONDUCTOR LASER TO TREAT FOR PATIENTS HAVE DIFFERENT FRACTURES ON BONE**

Tran Minh Thai, Trinh Tran Hong Duyen, Ngo Thi Thien Hoa, Tran Tuan Kha, Pham Tran Tam Anh

University of Technology Ho Chi Minh City

- PII-29. **DESIGN AND FABRICATION OF HIGH COLOR RENDERING INDEX FLAT PANEL LED LAMP**

Giang Duong Thi, Tuan Chu Anh, Thuy Tran Thanh, Nam Vu Binh, Huy Pham Thanh, Chien Nguyen Duc and Duong Pham Hong

Institute of Materials Science, VAST, Hanoi

- PII-30. **A MODEL FOR AVALANCHE PHOTODIODES IN THE DESIGN OF LOW-LEVEL OPTICAL SIGNALS RECEIVER SYSTEMS**

Minh Nguyen Quang, Tuan Ta Van

National Center for Technology Progress, Hanoi

- PII-31. **OPTICAL EVALUATION OF THE INFRARED AFOCAL LENS**

Minh Nguyen Quang, Tuan Ta Van

National Center for Technology Progress, Hanoi

- PII-32. **INFLUENCE OF POSITION SIGNAL TO BISTABILITY CHARACTERISTICS OF NONLINEAR MICHELSON INTERFEROMETER**

Nguyen Van Hoa, Nguyen Manh An and Hoang Nguyen Cam Tu

Hong Duc University, Thanh Hoa City

- PII-33. **PREPARATION OF THE HIGH POWER LASER DIODE EQUIPMENT WORKING IN THE RED AND IR SPECTRAL REGIONS FOR THERAPY**

Tran Minh Van, Nguyen Van Hieu, Vu Doan Mien, Tran Quoc Tien, Tong Quang Cong and Pham Van Truong

Institute of Materials Science, VAST

- PII-34. **STUDY TO DETERMINE THE LIDAR CONSTANT**

Bui Thi Thanh Lan, Quach Trung Dong, Tran Ngoc Hung

University of Mining and Geology - Hanoi

- PII-35. **IMPROVEMENT OF FOCAL LENGTH MEASURING FEATURE OF OCK-2II/J OPTICAL BENCH BY IMAGE PROCESSING**
Tran Anh Quang, Le Duy Tuan, Dương Chí Dũng, Le Hoang Hai,
Le Qui Don Technical University, Hanoi
- PII-36. **SOME PROBLEMS IN RECORDING HOLOGRAMS OF THE DISTANT VIRTUAL OBJECTS OF LARGE ANGLE SIZE**
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- PII-37. **NOVEL RESULTS OF DISEASE TREATMENTS USING INTRAVASCULAR LASER TECHNIQUE IN THAI NGUYEN PROVINCIAL HOSPITALS**
Bui Van Thien, Hoang Van Toan, Le Thi Nga, Pham Van Hoi
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- PII-38. **APPLY A NUMBER OF ALGORITHMS TO LIDAR DATA PROCESSING**
Bui Thi Thanh Lan, Du Thi Xuan Thao, Tran Ngoc Hung
University of Mining and Geology, Ha Noi
- PII-39. **INFLUENCE OF GAIN AND LOSS COEFFICIENTS DEPENDING ON TIME IN THE OPERATION OF THREE MODES RANDOM LASER**
Nguyen Van Phu, Dinh Van Hoang
Vinh University
- PII-40. **3D HDR ANAGLYPH IMAGES: DESIGNING AND A SURVEY**
Vinh Phan Trung, Anh Quynh Le, Tran Le
Ho Chi Minh City University of Science, VNU HCM