

# Poster Section

(A) Nanomaterials and Nanostructure		
ID	Authors	Title
PA01	Kenichi Matsumoto, Shuichi Torii	Research On The Energy Utilization With Carbon Neutral Material
PA02	Ching-Hua Wei, Wu-Chung Sue, and Ching-Min Chang	Fabrication On Cdse/Tio <sub>2</sub> Composite Solar Cell
PA03	Ching-Huei Wang, Chun-Liang Chen, and Hung-Shan Weng	Nanometal-Oxide Catalysts For The Simultaneous Reductions Of SO <sub>2</sub> And NO
PA04	Hau Lin, Yi-Sheng Wang , and Chung-Min Lien	A Study Of Application Of Carbon Paste Electrode Modified With Ferrocene And Platinum Nanoparticles To The Hydrogen Peroxide Sensor
PA05	Hsiao-Cheng Chien, Bo-Ying Lin, Chun-Rong Lin, Mei-Li Chen, Geng-Ben Chen, Geng-Hao Jhang, Chung-Chun Wu	Preparation And Characterization Of Orthochromite Nanopowders
PA06	Cheng Chien Wang, Chen Kun Lin	Regeneration Of NBR Colloid
PA07	Ya-Fen Wu, Jeng-Kuang Huang, Hung-Pin Hsu, Jiunn-Chyi Lee, Ming-Tse Kuo, Yi-Yan Liou, Pong-Hong Yang, and Hung-You Wu	Characterization Of CuIn <sub>1-x</sub> Ga <sub>x</sub> Se <sub>2</sub> Thin Films By X-Ray Diffraction Line Profile Analysis

PA08	Ching-Huei Wang , Chun-Liang Chen	Preparing An Active Nano Nickel Oxide Catalyst For The Catalytic Reduction Of Greenhouse Gas CO <sub>2</sub> With H <sub>2</sub> As A Reducing Agent
PA09	X. S. Deng, H. Zhong, Yuan-Chang Liang	Thermal Annealing Induced Changes In Characterization Of ZnO/Ru/ZnO Multilayer Nano-Thin Films
PA10	Jung-Chuan Fan, Chi-Chung Chang, Huang-Huei Sung and Chun-Rong Lin	The Optical Property And Thermally Stimulated Current In ZnO Thin Films Grown By RTCVD
PA11	Ming-Ching Hsu, Ming-Shying Tsai, Li-Ping Lu	Low Temperature Synthesis Of Pure Yag:Ce Phosphors By Novel Solid-State Reaction Method
PA12	Chia-Yen Hu, Yuan-Chang Lian	Formation And Characterization Of Zn-Ti-O Ternary Nanowires By Solid-State Reaction
PA13	C.-H. Cheng, Chia-Yen Hu, Yuan-Chang Liang	Annealing Effects On Physical Properties Of Dual-Phase ZnO Nanostructures
PA14	Chien-Lum Huang, Yuan-Chang Liang	Growth And Morphology Of Ternary Zn-Sn-O Spinel Single Crystal Nanowires
PA15	Hsun-Tsing Lee, Hsiao-Chieh Chen and Chih-chi Chen	Structure And Physical Properties Of The Waterborne Polyurethanes/Silica/Silver Nanocomposites
PA16	Yao Wen Hsu, Chia ChingWu, Cheng Fu Yang and Chean Cheng Su	Properties Of Metal Oxide Reinforced-Carbon Nanotube Nanocomposites
PA17	Chun-Ming Lin, Lee-Long Han, Yih-Shiun Shih	A Study Of TiCN Film Deposited On NAK80 Mold Steel
PA18	Shang-Chuan Kuo, James Yang, Yan-Li Jiang , Kun-Dar Li	The Effect Of Temperature On The Radiation-Induced Nanostructure Formation: A Model Study
PA19	Chun-Shen Cheng, Mark Ching-Cheng Lin, Wen-Chi Chen	Synthesis Of Diamond-Like Carbon Film And Carbon Nanotube Film For Application Of Thermal Management

PA20	Chueh-Jung Huang, Hui-Ling Chen , Meng-Chun Yen , Chorng-pyng Tasi , Ruei-Sung Yu	Preparation Of CZTS Thin Films By Wet Chemical Method
PA21	Kun-Dar Li	Dynamics Of Nanodot Formation On Irradiated Thin Films
PA22	Ching-Feng Mao and Shan-Hung Lin	Polylactic Acid Particles Prepared By Emulsion And Solvent Evaporation Method
PA23	Hsin-Jiant Liu, Li-Huei Lin and Shu-Yuan Hsu	PLGA-PEG-PLGA/Organic Montmorillonite Nanoparticles For Aspirin Release Of Microspheres
PA24	Yung-Lin Huang ,Ying-Chieh Lee, Yi-Bin Chen	A Study Of Nickel-Chromium-Silicon Thin Film Deposited By Co-Sputter
PA25	Cheng-Chien Wang, Yu-Chin Hsu, Ming-Yeh Chuang	Study Of Polymer-Supported Catalyst Used In Sodium Borohydride Reaction Of Hydrogen Generation
PA26	M. H. Shih, T. T. Lin, M. Y. Hsiao, H. J. Su, H. C. Hu, K. Y. Jhuang	Syntheses Of Tetradente Ligands And Novel Nickel Complexes With Imidazole, Chloroformyl Arylhydrazine And Salicylaldehyde Moieties
PA27	Ching-Dong Hsieh, Yao-Chen Liu, Cha-Ling Cho and Chih-Hao Li	Synthesis And Liquid Crystal Photo-Alignment Properties Of Polymethacrylate Copolymers Containing Cinnamate Side Group
PA28	Hong-Ru Lin, Pei-Csang Chang, Yiu-Juan Lin	Pluronic-Chitosan Nano-Micelle As An Ocular Delivery System
PA29	Mei-Li Chen, Chun-Chieh Fang, and Chun-Rong Lin	Synthesis Of Mn-Doped Zinc Blende ZnSe Nanocrystals

PA30	En-Xian Lin, Hong-Syu Su, Wei-Chin Chang, Sheng-Chang Wang	Synthesis And Characterization Of A Tri-Metal Catalyst Used For The Water Electrolyzer And Fuel Cell
PA31	Wei-Tung Liao, Bau-Feng Ke, Cheng-Ho Chen	Synthesis And Characterization Of Sulfonated Polyfluoroether Sulfone Copolymer Menbranes For Fuel Cell Applications
PA32	Lydia Anggraini, Ryohei Yamamoto and Kei Ameyama	Strengthening And Toughening Silicon Carbide Ceramics By Dispersing Of Nanoparticles Zirconia
PA33	Ya-Ting Chuang, Shin-Pon Ju and Che-Hsin Lin	Hydrogen Absorption And Current Decoupling Performance Of A CE/EC Chip With Novel Palladium Nanorod Electrodes
PA34	Tzu-Yao Tai 、 Han-Yu Wu 、Ssu-Yi Chen	A Study On Micro-Hole Machining Of Polycrystalline Diamond And The Addition Of Nickel Powder Into A Micro-EDM Dielectric
PA35	Hsiu-Jung Chiu and Jiang-Wen You	Microstructure Of Poly(Trimethylene Terephthalate)/Poly(Ethylene-1,4-Cyclohexylene Dimethylene Terephthalate) Blends Studied Via Small Angle X-Ray Scattering
PA36	Yu-ming Shen, Shih-Kai Shu ,Sheng-chang wang	Synthesis Of Copper Sulfide Nanoparticles By Hydrothermal Method
PA37	Yu-Chu M. Li, Chao-Ming Huang, and Ren-Hao Tsai	Preparation Of Nano-Sized Silver Vanadates: Characterization And Photocatalytic Activity
PA38	Sheng-Chang Wang, Ling-Ya Hung, Jow-Lay Huang	Photocatalytic Activity Of SBA-15 Silica-Supported Titania Photocatalysts
PA39	S.-C. Wang, Y.-J. Siao, C.-R. Lin, W.-C. Chang, H.-C. Lin	Single Crystalline Bismuth Telluride Powders By Polyol Process
PA40	Chia-Yun Chen	Preparation, Structure And Antireflection Properties Of Vertically Aligned Si Nanowire Arrays

PA41	Jia-Shiang Su	Investigation On CNTS Growth Of One-Pulse Discharge With Shield
PA42	Wen-Chang WU, Chuan-wei Wu	Preparation Of Nanosize Gadolinia-Doped Ceria Electrolyte For SOFCS By A Novel Hydrothermal Method
PA43	Chun-Yuan Lin, Hsyi-En Cheng	Fabrication Of SnO <sub>2</sub> Nanotubes Through AAO Tamplate Approach
PA44	Sergei Alexandrov, Yeau-Ren Jeng and Yeong-Maw Hwang	Formation Of A Layer Of Fine Grains In The Vicinity Of Frictional Interfaces In Extrusion
PA45	Sheng-Chang Wang, Pramoda K. Nayak, You-Ling Chen, James C. Sung, Jow-Lay Huang	Growth Of Single Crystal SiC By Liquid Phase Epitaxy Using Sm/Co As Unique Solvent
PA46	Yih-Chien Chen, Kuang-Chiung Chang, Ming-De Chen and Shi-Li Yao	Microwave Dielectric Properties Of 0.4ND(Mg <sub>0.4</sub> Zn <sub>0.1</sub> Sn <sub>0.5</sub> )O <sub>3</sub> -0.6Ca <sub>0.8</sub> Sr <sub>0.2</sub> TiO <sub>3</sub> Ceramics With B <sub>2</sub> O <sub>3</sub> Additive
PA47	Po-Ling Huang, Yu-Chun Lo and Chien-Hsin Yang	Enhancing The Performance Of Poly(2,5-Dimethoxyaniline)-Based Electrochromicdevices Via Insertion Of A TiO <sub>2</sub> Buffer Layer
PA48	Ting-Wei Yang , Sheng Chang Wang	Effects Of Sodium Oleate For Synthesis Of SnO <sub>2</sub> Nanoparticles By Thermal Decomposition Method
PA49	Huang-Huei Sung, Zhuo-Hua Zhong , Jiun-Tzuen Tsai, Chen-Yi Huang, Jung-Chuan Fan, Chun-Rong Lin	Study Of Substrate-Induced Strain In Lanthanum Titanate Thin Films
PA50	Huang-Huei Sung, Zhuo-Hua Zhong, Jung-Chuan Fan, Chun-Rong Lin	Growth Of Correlated Thin Films By Off-Axis Cosputtering

PA51	Huang-Huei Sung, Chen-Yi Huang, Cheng-Hsueh Lin, Jiun-Tzuen Tsai, Jung-Chuan Fan, Chun-Rong Lin	Transport Properties Of Correlated Thin Films Grown On LAALO <sub>3</sub>
PA52	De-Cih Tian, Hsyi-En Cheng	Combined Use Of Anodic Aluminum Oxidation And Atomic Layer Deposition Techniques For Tin Oxide Nanopillars Fabrication
PA53	Ming-Shying Tsai, Wan-Ting Chiou	Preparation Of Conductive F Doped Nano Tin Oxide Powder Via Spray Pyrolysis Method
PA54	Chung-Chun Wu, Yuan-Chi Luo and Sin-Hua Wu	Effects Of Cryogenic Treatment On The Microstructure Of The SKD 11 Tool Steel
PA55	King-Leung Wong , Wen-Lih Chen , Hung-En Chen	Study On The Buffer Layer Of CIS Thin Film Solar Cell By Separate-Melting Chemical Bath Deposition Methods
PA56	Chung-Chun Wu, Bao-Chu Huang and Tzu-Wen Huang	Precipitation Behaviors Of Nano (Fe,Mn) <sub>3</sub> AlC <sub>x</sub> Carbides In An Fe-10Mn-8Al-1C Alloy
PA57	Li-Hsuan Chen, Wei-Chih Chen, Chung-Chun Wu, and Tung-Yung Huang	Effects Of Cryogenic Treatments On The Precipitation Behaviors Of Nano- Scale (Fe,Mn) <sub>3</sub> alc <sub>x</sub> Carbides In An Fe-10Mn-8Al-0.7C Alloy
PA58	Yuan-Jen Chang, and Wei-Lung Chen	Selective Growth Of ACCVD Carbon Nanotube Network
PA59	Jih-Lian Ha and Ching-Min Chang	Photoelectric Property Of Al Thin Film Deposited By DC Magnetron Sputtering
PA60	Fann-Wei Yang, Kai-Huang Chen, and Chien-Min Cheng	Photoluminescence Characteristics of the Nano ZnSiO <sub>2</sub> :Mn Phosphors Prepared by Solution-based Method

PA61	Shih-Fang Chen, Kai-Huang Chen, and Chien-Min Cheng	Electrical And Physical Properties Of Flexible Substrate Using BaTiO <sub>3</sub> /Polymer Composites For Application In High Frequency Devices
PA62	Fann-Wei Yang , Kai-Huang Chen, and Chien-Min Cheng	Fabrication And Transparent Characteristics of Nano Thin Film Transistor Using Ferroelectric Gate Oxide
PA63	Hsueh-Hsin Peng, Hsun-Tsing Lee	Influences Of $\alpha$ -Al <sub>2</sub> O <sub>3</sub> On The Properties Of Gel Polyacrylonitrile Nanocomposite Electrolytes
PA64	Wen-Tuan Wu, Jia-Long Chiu, and Ching-Ming Hsu	Electrochemical Impedance Characteristics Of Flexible Pt /Sn/ItO Electrodes For Dye-Sensitized Solar Cell
PA65	Chin-Yi Chen, Chi-Ying Chiang, Chung-Kwei Lin	High Pseudocapacitive Stability Of Sol-Gel Manganese/Vanadium Oxide Coating
PA66	M. H. Shih, Y. S. Yang, Y. C. Su, C. H. Yen, W. H. Deng, C. T. Chang	Design And Synthesis Of Tetradentate Ligands By The Reaction Of Ortho-Functionalized Anilines, Salicylaldehyde And Chloroformyl Arylhydrazines
PA67	Ching-Ming Hsu, Wen-Tuan Wu, Keng-Hao Lin, Hon-Bin Liao	Molybdenum Zinc Oxide Prepared By Co-Sputtering For Solar Cell Applications
PA68	Cheng-Tang Pan, Zong-Hsin Liu, Chien-Hsiang Chao, Cheng-Chi Li, Zong-Yu Ou, Chiao-Yun Liu, Wei-Chuan Wang, Feng-Tzu Hsu, Hui-Wen Li	High Verticality Nano-Structures Using CF <sub>4</sub> -Based ICP-RIE

PA69	Shun-fua Su, Tzo-Ming Lin	The Study Of Silica - Alumina Micro-Porous Materials
PA70	Po-Chien Huang, Jun-Han Huang, Yu-I Shih, Yuh-Chieh Lin, Jay Ghatak, Chuan-Pu Liu	Fabrication And Characterization Of Large-Area Single Crystalline Porous ZnO Nanosensor
PA71	Chih-Cheng Kao, Yan-Zhe Li, Wei-Cheng Chiu	Effect Of Laser Annealing On Cu(In,Ga)Se <sub>2</sub> Films
PA72	Hsiao-Wen Yu and Yu-Zhong Wang	Influence Of Sintering Temperature On The Magnetoimpedance Effect Of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> Manganite
PA73	Chyung-Chyung Wang, Jen-Taut Yeh, Chih-Chen Tsai, Ze-Long Lin	Effect Of Nano-Silver Particles On Shape-Memory Properties Of Polyurethane Hybrid Composite
PA74	Hui-Hsuan Hsieh, Chih-Wei Chou and Lii-Tzu Wu	Facile Green Synthesis Of Silver And Silver-Gold Nanostructure And Their Antibacterial Activity
PA75	Tzu Fang Hsu, Hua Shu Hsu, Chien Hui Lin, Kuo Fong Lin, Hui Wen Lu, and Wen Kai Lin	The Nonlinear Optical Property Of Annealing In Carbon Doped Zinc-Oxide Thin Films
PA76	Chien-Chung Huang, Lung-Chien Chen, Ching-Ho Tien	Nanolotus Root Of Indium Doped ZnO Films Deposited By The Ultrasonic Spray Pyrolysis
PA77	Wen-Tuan Wu, Jin-Cheng Tsai, Po-Jui Huang, and Ching-Ming Hsu	Characteristics Of Ion Beam Sputtered Hydrogenated Amorphous Silicon Films
PA78	Kuo-Wei Yen, Cheng-Feng Yang, C.C. Wu, Hsin-Yu Chen	The Effect Of Carbon Powder On Urea Nitrocarburizing

PA79	Guo-Wei Ruan, Nai-Shang Liou and Ming-Chen Chuang	The Effect Of TiO <sub>2</sub> Nano Particles On The Mechanical Properties Of Cold Mounting Epoxy
PA80	Hsing-Han Yen, Nai-Shang Liou and Guo-Wei Ruan	Investigating Mechanical Properties Of Epoxy With SiO <sub>2</sub> Nano Particles By Using Indentation Test
PA81	Ming-Chen Chuang, Nai-Shang Liou, Hsing-Han Yen	Fracture Properties Of Epoxy With Nano Particles
PA82	Ying-Yi Liou, Hsyi-En Cheng	Preparation Of Barrier-Free Anodic Alumina Templates
PA83	Wen-Cheng Tzou, Chien-Chen Diao, Cheng-Fu Yang	Annealing The Sol-Gel Deposition SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> Thin Films Under Different Temperatures
PA84	Cheng-Ho Chen, Cheng-Hui Li	Fusion Properties Of Polyolefin Elastomer (POE)/CaCO <sub>3</sub> Composites

**(B) Nano Biological Technology**

<b>ID</b>	<b>Authors</b>	<b>Title</b>
PB01	Cheng-Hsin Chuang, Yao-Wei Huang, Hsun-Pei Wu, Jing-Wei Ju and Chun-Ping Jen	Enhancement Of Sensitivity For An Immunoassay Using Aluminium Oxide Nanoparticle Based On Dielectrophoresis
PB02	Wen-Hie Wu, Chien-Ming Su	Liposome With Encapsulated Natural Extract
PB03	Onon Batnaym, Chih-Wei Chou, Horng-Jyh Harn, Huey-Shan Hung, Yu-Chun Yen, Yeu-Wei Harn	Bioavailability Enhancement Of Herbal Anti-Cancer Compound Berberine By Unisig Chitosan-Tripolyphosphate Nanoparticles As A Drug Delivery System
PB04	Yu-Chu M. Li, Wei-Chin Chang, Chao-Ming Huang, Tsung-Yen Tsai and Yen-Hong A. Chen	Study On Light Response Of Pachira Aquatica'S Leafs Utilizing A Surface Plasmon Resonance Based Sensor Technique
PB05	Jing-Iong Yang, Mei-Hua Chen, Ya-Hui Liu and Min-Ci Lo	Purification And Characteristics Of Nano- Peptides From Fish Skin Protein Hydrolysates With Antiradical Activity
PB06	Min-Sheng Hung, Jia-Hao Chang, Chih-Pin Chen	A Microfluidics For Rapid Protoplasts Collection From Plant Leaf

### (C) Nano Optics and Electrics Technology

ID	Authors	Title
PC01	Ching-Hua Wei, Wu-Chung Sue, Ying-Hao Fu, Stan-Pin Wang	Effect Of Argon Gas Flow Rate On Surface Roughness Of TiO <sub>2</sub> Thin Film By RF Sputtering
PC02	Ching-Hua Wei, Wu-Chung Sue, Stan-Pin Wang, and Ying-Hao Fu	Effect Of Argon Gas Flow Rate On Surface Hydrophilic And Optical Absorption Properties Of TiO <sub>2</sub> Thin Film By RF Sputtering
PC03	Neeruganti O Gopal, Hsin-Hsi Lo and Shyue-Chu Ke	Visible Light Active Phosphorus Doped TiO <sub>2</sub> Nanoparticles
PC04	Nidya Chitraningrum, Jun-Dar Hwang	Enhancement In Optical Properties Of Amorphous Silicon Thin Films Utilizing Silver Surface Plasmons
PC05	Jung-Chuan Fan, Huang-Huei Sung and Chun-Rong Lin	The Optical And Thermal Stimulated Luminescence In The Carbon Nanotubes
PC06	Chi-Chun Ho, Yu-Bin Chen, and Wei-Chih Pan	Optimization Of Nanoscale Gratings For Energy-Saving Glass
PC07	Teen-Hang Meen, Yu-Chien Lin, Shi-Mian Chao, Jenn-Kai Tsai, Tien-Chuan Wu, Kuen-Hsien Wu, Chien-Jung Huang	Effect Of Gold Nanoparticles On The Photoelectrode Of Dye-Sensitized Solar Cell

PC08	Ming-Lun Lee , Yu-Hsiang Yeh and Shang-Ju Tu	AlGa <sub>N</sub> -Based Solar-Blind P-I-N Photodetectors Formed Selective-Area Growth On N-GaN Templates
PC09	Kuen-Hsien Wu and Tzu-Hsiang Su	Preparation And Characterization Of Nano-Particle Porous-Silicon Thin-Films For Photo-Detecting Applications
PC10	Ruey-Ching Twu, Chia-Wei Hsueh, Ching-Shing Wang, Kuei-Wen Wang, and Jhao-Sheng Wang	Zn-Indiffused MgO:LiNbO <sub>3</sub> Electro-Optic Modulator For Visible Wavelengths
PC11	W. Y. HUANG, K. M. LIN, and Y. H. LEE	Electroluminescence Examination Of Crystalline Silicon Solar Modules
PC12	Hsin-Kai Wang, Te-Kuang Chiang, Sean Wu and Maw-Shung Lee	Two-Dimensional Modeling Of A Novel Triple-Material Surrounding-Gate (TM-SGT) Mosfets
PC13	Y.Z. Wang, T.K. Tan and C.K. Chung	The Effect Of V-CUTS Microstructure Of Light Guide Palte On The Led Lighting Pattern
PC14	Chih-Cheng Kao, Jia-Wei Liou, Jen-Chieh Cheng	SiGeO Light-Emitting-Diode
PC15	Yu-Cheng Su, Kuan-Zong Fung, Cen-Ying Lin, Ping Han Wu, and Chung-Wei Cheng	Effects Of Ultrafast Laser Treatment On Surface Modification Of Titanium Substrates
PC16	Chao-Hung Wang, Yu-Wen Hwuang, Chia-Hao Tu, Shang-En Wu, Yen-Lin Lai, and Chuan-Pu Liu	The InGa <sub>N</sub> /Ga <sub>N</sub> Multiple Quantum Wells Nanopillars Light Emitting Doides Fabricated By Focused Ion Beam

PC17	Hung-Chi Yang, Tsung-Fu Chien, Cheng-Hsien Lin, Shang-Hao Liu	Three-Point Non-Contact Capacitance Electrodes For ECG Signal Measurement
PC18	Te-Kuang Chiang and Duo-Han Chang	A New Three-Dimensional Analytical Model For Dual-Material Tri-Gate (DM-TG) Mosfets
PC19	Te-Kuang Chiang and Duo-Han Chang	A Quasi Two-Dimensional Short-Channel Model For Threshold Voltage Of Tri-Gate(TG) Mosfets With Localized Trapped Charges
PC20	Jeng-Feng Lin, Chin-Chieh Kang, Pei-Chiang Kao	The Analysis Of The Light Extraction Efficiency Of InGaN LEDs
PC21	Yi-Ta Hsieh, Yung-Chun Lee	Metal Contact Printing Photolithography For Fabricating Sub-Micrometer Patterned Sapphire Substrates In Light-Emitting Diodes

**(D) Nano Lithography**

<b>ID</b>	<b>Authors</b>	<b>Title</b>
PD01	C.H. Lin, K.P. Chung, T.K. Tan and C.K. Chung	Effect Of The Mask Opening Diameter And Exposure Gap On 3D Structure Using JSR 151N Backside Exposure
PD02	Kuo-Lun Kao, Chun-Ying Wu, Yung-Chun Lee	A Novel Three-Dimensional Mask Applied On Direct-Writing Nanolithography Based On Gradually Dry Etching Process

**(E) Nanoscale Physics and Theory**

<b>ID</b>	<b>Authors</b>	<b>Title</b>
PE01	Chia-Ching Wu, Chean-Cheng Su, Wen-Cheng Tzou, and Cheng-Fu Yang	Dielectric Properties Of Polyetherimide-Base Composites With Functional Carbon Nanotubes
PE02	T. C. Han, P. J. Wu, S. S. Pan, Y. L. Shih, Y. H. Liu and C. R. Lin	Effect Of Iron-Doping On The Magnetic And Electric Properties In Nanosized $Y\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ Ceramics
PE03	Jung-Chuan Fan, Hong-Sheng Lin, Jau-Han Chen, Huang-Huei Sung and Chun-Rong Lin	Persistent Photoconductivity In III-V Alloy Semiconductor Quantum Wells
PE04	Cheng-Ho Chen, Cheng-Hui Li	Preparation and Properties Of EVA/ $\text{CaCO}_3$ Nanocomposites
PE05	James Yang, Shang-Chuan Kuo, Kun-Dar Li, Yan-Li Jiang	Numerical Simulation On The Irradiated-Induced Nano-Structure For Different Ion Energy/Mass
PE06	K.M. Kuo , D.S. Lee , C.Y. Tsai , C.W. Huang , and G. Chern	The Physical Properties Of Bi-Fe-O Epitaxial Film Grown On $\text{SrTiO}_3(001)$ And Ta/Si(001) By Molecular Beam Epitaxy
PE07	Ruei-Tang Chen, Joseph Lik Hang Chau, Gan-Lin Hwang	Transparent Diffusive Solar Cell Window Module
PE08	Y. H. Lee 、 K. M. Lin 、 W. Y. Huang 、 C. W. Tu 、 C. P. Chen 、 Z. C. Wu 、 M. Y. Huang 、 D. C. Liu 、 Y.C. Chen	The Influences Of Soldering Temperature On The Wettability And Shear Strength Of PB-Free And PB-Based Solders On Solder Cells

PE09	Chan-Jung Hsu, Pramoda K. Nayak, Sheng-Chang Wang, James C. Sung, Chiang-Lun Wang, Chung-Lin Wu, Jow-Lay Huang	Atomic Morphology And Raman Analysis Of Single Layer Graphene On Ni Substrates
PE10	Yi-Chu Hsu, Tsai Yuan Hung	Optimization Of Piezoelectric Micropump Parameters Using The Taguchi Method
PE11	Qing-Yu Chen, Horng-Hwa Lu, Yi-Chi Huang, Ching-Huan Lee, Pramoda K. Nayak, and Jow-Lay Huang	Microstructure And Mechanical Properties Of Si <sub>3</sub> N <sub>4</sub> Nanoceramics By Carbonthermal Reduction And Spark Plasma Sintering
PE12	Ru-Li Lin	Theoretical Analysis Of Three Dimensional Piezoelectric Thin-Film Structure With A Point Loading
PE13	Jau-Han Chen, Chiu-Hsien Wu, Kuen-Lin Chen, and Un-Cheong Sou	Comparison Of Detection Ability Of Magnetic Nanoparticles Between A Series Array Squid And A Single Squid
PE14	Chih-Chieh Kang, Jeng-Feng Lin, Ming-Chih Tsai, Wei-Cheng Chen, Yu-Chang Wu and Cheng-Fang Ho	A Simplified Model OF On-Axis Luminance Gain Measurement For Novel Optical Film Development In Simulation

**(F) Nano Measurement and Systems**

<b>ID</b>	<b>Authors</b>	<b>Title</b>
PF01	Takato Yamamoto, and Shuichi Torii	Thermal Fluid-Flow Characteristics In Flow Flat Channel Model Of Plate Heat Exchanger In Various Plate Shape
PF02	Shun Matsuda, and Shuichi Torii	Corresponding Combustor Development Of Biofuels And Fuel Characteristics
PF03	Tzu-Yao Tai, Duy-Long Nguyen	The Properties Of The Hole Machined By Micro EDM Using Kerosene And De-ionized Water As Dielectric In Comparison
PF04	Jung-Chuan Fan, Yu-Ying Chang, De-Sheng Lee, Huang-Huei Sung and Chun-Rong Lin	Thermally Stimulated Current In InAs Quantum Dots
PF05	Tsung-Fu Chien , Hung-Chi Yang, Guei-Cheng Wang, Jhong-Jie Jheng	A Low Profile Dual Band Monopole Antenna Loading With Self Complement Spiral For Implanted Wireless Biosensors
PF06	Bo-Jia Huang, Jyun-Jia Huang, Sheng-Chang Wang	Temperature Effects On The Growth Of SnS Nanosheet Structure Using Thermal Decomposition
PF07	Kuen-Hsien Wu, Cih-Pu Huang	Development Of Ultra-Violet Photodetectors With Oxidized Nano-Porous-Silicon Thin-Films
PF08	Ruey-Ching Twu, Kuei-Wen Wang, Hsiao-Ying Tu, Jheng-Long Syu, and Chia-Wei Hsueh	Common Path Homodyne Interferometer For Optical Activity Measurements
PF09	Chia-Ying Liu, Nguyen Tri Dung, Chiu-Hui Tu	Optimizing Injection Molding Process Parameters Of A Plastic Car Rim Using Taguchi Method

PF10	L.-k. Wang, G.-t. Chen, Y.-w. Kuo, S.-Y. Yang, L.W. Chen, C.-t. Kuo, Y.-c. Tung, K. Lin	Development Of A Nondestructive Testing System For Examination The Quality Of Shaped Materials
PF11	K. Lin, Y.-H. Lee, W.Y Huang, S.-Y. Yang, K.-T. Chen	Applying EL Technology On Investigation Of Microcrack Growth Behaviors Of Multi-Crystalline Silicon Solar Modules Soldered By Hot-Air Technology
PF12	Hung-Chi Yang, Tsung-Fu Chien, Shih-Chieh Chao, Yu-Ming Chen	Non-Contact Concentric Circle Electrode By Wheatstone Bridge Circuit For ECG Measurement
PF13	Hsieh Wen-Ching, Fuh-Cheng Jong, Hao-Tien Daniel Lee, Shich-Chuan Wu	The Study Of Comparison Between SONOS And SNOS Nano Devices Type Gamma Ray Radiation Nonvolatile Sensor
PF14	Shu-Hui Liao, Yun-Siang Chen and Yuan-Chang Li	Effect Of Ge Content On DC Characteristics Of SiGe HBTs On SOI Substrates
PF15	Shu-Hui Liao, Ming-Chun Chien and Yuan-Chang Li	Self-Heating Effect Of NPN SiGe HBTs On Thick-Film SOI
PF16	Cheng-Tang Pan, Zong-Hsin Liu, Chien-Hsiang Chao, Po-Hsiu Chen, Cheng-Chi Li, Zong-Yu Ou, Zhao-kai Wang	Study On Anti-Adhesion Layer Of Nanoimprint
PF17	Wei-Chin Chang, Yu-Chu M. Li, Vo Cong Anh	The Effects Of Intake Air Temperature On The Combustion Of HCCI Engine
PF18	Tzu-Yao Tai, Fu-Chuan Hsu, Ssu-Yi Chen, Han-Yu Wu	Study Of The Surface Characteristics Of Polycrystalline Diamond By Micro-WEDM
PF19	Chih-Liang Chu, Ya-Fang Jheng and Hong-Wei Liao	Development Of A Non-Contact Probe For 3D Profile Measurement Of Microstructure

**(G) Other Scientific Researches related to Nano Science**

<b>ID</b>	<b>Authors</b>	<b>Title</b>
PG01	Tjhin-Hari Saputra, Chiu-Hui Tu, Chia-Ying Liu	Injection Molding Analysis For Housing Side Mouse By Using Taguchi Method
PG02	Tran Bich Son, Chiu-Hui Tu, Chia-Ying Liu	Optimization Of Process Parameters For Car Side Mirror Using Taguchi Method And Artificial Neural Network
PG03	Cam-Minh Tang, Chiu-Hui Tu, Chia-Ying Liu	Optimization Of Process Parameters For Fan Cover By Using Taguchi Methods
PG04	Hsinn-Jyh Tzeng, Jen-Chou Hsiung, Cheng-Lung Lee, Cheng-zhe Liu	A Study Of Mold Flow Analysis In Family Mold For In-Mold Decoration
PG05	Narn-Yih Lee and Jung-Chic Chen	Comment On Improved Deniable Authentication Protocol
PG06	Shing-Lin Chang	A Multigrid Continuation Algorithm For The Nonlinear Schrödinger Equation In A Periodic Potential
PG07	Shu-Chen Cheng, Hong-De Chang, Guan-Yu Chen	The Design Of An Interactive E-Learning Platform For Engineering Education
PG08	Shun-fua Su, Shi-yi Hsih	The Characteristics Of Silica Nanoparticles Coated With Magnesium-Nickel Alloy
PG09	Tsung-Fu Chien, Hung-Chi Yang, Shao-Kai Liao, Liang-Kai Chen	A Dual-Band On Body Antenna Applied For GPS And UMTS Band Communication
PG10	Ching-Ming Hsu, Wen-Tuan Wu, Keng-Hao Lin, Hon-Bin Liao	Molybdenum Zinc Oxide Prepared By Co-Sputtering With A Target Mask For Concentration Adjustment

PG11	Y. H. Lee · W. Y. Huang · K. M. Lin · S.Y. Lin	Interfacial Reaction In The Sn-Ag-xSWCNTs Composite Solder/Cu Joints
PG12	Cheng-Hsin Chuang, Jing-Wei Ju, Yao-Wei Huang and Hsun-Pei Wu	Investigation On Guiding Angle Of Microbeads In A Microfluidic Chip Based On DEP Manipulations