

Poster Session 3

March 5(Wed) 13:00-14:00

05pP01 **Improving the Properties of Zinc Oxide Thin Film Surface Acoustic Wave Device on Glass Substrate by Introducing Double Alumina Layers**

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05pP02 **Influence of Deposition Parameters and Post-Deposition Thermal Annealing on The Structure And Properties of High-Entropy Nitride Alloys (Tihfzrvnb)N**

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Evaporative Processing to Control Pi-Pi Stacking Interaction of A Poly Aromatic Hydrocarbon Material TPSBF for White OLED

C. F. Liao, H.Y. Wen, P. L. Wang, M. Y. Chang

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05pP04

Enhancing the Ultraviolet Response of Zno/P-Si Heterojunction Photodetectors Using Au Surface Plasmon Resonance

J. D. Hwang, M.J. Lai

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05pP05

Expansion of Lattice Constants of Aluminum Nitride Thin Film Prepared on Sapphire Substrate by ECR Plasma Sputtering Method

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05pP06

Tetragonal Hafnium Oxide Film Prepared By Low Temperature Oxidation

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05pP07

Preparation of Fluorine-Containing Thin Film Deposited by Atmospheric Pressure Plasma Jet Chemical Vapor Deposition

W. C. Ma, C. H. Lin, H. H. Lin, C. Huang

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05pP08

Crystal Structure of Epitaxial Mgo Prepared in High Oxygen Atmosphere Using Pulsed Laser Deposition

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05pP09

Magnet-Free Sputtering System Using Surface Wave Plasma

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Annealing of the Al_{3.15}Sc_{2.37} Co-Doped Zno Sputtered Film Under Oxygen Atmosphere

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Microstructure and Characterization of Al, Sc Co-Doped Zno Sputtered Thin Film

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DLC Formation by Using A Dielectric Barrier Surface Discharge Plasma

K. Tada, T. Takuwa, S. Yasui

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Deposition of Titanium Silicon Oxide Films by PECVD for Optical Waveguide Applications

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Enhancement of Photoelectric Properties on Ultra Thin Zno/Nano-Al/Zno Layers by Post Thermal Annealing Treatment

M. Y. Chen, C. H. Weng, Y. S. Lin
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Enhancement of Optoelectronic Properties by Insetting Nano-Silver Structures in Ultra Thin Al-Doped Zno Layers

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Enhanced Optoelectronic Property of AZO/Nano-Al/AZO Structures by Roughening AZO Seed Layer

H. M. Huang, S. Y. Fang, Y. S. Lin, C. L. Chung
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Enhancement of Optoelectronic Properties in AZO/Ag/AZO Films by AZO Seed Layer Thermal Treatment

S. M. Yen, C. W. Chen, Y. S. Lin
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The Enhanced Surface Antireflection in Single-Crystal Silicon After Sputtering Sin Thin Film and Thermal Treatments

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The Enhanced Optoelectronic Property by Roughening Zno Seed Layer in AZO/Nano-Cu/Zno Triple Layers

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Structural and Optical Properties of Nanometer-Scale CuCr₂O₄ Semiconductor Films

R. S. Yu, C. Huang

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Nitriding of Aluminum Alloy by Using Electron Beam Excited Plasma

K. Sakamoto, A. Komura, H. Hoshino, Y. Takemura

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Enhancement of Antireflection by The Formation of Ni-Si Compounds on the Surface of Single Crystal Silicon

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05pP23

Enhanced Light Extraction Efficiency by Different Thickness Current Blocking Layer in Gan LED

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Manipulating Surface Roughness on Electroless Plate Polyimide by Plasma Treatment

Y. T. Liao, J. G. Duh

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05pP25

Non-Sulfurized Cztsse($\text{Cu}_2\text{ZnSn}(\text{S},\text{Se})_4$) Thin Film Developed by Chemical Bath Deposition

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The Hybrid Silicon Solar Cells Prepared by ICP Assisted HWCVD

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Anti-Reflection Coatings with SiO_x-TiO₂ Multilayer Structures

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Microstructures and Physical Properties of Sputtering Deposited Spinel ZnCr₂O₄ Thin Film with and without Silver Island Layer

Y. C. Liang, H. Y. Hsia

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Modification of Property in Zr-Cu-Ni-Al Thin Film Metallic Glass Via Composition and Process Temperature Control

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The Effect of Gas Blowing to Substrate on Microwave-Assisted High-Speed DLC Coating

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Optical and Electrical Property of AZO Film Prepared on Zno Nanoparticle Layer

S. Miura, M. Tashiro, K. Suzuki, S. Noda, S. Hori, S. Nonomura
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Influence of Thermal History on the Electrical Properties of Amorphous Carbon Nitride Films Prepared by Reactive Sputtering

N. Tamura, M. Aono, S. Naruto, N. Kitazawa, Y. Watanabe
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O⁻ Energy Distribution in a VHF-Superimposed DC Magnetron Plasma

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Effect of Gas Flow Rate on Crystalline Structures of Amorphous Carbon Films Employing Radical-Injection Plasma-Enhanced Chemical Vapor Deposition

D. Xu, L. Jia, M. Nakamura, H. Kondo, K. Ishikawa, M. Sekine, M. Hori
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Plasma Polymerization of Aniline for Enhancing Surface Electrochemical Properties

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Preparation of Delafossite-Cu_{FeO}₂ Thin Films Using Post-Annealing of an Atmospheric Pressure Plasma Torch

H. Y. Chen, J. R. Fu

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Effects of Amplitude Modulation of Discharge Voltage on Volume Fraction of Clusters in Si Thin Films Deposited by Multi-Hollow Discharge Plasma CVD

S. Toko, Y. Hashimoto, Y. Kanemitsu, Y. Torigoe, H. Seo, K. Kamataki, N. Itagaki, K. Koga, M. Shiratani
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Study on the Resistive Switching of Sputtered Titania Thin Films

S. H. Herman, A. Zainuddin, N. S. Kamarozaman, R. A. Bakar

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Nonstoichiometric Oxygen Induced Changes of Microstructure and Physical Properties of Sputtering Deposited Vanadium Oxide Thin Films

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Effect of Film Property on Friction Coefficients of Si-Containing Diamond-Like Carbon Sliding Against Polymer

L. Y. Kuang, H. Kousaka, T. Tokoroyama, N. Umehara

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Time Evolution of Photoluminescence from Cryogenically Cooled Gan

D. Ogawa, T. Yamada, K. Nakamura, Y. Nakano, H. Sugai

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Two-Temperature Two-Dimensional Modeling of Ar And Ar-H₂ Inductively Coupled Plasmas Jet at Atmospheric Pressure

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Cu(Retanx) Copper Alloy Films Suitable for Reliable Interconnect Applications

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Growth of Non-Polar Zno Thin Films With Different Working Pressure by Plasma Enhanced Chemical Vapor Deposition

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Tunable Surface Wettability For Zno(0002) Textured Thin Films Deposited at Room Temperature

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Plasma Irradiation Effects on Properties of Zno Films Prepared with Plasma-Assiste Mist-CVD

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Effect of Post Annealing for Hydrogen Doped Al:Zno Films Using DC Sputtering

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Effects of Ion-Bombardment Damage on Mechanical Properties of CBN Thin-Films Formed by a Magnetically-Enhanced Plasma Ion Plating Method

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Silicon Thin Film Solar Cells Fabricated by H Radical Injection Plasma

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UV-Enhanced Gas Sensing Properties of ZnO Nanomesh at Room-Temperature

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Study on Si/Ge Heterostructures Formed by PECVD in Combination with Ni-Nds Seeding Nucleation

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Ultra-Thin MnO-Doped ZnO As Anode Buffer Layer Affect the Organic Light Emitting Diodes

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Preparation of Water-Dispersible Multiwalled Carbon Nanotubes Using Radio Frequency Oxygen Plasma and Citric Acid/Water Solution

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Properties of Nanocomposite Tin/Mon Coatings Obtained by C-PVD Method

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Study of SU₈ Electron Beam Lithography on the W Substrate

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Properties of Mg(Zr0.05Ti0.95)TiO₃ Dielectric Thin Films

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Physical Properties of BaTi₅O₁₁ Dielectric Thin Films on Silicon

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The Application of All-Solution Processes to Fabricate Inverted Organic Solar Cells

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Surface Modification of Amorphous Carbon Thin Films by Radical Reaction in Liquid Phase

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Size Control of Conical Nanocarbon Structures on Transparent And Flexible Polymer Substrates by Ion Irradiation at Room Temperature

T. Noda, P. Ghosh, M. Subramanian, D. Ghosh, Z. Zulkifli, T. Tsuchiya, K. Okabe, S. Adachi, K. Golap, M. Tanemura

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Surface Modification of Dssscs by Atmospheric Plasma Jet

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First Principles Investigation on Hydrogen-Helium Coexisting System Implanted in Tungsten

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Synthesis of Ni Nanoparticles by Pulsed-Laser Ablation in Supercritical CO₂

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05pP64

New Aproach for Nano Fablication on the Surface of Silicon with Ion Implantation and Locallyfocused Heating

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05pP66

**The Structural, Dielectric and Magnetic Properties of
(Bi_{0.8}Pr_{0.2}Fe_{0.95}Mn_{0.05}O₃/Bi_{3.96}Gd_{0.04}Ti_{2.95}W_{0.05}O₁₂) Bilayer Thin Films**

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05pP67

**Two-Dimensional Periodic Relief Grating As a Versatile Platform for Selective Immunosorbent Assay
and Visualizing of Antigens**

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Color Tone, Peeling Stress and Interfacial Microstructure of White Oxide Layer on Ti-Nb-Ta-Zr Alloys

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05pP69

**Light Extracting of Two Dimensional Photonic Quasi Crystal Thin Film for Phosphorescence OLED
Applications**

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05pP70

Deposition of AZO Thin Film Using RF and ICP Plasma at Facing Magnetron Sputtering System

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05pP71

Effects of Low RF Bias Power on Optoelectrical Properties of Amorphous Carbon Films Grown by Plasma-Enhanced Chemical Vapor Deposition

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Effects of Residence Time on Electronic and Electrical Properties of Amorphous Carbon Films Grown by Plasma-Enhanced Chemical Vapor Deposition

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Electrical, Optical, and Structural Properties of Al Doped ZnO Films Prepared by Mirror Type Facing Target Sputtering

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