

3/9 (WED) Poster Session 2

Presentation No.	Presenter	Title
09P01	NaeIl Lee	Multi-Layer deposition process control using impedance feedback system for 3D device fabrication process
09P02	Daisuke Ogawa	Miniturization of Curling Probe
09P03	Yusuke Sago	Spatial distribution of excited Ar atom in DC magnetron carbon sputtering
09P04	Tadashi Tsujihara	Measurement of neutral temperature in detached plasmas in NAGDIS-II by laser absorption spectroscopy
09P05	Hiroshi Nishiguchi	Fatigue Property of Plasma Coating Film for the Resistance of Hydrogen Entry
09P06	Ge Jin-man	Spectrum Recognition of Plasma on Laser Damage of HfO ₂ Thin Film
09P07	Raynell Inojosa	Reduction of Contact Resistance of Copper Substrates via RF Plasma Treatment
09P08	Chun Liang Lu	Application 3D-TSV Technology By Sn-Ag Solder Bonding Micro Flip-Chip LED
09P09	Shun-Tong Chen	A pluri Resistance-Capacitance (pRC) circuit for highly efficient micro w-EDM
09P10	Jun Miyawaki	Fast Local Etching of Si Substrates Using Inward Plasma
09P11	Zecheng Liu	Low damage etching of Gallium Nitride with Cl ₂ plasma at high temperature
09P12	Yan Zhang	Vacuum ultraviolet (VUV) light effects on Polyethylene Terephthalate (PET) surfaces in Plasma Modification
09P13	Jialin Pan	Plasma etching of GaN at high temperature
09P14	Yusuke Fukunaga	Evaluation of Substrate Temperature Effect on the Sidewall Surface Reactions by Intermittent Plasma Generation for Control Substrate Temperature
09P16	Hiroaki Nakamura	Dependence of Noble Gas Sputtering Yield upon Surface Structure of Tungsten
09P17	Seiki Saito	Retention on Bubble Formed Tungsten under Plasma Irradiation
09P18	Shang-Feng Shen	Reduction of the Impact Ionization rate of N-LDMOS Transistors after Hot-carrier stress

09P19	Shih-An Cheng	Investigation of Device Breakdown Voltage on High Voltage MOSFET
09P20	Chun-Yen Chen	Degradation and Mechanism of Hot Carrier Stress with Body bias
09P21	Mark Jeffry De Leon	Monte Carlo Simulation of RF Plasma Cleaning of Silicon Substrates
09P22	Won-Ho Lee	Three-dimensional Computations of Free-Burning Arcs and Their Surroundings
09P23	Jun-Hyeon Moon	Comuter simulation of charging effects in high aspect ratio structure
09P24	Takayoshi Tsutsumi	Control of Radial Distribusion of Wafer Temperature during Plasma Process
09P25	Atsushi Ito	Multicanonical sampling of amorphous carbon structures with molecular dynamics and density functional theory simulations
09P26	Guixia Wang	Influence Factors on the Ignition Time of Laser- Induced Air Plasmas
09P27	Meng-Fan Tseng	Parallel Fluid Modeling of Electro-negative Gas Discharges Considering Full Ion Momentum Equations
09P28	Kensuke Sasai	Low Pressure Sustainment of Surface-Wave Microwave Plasma with Modified Microwave Coupler (MMC-SWP)
09P29	Hiroto Matsuura	Improvement of electrode configuration for radical production and sterilization
09P30	Jae-Won Lim	Reduction of Interstitial Elements from Titanium Sponges by High Temperature Melting Methods
09P31	Kuan-Chen Chen	Study on Spatial Profiles of a Capacitively Coupled VHF H ₂ Plasma by Simulation
09P32	Minoru Sasaki	Gas-Sealed Inductively Coupled Plasma VUV Light Source
09P33	Akihiko Ito	Basic study of fine particle removal using microplasma actuator type electrodes
09P34	Ai-Xian Zhang	Spatial distribution of floating potential at wafer level in electronegative plasma
09P35	Lizhen Yang	The Formation and Characteristics of Patterns in Atmospheric Pressure Radio Frequency DBD Plasma
09P36	Saijian Ajia	Sputtering Effect and Enhancement of Surface Migration Induced by Low Energy Photoemission-Assisted Plasma Ion Source
09P37	Cheng-Wei Chou	Pt/NiO schottky diode of AlGa _N /Ga _N Metal-Oxide-Semiconductor high electron mobility transistor for low gate leakage current

09P38	Satoshi Masuya	Synchrotron X-ray topography observation of stacking faults in HPHT diamond single crystal
09P39	Ha Young Lee	Development of new metallization methods for vertical-type GaN LED
09P40	Ji-Yeon Noh	Synthesis of hybrid heterojunction based on GaN with various thickness of organic layer
09P41	Seunghyun Lee	A Fabrication of Hybrid Structures of Ga ₂ O ₃ /c-GaN Nanowires by Metal Organic Vapor Phase Epitaxy
09P42	Yasuhiro KUSAKABE	Low-pressure microplasma treatment of GaN surface for improvement of reproducibility of micro-scale growth
09P43	Gang Seok Lee	Vertical-type blue light-emitting diode grown by HVPE
09P44	Hoi Wai Choi	Optically-free-standing InGa _N Microdisks with Metallic Reflector
09P45	Chih Chiang Yang	Ultraviolet Photodetectors Based on Novel Ga-Doped ZnO Nanosheets
09P46	You-Li Wang	Crystal growth and photoconductive characteristics of W(S _{1-x} Se _x) ₂
09P47	Wan-Siang Gan	Crystal growth and characterization of WX ₂ (x=S, Se) layered crystals
09P48	Ji-Hoon Ahn	Preparation of tin sulfide precursors from SnO ₂ for 2D SnS ₂ nano crystal synthesis by chemical vapor transport
09P49	Yi-Ping Wang	Raman study of tungsten doped MoS ₂ two-dimensional layered crystals
09P50	Takuya Natsume	Growth of h-BN on graphene formed by thermal decomposition of SiC Si-face
09P51	Akio Ohta	Characterization of Chemical Bonding Features of Ultrathin Ge Layer Grown by Ag-Induced Layer-Exchange Method
09P52	Hyungjun Cho	Effects of fluorine termination on nanostructures and electrical properties of carbon nanowalls
09P53	Masakazu Tomatsu	Fabrication of few-layer graphene using afterglow of inductively coupled plasma
09P54	Bing-Feng Lin	Structure and Transport Mechanism of the Transparent Zn _{1-x} Cu _x O Nanocrystalline Films
09P55	Yeh HsinTing	Surface Plasmon Resonance Enhanced Ultraviolet Response of Ag-Covered ZnO Nanorods Photodetectors
09P56	Chih-Pin Hsiao	Lithium doped ZnO nanorod-based the metal-semiconductor-metal (MSM) UV photodetector.

09P57	Wei-Jie Weng	ZnO nanowires with different aspect ratios by hydrothermal synthesis
09P58	Se-Hun Kwon	Block copolymer-templated hollow n-ZnO/p-Si nanodiode arrays using atomic layer deposition
09P60	Eisuke Tamaki	Influence of catalyst preparation method on the magnetic characteristics of carbon nanotubes filled with iron nanowires
09P61	Zi-Hao Wang	Enhanced UV Photodetector Properties of Mn-doped ZnO nanorods
09P62	San-Lin Young	Comparative Study of Length Effect on the UV Photodetecting Behavior of Hydrothermally Grown Al-Doped ZnO Nanorod Arrays
09P64	Yuji Fujiwara	Magnetic properties of few-layer graphene oxide sheets reduced in hydrogen atmosphere
09P65	Yuji Fujiwara	Magnetic properties of FePt nanoparticles encapsulated in carbon nanotubes grown by microwave plasma enhanced chemical vapor deposition
09P66	Jhen-Jie Jhao	Pulse-mode potentiostatic electrodeposited iron and nickel nanoparticles for the growth of carbon nanotube for high performance electrochemical double-layer supercapacitor
09P67	Sin-Hui Wang	Field Emission Properties Based on In-In ₂ O ₃ Composite Nanopagodas
09P68	Kung Shu-Hsiang	Improved surface wettability of ITO thin film prepared by DC magnetron sputtering
09P69	Eitaro Nakatani	Effect of mating material on the friction-induced structure-change of DLC film
09P70	Manabu Yasui	Study of metal ion concentration in Ni-W bath for glass imprinting mold
09P71	Shungo Matsumura	Microwave superheating behavior during nano-particle formation by the addition of ethylene glycol
09P72	Tsung-Chia Ho	The Comparison of ITO and ZnO:B Window Layers on Nanoimprint Trench Surface for Heterojunction Silicon Solar Cell Applications
09P73	Akihisa Ogino	Plasma Surface Treatment for Improving Adsorption of Alkali Metals on Heated Surfaces
09P74	Suphitcha Moonngam	Microstructure and Corrosion Behaviours of Thermal Sprayed Nickel Coating: Nicko-Shield 200 and Hastelloy C276 Produced by Different Techniques
09P75	Charisse Marie Cagomoc	Enhanced Chromium Adsorption Capacity via Plasma Modification of Natural Zeolites
09P76	elle Johnna Veronica De	Properties of Plasma Treated Bambusa Blumeana Schultes (Kawayan Tinik)
09P77	Ping-Cheng Chen	Low temperature Ar-H ₂ plasmas enhance solder wetting of oxidized-aluminum with lead-free solder

09P78	Yu-Wei Lin	Microstructural and Properties of TiZrN Thin Films deposited by High power impulse magnetron sputtering with different Nitrogen Flow Rate
09P79	Shinn-Gwo Hong	Preparation and Application of Nano Silica Grafted Low Molecular Weight Hydrolysis Poly-3-hydroxybutyrate
09P80	Chih-Yuan Kao	Comparison of Atmospheric-pressure Plasma-induced Grafting and Ultraviolet Induced Grafting in Modification of PP Membranes
09P81	Hideo Doi	Impact of the Volume of Membrane on the Output Response of Enzyme Functionalized Potentiometric Sensor Array for ATP Imaging
09P82	Yuuya Hayashi	Pad-Less CMOS Biosensor Array Chip for Low-Cost Packaging-Less Bio-Imaging Platform
09P83	Masaki Kawase	Temperature-Regulated CMOS Biosensor Platform for Portable MicroRNA Amplification and Detection
09P84	Atsuki Kobayashi	Design Methodology of Supply-Sensing CMOS Biosensor Using Bio-Fuel Cell for Energy-Autonomous Healthcare Application
09P85	Kei Ikeda	Analysis on Scalability of Current-Mode Analog-to-Time Converter for a High-Resolution CMOS Biosensor Array
09P86	Kiichi Niitsu	Design of CMOS Magnetic-Based Microbeads Detection Using an Asynchronous Intra-Chip Inductive-Coupling Transceiver
09P87	Kiichi Niitsu	Design of a CMOS Voltage-to-Current Converter with Dynamic Range Enhancement Using Source Degeneration
09P88	Shie-Kai Tsai	Study of aggregation effects on spirobifluorene derivative emission
09P89	Keng Shuo Lee	Study of thermal activated delayed fluorescences doped in red phosphorescent polymer light emitting devices
09P90	Pei-Yuan Horng	Flexible organic light-emitting diodes with internal light extraction structure
09P91	Hiroyuki Kawagoe	Observation of high-resolution 3D lung structure based on white-light interferometry
09P92	Tatsuhiko Teranishi	Optical coherence microscopy using supercontinuum source at 1.7 μm