

### 3/7 (MON) Poster Session 1

Presentation No.	Presenter	Title
07P01	Chun-Yu Chen	Enhanced conductivity of PEDOT: PSS electrode by doping and dropping process with polar aprotic solvents for ITO-free organic light emitting diodes
07P02	Chun-Chiang Wu	Applying UV-ozone treatment for tuning the work function of monolayer graphene film
07P03	Chun-Chiao Lin	Highly conductive of PEDOT:PSS electrode by film soaking with acidic for ITO-free organic solar cells
07P04	Satoru Kaneko	Electronic Properties of Multigraphene Grown on 10B Pencil Drawing Area on Printing Paper Irradiated by Femtosecond Laser
07P05	Claire Perfetti	RF sputtering on flexible polyimide of ZnO thin films for sensing applications
07P06	Chieh Kao	Enhanced conductivity of PEDOT: PSS electrode by Glycerol for ITO-free organic light emitting diodes
07P07	Hye R. Kim	Large area roll-to-roll process for high-rate and high-transparency SiO <sub>x</sub> barrier film on flexible substrate by MF/RF PECVD
07P10	Hiroharu Kawasaki	Preparation of Functional Thin Films by Pulsed Laser Deposition Method Using a Metal Powder Target
07P11	Man-Yu Chang	A Zirconium indium oxide UV photodetector with Pt ohmic contacts
07P12	Cheng-Wei Lin	Amorphous indium magnesium oxide phototransistor with SiO <sub>2</sub> gate dielectric
07P13	Erin Joy Tinacba	Deposition of ZnO Film Via Microwave Atmospheric Plasma Jet and its Properties
07P14	Hui-Shan Chen	Magnetic properties of ion beam assisted deposited CoFe thin film on L11 CoPt thin film
07P15	Wei-Rong Luo	Magnetic properties and coupling effects between Ni <sub>80</sub> Fe <sub>20</sub> layer and Cr-oxide layer with various oxide content
07P17	Chiung-Wei Lin	The Influence of Nitrogen Source on p-type ZnO Film
07P18	Wei-Kang Hsieh	Bipolar Resistive Switching Characteristics of Ta-doped SiO <sub>x</sub> -based RRAM
07P19	Wan-Yu Hsieh	Properties of CaLa <sub>4</sub> (Zr <sub>0.05</sub> Ti <sub>0.95</sub> ) <sub>4</sub> O <sub>15</sub> Thin Films by RF Magnetron Sputtering
07P20	Chung-Hua Chao	Crystallographic orientation evolution of ZnO films under different synthesized pressures

07P21	Takahiro Imai	Characterization of Fluorinated Diamond-Like Carbon Films Prepared by Using T-shaped Filtered Arc Deposition System
07P22	Chon-Hsin Lin	Reliability of Copper Alloy Film for Barrierless Si Metallization Applications
07P23	Min W. Lee	Analysis of atomic layer deposition apparatus in patent
07P24	Yu-Han Yang	Properties of Sol-Gel Derived LaNbO <sub>4</sub> Dielectric Thin Films
07P25	Shinsuke Kunitsugu	Deposition and Characterization of Medical ta-C:H Film using Arc Discharge in CH <sub>4</sub> /Ar Gas Mixtures
07P26	Mohamad Rusop	Preparation of Nanostructured Lead Titanate Films based Hybrid Compositing Capacitor
07P27	Tamiko Ohshima	Deposition of Al-doped zinc oxide thin films using various mixed powder targets by sputtering method
07P28	Kazutaka Kitazume	Effect of oxygen binding in a-C:H:Si:O film on its sliding behavior against SUJ2 ball in base oil
07P29	Yan-Kuin Su	Correlation between resistance state and ferromagnetism in Cr-doped ZnO thin film by RF co-sputtering system with different reactive gas ratios
07P30	Hotaka Shibasawa	Effects of residual water vapor during deposition on the mechanical and tribological properties of Si-containing a-C:H films
07P31	Janella Mae Salamina	Structural, optical and oxidation properties of Ti <sub>1-x</sub> Al <sub>x</sub> N in a composition spread thin film
07P32	Suguru Ohkochi	Formation of hydrogen-free Si-doped DLC film using a magnetron sputtering
07P33	Shi-An Wang	Improving cycling performance of thin film lithium ion battery by using different kind metal as contact layer
07P34	Yi-Ping Wang	Preparation of WS <sub>2</sub> thin films by a hot-wall chemical vapor deposition method
07P35	Il-Cho Park	Application of plasma nitriding for durability improvement of mechanical components
07P36	Sang-Ok Chong	The evaluation of corrosion behavior on plasma nitriding for STS 316L in seawater solution
07P37	Sang-Ok Chong	Cavitation-erosion behavior of plasma ion nitrided STS 304 in seawater
07P38	Hiroto Izuoka	Multiple Gas Blowing to Substrate in Ultra High Speed DLC coating with MVP method
07P39	Chia-Chun Lin	Electroless copper plating on silver-loaded and plasma polymerized heptylamine thin films

07P40	Hsien-Heng Tang	Asymmetric Bipolar Resistive Switching Characteristics of Ti/NiO/ITO Memories
07P41	Anna Sophia Ebuén	Antibacterial Properties of Copper Oxide Grown on Stainless Steel Substrates
07P42	Shunichi Sato	Study on microstructure and electronic property of fluorinated amorphous carbon
07P43	Marlo Nicole Gilos	Optical Properties of Anodized Copper Films Grown via Thermal Evaporation
07P44	Lingyun Jia	Study on crystallographic and electronic properties of amorphous carbon films grown by plasma-enhanced chemical vapor deposition
07P45	Po-Wei Chi	Improved surface wettability of ZnO texture thin films by using GLAD method
07P46	Xu Junqi	Laser-induced plasma damage of dielectric thin film under bias electric field
07P47	Jeon Han	Mechanism of Surface Conductivity in Sputtering-induced Carbon Thin Films
07P48	Noriyasu Ohno	Fabrication of porous Fe and Nb by helium plasma irradiation
07P49	Dickson Kindole	Application of ASPPS for Photo-catalytic Devices in Small and Medium Industries for Developing Countries
07P50	Yu-Chun Lin	Preparation of hydrophilic inorganic coating by atmospheric pressure plasma jet deposition of HMDSO and APTES for bio-applications
07P51	Yung-Sen Lin	Low temperature atmospheric pressure plasma-synthesized electrochromic WFe <sub>x</sub> O <sub>y</sub> C <sub>z</sub> thin films for flexible electrochromic devices
07P52	Jian-Yi Li	Low temperature atmospheric pressure plasma-polymerized organosilicon oxynitride films enhance surface hardness of flexible polycarbonate substrates
07P53	J. H. Hsieh	Structural and frictional analyses of Ta-(CNF) thin films
07P54	Motohiro Tanaka	Effect of chromium addition on the mechanical and thermal properties of Cu/diamond composites fabricated by SPS
07P55	Qi Zhou	Effects of Process Temperature on Microstructure of Al-Al <sub>3</sub> Ti FGMs Fabricated by Centrifugal Method
07P56	Ji Won Kim	Efficiency of Perovskite CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> -xCl <sub>x</sub> Sensitized TiO <sub>2</sub> heterojunction Solar Cells
07P57	Dong Hoon Cho	Analysis and Characterization of Perovskite Solar Cells Effected by Film Thickness of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> -xCl <sub>x</sub> Layer
07P58	U.M. Noor	The Electrical Behaviour of Spin Coated Polyaniline Thin Films

07P59	Jia-Hui Lin	Synthesis, characterization, and ferromagnetism in FePt/reduced graphene oxide nanocomposites
07P60	Yoshimi Watanabe	Decomposition of Al <sub>2.7</sub> Fe <sub>0.3</sub> Ti in Aged Al-Al <sub>2.7</sub> Fe <sub>0.3</sub> Ti Refiner Fabricated by Spark Plasma Sintering and Its Refining Performance
07P61	Ryo Tsuzuki	Microstructural Evolution of Worn Surface Induced by Sliding Wear for Fe-Ni Alloys
07P62	Ryo Nakanishi	Crystallographic Texture Formed by Friction Stir Processing for Pure Al
07P64	Jahirul Khandaker	Synthesis of Vanadium Oxide (V-O System) Nanoparticles by Pulsed Plasma in Liquid
07P65	Liang-Wen Ji	High sensitive photodetectors of ZnO nanorods based on CdSe/ZnS core-shell quantum dots
07P66	Ryutarou Kobayashi	Fabrication of a-C semiconductor nanoparticles and controlling of the size and semiconductor properties using high-density plasma in localized area
07P67	Shigeaki Abe	Electronic States of Alkyl Radical Functionalized Fullerene (R-C <sub>60</sub> ): Density Functional Theory (DFT) Study
07P68	Masakuni Ozawa	Size effect of Raman scattering on CeO <sub>2</sub> nanocrystal by hydrothermal method
07P69	Daisuke Kawagoe	Preparation of hydroxyapatite nano ceramics by spark plasma sinteting
07P70	Ae Ri Lee	Preparation of CdTe Quantum Dot using Apoferritin
07P73	Wen-Chien Fang	Pulse-Electrodeposition of Pd @ Pt Core-shell Nanocrystals with Enhanced Electrochemical Activity for Methanol Oxidation
07P74	Zhypargul Abdullaeva	Synthesis of pure Fe and Si, Si-Au nanoparticles by pulsed plasma in liquid and their characterization
07P75	Kei Hosomi	Brightening of Ag Nanoparticles by Plasma Exposure for VOC Sensing
07P76	Kensuke Hayashi	Textured growth of chemically synthesized Bi <sub>2</sub> SiO <sub>5</sub> films on Si(100)
07P77	Yusuke Kato	Effect of Ge Stacked Layer on Ti Nanodots Formation From Metal Thin Films by Remote Hydrogen Plasma Exposure
07P78	Yaping Wang	Formation of High Density Ta Oxide Nanodots
07P79	Yusuke Yosimura	Luminescence study of Eu doped into catalytic nanoparticles in the system of ceria and zirconia solid solution
07P80	Taiga Kawase	Impact of Magnetic-Field Application on Electron Charging Characteristics of FePt Nanodots

07P81	Toshiya Takayanagi	Adsorption of Cesium Ions from Aqueous Solution by Prussian Blue-Immobilized Magnetic Nanoparticles Prepared by Plasma Surface Modification
07P82	Yaping Wang	Self-assembling Formation of Ta Nanodots Induced by Remote Hydrogen Plasma from Ge/Ta Bi-layer Stack
07P83	Bo-Song Huang	InGaN-based Light Emitting Diodes were lift-off and discuss of Photoelectric Properties
07P84	Yuan-Chang Liang	Gas Sensing Performance and Photoactivity of ZnO-In <sub>2</sub> O <sub>3</sub> Rod Composites
07P85	Chia-Min Lee	Photoactivated Properties of Noble Metal Particles Decorated ZnO Nanorods
07P86	Cheng-Chia Chung	Sputtering Growth Of ZnO-ZnS Core-Shell Nanorods and Their Photoactivity
07P87	Tsai-Wen Lung	Morphology and Photocatalytic Properties of Hydrothermally Derived CdS Crystals
07P88	Jia-Ru Jhuang	Cd-free CIGS solar cell with through silicon via (TSV) to self-power device
07P89	Ryohei Yoshida	Survey on physical-chemical properties of the solution Irradiated by surface discharge plasma