

3/4 (SAT) Poster Session 3

Presentation No.	Abstract No.	Presenter	Title
04P01	1015	Yu-Wei Lin	Mechanical properties of thick ZnO coatings on D2 steel deposited by unbalanced magnetron sputtering
04P02	1092	Jun S. Lee	Effect of plasma chemistry on the characteristic properties of SiN _x barrier thin films deposited at low-temperature
04P03	1114	Guan-Jhong Wang	Optical Properties of Deep-Ultraviolet Light-Emitting Diodes by Inserting a Si-modulate-doped AlGaIn:Si Layerstructure by improving the crystalline quality of the bottom n-type AlGaIn layer.
04P04	1154	Zurab Kushitashvili	Study of GaN Properties Grown by Reactive Magnetron Sputtering
04P05	1167	Yu-Hsuan Lee	Characteristics and Hot-Carrier-Induced Degradation in nMOSFETs with Different Si Recess
04P06	1168	Chao-Ching Chan	Characteristic and Reliability of High-Voltage MOS Transistors with Different Lightly Doped Drain Doping Concentration
04P07	1194	Hunsoo Jeon	Phosphor-free white light-emitting diode grown by HVPE
04P08	1195	Injun Jeon	Properties of epilayers in vertical-type light-emitting diode grown by HVPE
04P09	1196	Jihye Lee	Mg-doped AlN epilayers grown by the mixed-source HVPE method
04P10	1201	Shinnosuke Takai	Growth of InN on GaN substrates at low temperatures by radical-enhanced metal-organic chemical vapor deposition
04P12	1217	Yi Zhuo	Synthesis and Characterization of UV-Transparent Tin-doped Indium Oxide Thin Film and Its Application to UV-LED
04P13	1221	Frank Wilson Amalraj	Epitaxial Growth of GaN by Radical-Enhanced Metalorganic Chemical Vapor Deposition (REMOCVD) Effect of InN Nucleation Layer
04P15	1314	Ting-Jen Hsueh	High sensitivity MEMS-type WO ₃ nanostructure for gas sensor
04P16	1333	Dan Han	Enhanced Emission Efficiency of InGaIn/GaN Micro array Light-Emitting Diodes
04P17	1334	Lin Shang	GaN/sapphire interface structure on the control of crystal quality
04P18	1335	Wei Jia	Controlled morphology of GaN hexagonal micro-pyramids grown on in-situ SiN _x layer with MOCVD
04P20	1003	Hiroharu Kawasaki	Bacteria Sterilization by Pulsed laser ablation using several kind of Metals and Metal Oxide targets
04P21	1010	Shenjiang Wu	Deposit diamond-like carbon film on the inter wall surface of micro-hole using hollow cathode discharge technique
04P25	1034	Chien-Jen Tang	Graded-index-like film made with aluminum oxynitride films prepared by segment closed-loop PEM controlled reactive HIPIMS
04P26	1036	Chien-Jen Tang	Rugate filter made with Nb ₂ O ₅ -SiO ₂ composite films deposited by fast-alternative asymmetric-bipolar-pulsed DC reactive magnetron sputtering
04P27	1037	Tamiko Ohshima	Sputtering deposition of powder target using low melting point material

04P29	1080	Yi-Chen Lai	Low temperature plasma-polymerized electrochromic $W_{1-x}O_{y-z}C_z$ thin films for flexible electrochromic devices
04P30	1100	Ko-Wei Lin	Structural and magnetic characterization of ion-beam deposited Mn/NiFe bilayers
04P31	1124	James Edward Hernandez	Particle-in-Cell Simulation of Electron and Ion Trajectories in a DC Magnetron Sputtering Device
04P32	1132	Sheng-Kai Tong	Controlled the resistance states of ITO thin films deposited by radio-frequency magnetron sputtering at room temperature
04P33	1135	Chiung-Wei Lin	P-channel transparent thin-film transistor using PVD-NiO layer
04P34	1147	Chiwei Liu	Cobalt phosphosulfide catalyst on pyramid silicon for photoelectrochemical hydrogen evolution
04P35	1156	Katsuhiro Hattori	Consideration on heating mechanism of substrate in magnetron sputtering
04P36	1189	Hong-Ying Chen	$CuFeO_2$ thin films prepared using atmospheric pressure plasma annealing
04P38	1218	Masami Aono	Deposition of amorphous carbon nitride films on flexible substrates by reactive sputtering
04P39	1226	Igor Ionov	Reactive Co-sputter Deposition of Cermet Anodes for Solid Oxide Fuel Cells
04P40	1231	Chia-Yi Cheng	Sputter-deposited LiPON films as solid-state electrolyte for Battery applications
04P41	1251	Atsushi Ishikawa	Formation of diamond-like carbon film using high power impulse magnetron sputtering
04P42	1258	Kosuke Takenaka	Deposition of AlN films using ICP-enhanced reactive DC-pulsed sputtering
04P43	1261	Akihisa Ogino	Surface Study of Electron Affinity on Semiconductor Produced by The Adsorption of Cs and Oxygen atom
04P44	1270	Masaki Yamamoto	Film quality improvement in slot-type microwave plasma CVD of SiO_2
04P45	1275	Sangmo Kim	Characteristics of Lanthanum substituted Bismuth Titanate (BLT) films deposited by RF magnetron sputtering with various axis angles
04P46	1280	Sih-Sian Li	Improvement of resistive switching effect and ferromagnetism in (Co, N)-codoped ZnO thin film by RF co-sputtering system with nitrogen reactive gas
04P47	1281	Won Jung	Epitaxial growth of Tin Oxide thin films deposited by powder sputtering method
04P49	1317	Sang Gweon Kim	The Study of Hybrid Surface via a Screen Plasma Process on Chromium Diffusion Coating
04P50	1340	Sang-Ok Chong	Improvement of corrosion and cavitation-erosion resistance for plasma ion nitrided 304 stainless steel using the DC glow discharge in marine environment
04P51	1347	Hsien-Heng Tang	Performance Variation of Different Materials Applied for Top Electrode in Metal/NiO:Ti/ITO Memory Devices
04P52	1038	Zhen Zhen	Synthesis Of Two Dimensional Materials On Extremely Clean Surfaces
04P53	1041	S. T. C. Hsieh	PMMA and PMMA-Ag thin films deposited by a system combining inductively coupled plasma polymerization and RF sputtering

04P54	1086	Koichi Yamaguchi	Plasma Induced Chemical Synthesis of ZnO from Chemically Stable Zn(2+)-Ethylenediamine Aqueous Solutions
04P55	1089	Jeon G. Han	Rapid synthesis of Si quantum dot thin films using RF/UHF high density plasmas by radical control at low temperature
04P56	1105	Shota Kawai	Synthesis of Au/TiO ₂ composite nanoparticles by pulsed laser ablation in liquids
04P57	1117	Adi Tama Nugraha	Plasma Assisted Synthesis of Collagen Containing polyHEMA Hydrogels by Atmospheric Pressure Plasma for Biomedical Applications
04P58	1119	Jun-Xin Ding	Electrical of MoS ₂ by oxygen plasma treatment
04P59	1161	Yushu Tang	Synthesis of Graphene via Plasma-Enhanced Chemical Vapor Deposition and its Application in Flexible Transparent Conductive Films
04P60	1169	Akira Ito	Synthesis of copper oxide nanoparticles using gas-liquid interface plasma
04P61	1188	Shungo Matsumura	Nano-particle formation by combination of anti-solvent effect and two-stage microwave irradiation
04P62	1206	Ming Chang	Improvement of Ohmic Contacts to n-type GaN Using by Inductively Coupled Plasma
04P63	1240	Hiroaki Iwata	Investigation of Ionomer Concentration on the performance of Polymer Electrolyte Fuel Cell Using Carbon Nanowalls
04P64	1247	Sheng-Siang Huang	Fabrication of Heterojunction of SnO ₂ /WO ₃ sensing material as the MEMS type NO gas sensors
04P65	1278	Yukinori Arima	Self-forming Graphene/Ni patterns on Sapphire utilizing the Pattern-controlled Catalyst Metal Agglomeration Technique
04P66	1287	Shih-Mao Lin	High sensitivity NO _x sensors made using Yttria-stabilized zirconia thin film for the vehicle's exhaust emissions applications
04P67	1294	Chun Huang	Effect of Low-pressure Nitrogen Plasma Treatment on the Surface Properties and Electrochemical Performance of Polyethylene Separator Using in Lithium Ion Battery
04P68	1295	Yu-Ching Sung	Investigation on the octafluorocyclobutane plasma jet for silicon etching
04P69	1297	Yu-Shuan Liu	Surface analysis of RF capacitively couple C ₂ H ₂ F ₄ plasma polymerized film characteristics
04P70	1298	Chi-Heng Li	The contact angle examination of cyclonic atmospheric pressure plasma activated polytetrafluoroethylene
04P71	1328	Kei Hosomi	Morphological Changes in Ag Nanoparticle Aggregates Exposed to Ar Plasma
04P73	1339	Md Abul Kalam	Investigation of Temperature Variation of Anode During the Production of Single Walled Carbon Nanotubes by the Bipolar Arc Discharge Method
04P74	1348	Sarwar Shahidi	A Comparative Study on the Plasma treatment of Different Source Water
04P75	1011	Dong Bok Lee	High Temperature Oxidation of CrAlMgSiN Thin Film
04P77	1087	Koichi Yamaguchi	Analyses of Aqueous Dispersions of TiO ₂ Nanoparticles Prepared by Using Plasma on Liquid Surface
04P78	1096	Manabu Yasui	Ni-W thick film processing with higher frequency of pulse plating

04P79	1108	Wen-Pin Lin	Plasma and photo- induced grafting of NVP/ PEGMA on RGP contact lens for applications in antifouling and biocompatibility
04P80	1157	Shunsuke Okumura	Effect of plasma irradiation on the interface between DLC and plastic
04P81	1190	Shunsuke Nishijima	Surface tension reduction of nanofluid containing different surfactant by microwave irradiation
04P82	1209	Shota Kawaguchi	Effect of Incident Ion Energy Pulsation on Tungsten Nanostructure Formation
04P83	1234	Fumiaki Mimuro	Morphology Changes of Niobium Surface Irradiated with Helium Plasmas
04P84	1248	Keiichirou Noda	Development of the local carburizing technology with microwave-enhanced high-density plasma generated near the substrate
04P85	1286	Po-Wei Chi	Eliminating Surface Effects of ZnO Texture Films by Inserting a NiFe Nanolayer
04P86	1329	Fumihiko Yanagi	Covalent modification of amorphous carbon thin films with ethylenediamine via surface oxidation
04P87	1259	Chih-Hsiang Hsu	Enhanced SnO ₂ sensing performance of VOCs by Au nanoparticles catalytic