

20th INTERNATIONAL
VACUUM
CONGRESS

IVC-20



IVC-20
ICSS-16
ICN+T 2016
VASSCAA-8
25th KVS
ITC 2016
ISPB 2016

AUGUST 21-26, 2016
BUSAN, KOREA

PROGRAM

IVC-20
20th International Vacuum Congress

ICSS-16
16th International Conference
on Solid Surfaces

ICN+T 2016
International Conference on
Nanoscience and Technology 2016

VASSCAA-8
8th Vacuum and Surface Sciences
Conference of Asia and Australia

25th KVS
25th Anniversary KVS Symposium

ITC 2016
Industrial Topical Conference 2016

ISPB 2016
International Symposium of Plasma
Biosciences 2016

Organized by



THE KOREAN
VACUUM SOCIETY

AUGUST 25 (THURSDAY)

■ ICN+T 2016 ■ VASSCAA-8 ■ 25th KVS ■ ITC 2016 ■ ISPB 2016

ASS-P3-026

On the observation of CO adsorption at Pt(111) surface in formic acid oxidation via ambient-pressure XPS
Beomgyun JEONG (*Korea Basic Science Institute, Korea*), Hongrae JEON, Ethan J. CRUMLIN,
Bongjin Simon MUN, Jaeyoung LEE

ASS-P3-027

Enhancement of adhesion between hetero interfaces using plasma press method
Doosan KIM (*Sungkyunkwan University, Korea*), Mu Kyeom MUN, Geun Young YEOM

ASS-P3-028

Utilizing TiO₂ nanotube composite materials as an efficient air purification system
Hyun KIM (*Kumoh National Institute of Technology, Korea*), Vivek RAMAKRISHNAN, Bee Lyong YANG

ASS-P3-029

Hole mobility in various p-doped organic semiconductor films
Seung-Jun YOO (*Seoul National University, Korea*), Jeong-Hwan LEE, Jae-Min KIM, Jang-Joo KIM

ASS-P3-246

Operando EELS study of lithium transport mechanism in cathode during fast charge
Soyeon LEE, Yoshifumi OSHIMA (*Japan Advanced Institute of Science and Technology, Japan*),
Kunio TAKAYANAGI

16:00-17:30

EXHIBITION HALL 2A

EMP-P3 ■

ELECTRONIC MATERIALS AND PROCESSING (JOINT WITH AE, ASDD) / POSTER SESSION 3

EMP-P3-030

Performance of dry process using atmospheric pressure plasma for impurity removal of NCM cathode material
Dong Chan SEOK (*National Fusion Research Institute, Korea*), Hyeon Young JEONG, Seungryul YOO,
Yong Sup CHOI, Joongpyo SHIM, Yong Ho JUNG

EMP-P3-031

Fluorine passivation of NCM cathode powder using atmospheric pressure plasma
Hyeon Young JEONG (*Kunsan National University, Korea*), Dong Chan SEOK, Seungryul YOO,
Taihyeop LHO, Sung-Ku KWON, Yong Ho JUNG

EMP-P3-032

Influence of the metal-induced crystallization on the structural and electrochemical properties of sputtered LiCoO₂ thin films
Hyeonwoo JOO (*Gyeongsang National University, Korea*), Hyunsuk LEE, Gyubong CHO,
Teahyun NAM, Sunchul HUH, Byeongkeun CHOI, Hyomin JUEONG, Jungpil NOH

EMP-P3-033

Investigation of antiferromagnetic NaFePO₄ measured by mössbauer spectroscopy
Hyunkyoung CHOI (*Kookmin University, Korea*), Mun Hwan KIM, Tae Joon KOUH, Chul Sung KIM

EMP-P3-034

Copper-antimony based alloy nanocomposite: effect of mass loading and heat treatment
Il Tae KIM (*Gachon University, Korea*), Seung Geol LEE

EMP-P3-035

Characteristics and electrochemical performance of silicon coated carbon nanofibers composite as anode material for lithium secondary batteries
Jin-Yeong CHOI (*Keimyung University, Korea*), Yura HYUN, Heai-Ku PARK, Chang-Seop LEE

EMP-P3-036

Evaluation of barrier films against lithium diffusion for thin film lithium-ion batteries
Joo Sun HWANG, Hyun-Jeong YOO, Jae-Min PARK (*Sejong University, Korea*), Won-Jun LEE

EMP-P3-037

Synthesis of nano-silicon and graphite hybrid using radio frequency-thermal plasma
Kyu-Hang LEE (*Kwangwoon University, Korea*), Myoung-Sun SHIN, Soon-Jik LEE, Sun-Yong CHOI,
Guang-Sub CHO, Sung-Man LEE, Seong-In KIM

THURSDAY

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