

## Poster session

Presentation code	Presenter	Title
<b>PP01</b>	Songlin ZUO (College of Chemical Engineering, Nanjing Forestry University, China)	Secondary Reactions of Pyrolysis Volatiles from Wood Sawdust
<b>PP02</b>	Seung-Min HWANG (The Faculty of Co-op, Hoseo University, Korea)	Analysis of GHGs Reduction Potential using LEAP Model from Power-Generating Facilities
<b>PP03</b>	Kutub UDDIN (Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, Japan)	Adsorption of Ethanol onto Carbon Based Adsorbents
<b>PP04</b>	Dong-Hyun PECK (Korea Institute of Energy Research, KIER, Korea)	Performance of a 20W Direct Methanol Fuel Cell Stack With the Bipolar Plates Using Plastic and Metal Materials
<b>PP05</b>	Jitong WANG (State Key Laboratory of Chemical Engineering, East China University of Science and Technology, China)	Mesoporous Carbon-Supported Solid Amine Sorbents for Low-Temperature Carbon Dioxide Capture
<b>PP06</b>	Jin-Young JUNG (Department of Applied Chemistry and Biological Engineering, Chungnam National University, Korea)	Effect on Water Vapor Adsorption Capacity of Thermally Fluorinated Carbon Molecular sieves
<b>PP07</b>	Yu-Jin HAN (Institute for Materials Chemistry and Engineering, Kyushu University)	Electrochemical Properties of Coal Tar Pitch-Coated Graphites as Anode Materials for Li-Ion Batteries
<b>PP08</b>	Doo Won KIM (Department of Polymer Engineering, Chonnam National University, Korea)	Mercury Ion Adsorption on Activated Carbon and Activated Carbon Fiber in Aqueous Solution
<b>PP09</b>	Chang YU (School of Chemical Engineering, Dalian University of Technology, China)	Carbon Nanohybrids for High Performance Supercapacitors
<b>PP10</b>	Jiyoung KIM (Advanced Energy Technology, University of Science & Technology, Korea)	The Effects of Surface Treatment of Activated Carbon on Capacitive Deionization
<b>PP11</b>	Koichiro HATA (Institute for Materials Chemistry and Engineering, Kyushu University)	Elucidation of Surface Properties of Carbon Blacks by Solid-State NMR Using Water Molecule as a Surface Probe

Presentation code	Presenter	Title
<b>PP12</b>	Dayoung LEE (Department of Applied Chemistry and Biological Engineering, Chungnam National University, Korea)	Preparation and EDLC Performance of Activated Carbon Nanofibers by Physicochemical Activation
<b>PP13</b>	Ruowen FU (School of Chemistry and Chemical Engineering, Sun Yat Sen University, China)	Studies on the Binders for Supercapacitor Electrodes
<b>PP14</b>	Ji Sun IM (Division of Green Chemistry & Engineering, Korea Research Institute of Chemical Technology, KRICT, Korea)	Soft Carbon Derived from Pitch for Anode of Lithium Ion Battery
<b>PP15</b>	Yuzo OHATA (Institute for Materials Chemistry and Engineering, Kyushu University)	Control of Closed Pore Structure in Carbon Materials Derived from Different Pitch Precursors
<b>PP16</b>	Ayu Tyas Utami NUGRAHENNY (University of Science and Technology, UST, KIER, Korea)	The Application of Carbon Black as Conductive Material for Capacitive Deionization
<b>PP17</b>	Xianying QIN (Engineering Laboratory for Functionalized Carbon Materials and Key Laboratory of Thermal Management Engineering and Materials, Tsinghua University, China)	Hierarchical Spherical Si/C@C Composite as Anode Material for Lithium-Ion Batteries
<b>PP18</b>	Ji-Hyun KIM (Department of Applied Chemistry and Biological Engineering, Chungnam National University, Korea)	The Electrochemical Performance of an Enzymatic Glucose Biosensor Electrode Using Mesoporous Activated Carbon Fiber by K <sub>2</sub> CO <sub>3</sub> Activation
<b>PP19</b>	Hyun-Sig KIL (Institute for Materials Chemistry and Engineering, Kyushu University)	Influence of Surface Functional Groups on Ethanol Adsorption Behavior in Activated Carbons for Adsorption Heat Pump Application
<b>PP20</b>	Seon Ho LEE (University of Science and Technology, UST, KIER, Korea)	Pore Control of Activated Carbon by Selective Catalytic Gasification and Growth of Carbon Nanofibers
<b>PP21</b>	Zheng-Hong HUANG (School of Materials Science and Engineering Tsinghua University, China)	Electrospun Carbon Nanofiber Webs from Phenolic Resin for High-Efficiency Capacitive Deionization

Presentation code	Presenter	Title
<b>PP22</b>	Koo-Seung CHUNG (Korea Institute of Energy Research, KIER, Korea)	Corrosion Properties and Cell Performance of CrN, TiCrN Coated Stainless Steel 430
<b>PP23</b>	Jian-Xiao YANG (Institute for Materials Chemistry and Engineering, Kyushu University)	Preparation of Spinnable Isotropic Pitch Through the co-Carbonization of Bio-residue with Ethylene Bottom Oil
<b>PP24</b>	Dong-Ryul SHIN (Korea Institute of Energy Research, KIER, Korea)	Operating Characteristics of a Tubular Direct Carbon Fuel Cell Based on a General Anode Support Solid Oxide Fuel Cell
<b>PP25</b>	Lingping KONG (State Key Laboratory of Chemical Engineering, East China University of Science and Technology, China)	Active Edge-enriched T-Nb <sub>2</sub> O <sub>5</sub> with Li <sup>+</sup> Intercalation Pseudocapacitive
<b>PP26</b>	Dong-Hyun PECK (Korea Institute of Energy Research, KIER, Korea)	Preparation of Silica Doped and Undoped Pt-Ru/Carbon Catalysts from Rice Husks, and Their Performance for Direct Methanol Fuel Cells
<b>PP27</b>	Taegon KIM (Institute for Materials Chemistry and Engineering, Kyushu University)	Analysis on Metal Species of Kuwait Atmospheric Residues
<b>PP28</b>	Yumi OH (Yonsei University, KIER, Korea)	Improved Performance Using Tungsten Carbide/Carbon Nanofiber Based Anode Catalysts for Alkaline Direct Ethanol Fuel Cells
<b>PP29</b>	Fugen SUN (State Key Laboratory of Chemical Engineering, East China University of Science and Technology, China)	Bottom-Up Catalytic Approach towards Nitrogen-Enriched Mesoporous Carbons/ Sulfur Composites for Superior Li-S Cathodes
<b>PP30</b>	Se-jun PARK (Department of Chemical and Biomolecular Engineering, Yonsei University, Korea)	Modification of Carbon Electrode for Redox Flow Battery (RFB)
<b>PP31</b>	Taegon KIM (Institute for Materials Chemistry and Engineering, Kyushu University)	GC-AED Analysis on (Alkyl)Benzenes in Hydrocracked LCO
<b>PP32</b>	Hyeoung-su KIM (The specialized graduate school of Hydrogen & Fuel cells, Yonsei University, Korea)	Development of Nitrogen Doped Hybrid Carbon as Support for High Temperature PEMFC Cathode Catalyst

Presentation code	Presenter	Title
<b>PP33</b>	Jingtang ZHENG (State of Key Laboratory of Heavy Oil Processing, China University of Petroleum, China)	Synthesis and Characterization of 3D Ordered Multimodal Porous Carbons and Coating TiO <sub>2</sub> Nanoparticles into the Surface as a Photocatalys
<b>PP34</b>	Yongil CHO (Department of Chemical and Biomolecular Engineering, Yonsei University, Korea)	Synthesis and Electrochemical Behaviors of Hybrid Carbon (ACF/Graphene) as Supports by Microwave-Irradiation Method for Polymer Exchange Membrane Fuel Cells
<b>PP35</b>	Taegon KIM (Institute for Materials Chemistry and Engineering, Kyushu University)	Introduction to Nano-Gate of TCNF as a Structural Defect
<b>PP36</b>	Ulziidelger BYAMBASUREN (Department of Chemical and Biomolecular Engineering, Yonsei University, Korea)	B, P and N Doping Effects of Mesoporous Carbons on the Oxygen Reduction Reaction in PEMFC
<b>PP37</b>	Xiaomin WANG (College of Materials Science and Engineering, Taiyuan University of Technology, China)	Influence of the Resistance Performance of Graphene Film by Vacuum Treatment
<b>PP38</b>	Dong Hun LEE (Department of Polymer Engineering, Chonnam National University, Korea)	Preparation of Mesophase Pitch Based Carbon Fibers from Fluidized Catalytic Cracking Decant Oils
<b>PP39</b>	Chanmin LEE (Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, Japan)	Nanofibrous Ag-CeO <sub>2</sub> Catalyst for Diesel Soot Combustion
<b>PP40</b>	Jandee KIM (Department of Chemistry, Chungnam National University, Korea)	New Method of Preparing Monoatomic Pt Islands on Au(111) Using Irreversible Adsorption of Pt and Selective Adsorption of CO to Pt
<b>PP41</b>	Ying ZHOU (School of Chemical Engineering, Dalian University of Technology, China)	Synthesis of B, N Co-doped Porous Carbon from Asphaltene
<b>PP42</b>	Yonggang WANG (School of Chemical and Environmental Engineering, China University of Mine, China)	Selective Extraction of Compounds from Low Temperature Coal Tar