

**Posters**  
**Oct. 31 (Monday) 19:00-21:00**

No.	Title & Author
P-001	<b>Characterization of YSZ-to-Steel Joint with Ag-Cu-Pd Interlayer for SOFC Applications using Transmission Electron Microscopy</b> <i>Kun-Lin Lin, Mrityunjay Singh, Rajiv Asthana</i>
P-002	<b>Synthesis and Characterization of Al and Mn-stablized <math>\alpha</math>-nickel Hydroxide as Cathode Material</b> <i>Li-Hsing Kao, Minh-Tho Nguyen, Kan-Sen Chou</i>
P-003	<b>Oriented Ti Doped Hematite Thin Film as Active Photoanodes Synthesized by Facile APCVD</b> <i>Peng Zhang, Alan Kleiman-Shwarsstein, Yong-Sheng Hu, Jarrod Lefton, Sudhanshu Sharma, Arnold J. Formand, Eric McFarland</i>
P-004	<b>Nickel Ferrite as Oxygen Carriers for Chemical Looping Process and Hydrogen Generation</b> <i>Yu-Lin Kuo, Yu-Han Chen, Ming-Hsiou Lu, Wei-Mau Hsu, Young Ku, Yao-Hsuan Tseng, Cheng-Chou Tsai</i>
P-005	<b>Photocatalytic Behaviors of TiO<sub>2</sub>-SrTiO<sub>3</sub> Composite Thin Film and Nanostructure</b> <i>Chun-Hsien Chen, Jay Shieh, Chao-Sung Lin, Jing-Jong Shyue</i>
P-006	<b>Microstructure and Optoelectronic Properties of Transparent Conductive ZnO/Ru/ZnO Multilayer Thin Films</b> <i>H. Zhong, X. S. Deng, Y. C. Liang</i>
P-007	<b>Growth of Transparent Conducting Indium Oxide-based Electrodes on Perovskite Substrates for Applications of Functional Devices</b> <i>C. Y. Hu, C. L. Huang, Y. C. Liang</i>
P-008	<b>Co-intercalated Co-Ni Hydroxides Nanosheets as Electrode Materials for Supercapacitors</b> <i>Xiaobo He, Peng Zhang, Lian Gao</i>
P-009	<b>Fabrication of LiMPO<sub>4</sub> Glass Ceramics for Rechargeable Lithium Ion Battery</b> <i>Tsuyoshi Honma<sup>1</sup>, Takayuki Komatsu</i>
P-010	<b>Preparation of Garnet Structured Cubic Li<sub>7</sub>La<sub>3</sub>Zr<sub>2</sub>O<sub>12</sub> by Sol-gel Technique</b> <i>Narayanasamy Janani, S. Ramakumar, L. Dhivya, C. Deviannapoorani, K. Saranya, Ramaswamy Murugan</i>
P-011	<b>A Novel Ferrite + Dielectric Ceramic Composite for EMI Filter Application</b> <i>Yeh-Wu Lao, Huey-Ru Chen</i>
P-012	<b>SnO/TiO<sub>2</sub> Composite Anode Materials for Lithium-ion Batteries</b> <i>Jun-Wei Huang, Yu-Chun Chen, Chia-Chin Chang</i>
P-013	<b>Phase Transformation Analysis of the SiO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub>-B<sub>2</sub>O<sub>3</sub> Glass-Alumina LTCC System by using Rietveld Method</b> <i>Wan-Chun Kuan, Wei-Hsing Tuan</i>
P-014	<b>Corrosion of Fe-2.25%Cr-1%Mo Steels at 600-800°C in N<sub>2</sub>/H<sub>2</sub>O/H<sub>2</sub>S Atmospheres</b> <i>Min Jung Kim, Dong Bok Lee</i>
P-015	<b>Hydrothermal Corrosion of Alumina Ceramics for Geothermal Energy Harvesting</b> <i>D. Galusková, J. Kraxner, M. Hnatko, D. Galusek, P. Šajgalík</i>
P-016	<b>Influence of Interfacial Phases on Thermal Conduction through the Eutectic Bonded Cu/Al<sub>2</sub>O<sub>3</sub> Interface</b> <i>Shao-Kuan Lee, Wei-Hsing Tuan</i>

P-017	<b>Humidity Sensing Behavior of a Composite Structure Consisting of Nanoporous Alumina and Piezoelectric Layers</b> <i>Po-Cheng Huang, Jay Shieh</i>
P-018	<b>Mullite/ Carbon Nanotube/ Carbon Fiber Cloth Composites Prepared through TEOS and Boehmite Catalytic Sol-Gel Impregnation and Vapor Phase Growth</b> <i>Kuo-Jung Lee, Chia-Nan Tai, Sheng-Feng Huang, Huy-Zu Cheng</i>
P-019	<b>Multiple Filtering Properties in High-Temperature Superconducting Photonic Crystals at Terahertz Frequency</b> <i>Chien-Jang Wu</i>
P-020	<b>Factors Determining Microstructural Evolution of Si<sub>3</sub>N<sub>4</sub> Based Nanocomposites in Spark Plasma Sintering: The Case of Heating Rate</b> <i>Ching-Huan Lee, Horng-Hwa Lu, Chang-An Wang, P. K. Nayak, Jow-Lay Huang</i>
P-021	<b>Growth of Single- and Multi- layer Graphene on Ni Substrates for Spinodal Decomposition Phenomenon</b> <i>Chan-Jung Hsu, Pramoda K. Nayak, Sheng-Chang Wang, James C. Sung, Chiang-Lun Wang, Chung-Lin Wu, Jow-Lay Huang</i>
P-022	<b>Synthesis of W-species /Alumina Composite Ceramics using MOCVD Followed by Spark Plasma Sintering (SPS)</b> <i>Wei-Hsio Chen, Hao-Tung Lin, Pramoda K. Nayak, Jow-Lay Huang</i>
P-023	<b>Ordered ZnO/AZO/PAM Nanowire Arrays Prepared by Seed-layer-assisted Electrochemical Deposition</b> <i>Yu-Min Shen, Chih-Huang Pan, Sheng-Chang Wang, Jow-Lay Huang</i>
P-024	<b>First Principles Study of the Structure and Electronic Properties of Amorphous HfO<sub>2</sub></b> <i>Tsung-Ju Chen, Chin-Lung Kuo</i>
P-025	<b>Frist-principles Study of the Liquid Li-Si Alloys: Structures and Dynamics</b> <i>Han-Hsin Chiang, Chin-Lung Kuo</i>
P-026	<b>The Electronic Properties of Graphene on SiO<sub>2</sub> Substrates</b> <i>Chi-Jen Yang, Chin-Lung Kuo</i>
P-027	<b>Effect of Nickel Oxide Addition on the Fracture Toughness of Yttria-stabilized Zirconia / 20wt.%Alumina Composite</b> <i>Chiao-Wei Cheng, Wei-Hsing Tuan</i>
P-028	<b>Evolution of Semiconductor Properties of Yttrium-doped Barium Titanate Ceramics</b> <i>Chun-Ming Huang, Jay Shieh</i>
P-029	<b>Low Temperature Preparation of PLZT Ferroelectric Films on ITO Coated Glass Substrates</b> <i>Yu-Wei Lu, Jay Shieh</i>
P-030	<b>Synthesis and Lithium Storage Properties of LiCoO<sub>2</sub> via Hydrothermal Process</b> <i>Kuan-Zong Fung , Chung-Ta Ni</i>
P-031	<b>Interface Stability of Lanthanum Strontium Vanadate (LSV) Electrode and Yittria Stabilized Zirconia Electrolyte for SOFC Applications</b> <i>Chi-Yang Liu, Kuan-Zong Fung</i>