

## Poster List, Sept. 24 (Mon) 13:00-15:00

- PS1 “Anodic Behavior of Ti Electrode in Eutectic LiCl-KCl Melt”  
Daichi Araki, Taiki Morishige, Toshihide Takenaka  
(Kansai University, Japan)
- PS2 “Manganese Oxide Supercapacitors with Butylmethylpyrrolidinium–dicyanamide Ionic Liquid Electrolyte”  
Jengkuei Chang<sup>1</sup>, Yunshan Li<sup>2</sup>, Chungjui Su<sup>2</sup>, Iwen Sun<sup>2</sup>,  
Mingsung Lee<sup>1</sup>, Huiying Li<sup>1</sup>  
(1 National Central University, Taiwan; 2 National Cheng Kung University, Taiwan)
- PS3 “Synthesis and Properties of ( $\mu$ -oxo)bis[trichloroferrate(III)] Dianion Salts Incorporated with Dicationic Moiety”  
Juicheng Chang<sup>1</sup>, Wenyueh Ho<sup>2</sup>, Iwen Sun<sup>1</sup>, Yukai Chou<sup>2</sup>,  
Hsinhsiu Hsieh<sup>2</sup>, Tziyi Wu<sup>1</sup>, Shihshin Liang<sup>1</sup>  
(1 National Cheng Kung University, Taiwan;  
2 Chia Nan University of Pharmacy & Science, Taiwan)
- PS4 “Preparation of Halide-free Ionic Liquids Using Carbonate Anions”  
Fulin Chen, Iwen Sun, F.-C. Chang, Chungjui Su, H. Paul Wang  
(National Cheng Kung University, Taiwan)
- PS5 “The Preparation and Application of Ionic Liquid-Graphite Composite Electrodes”  
Hao Cheng, Jyunda Chen, Poyu Chen  
(Kaohsiung Medical University, Taiwan)
- PS6 “Electrochemical Reduction of Oxidized Neodymium Scrap in CaCl<sub>2</sub>–CaO Melt”  
Ryunosuke Enmei, Hiromichi Nishiyama, Tatsuya Kikuchi, Ryosuke O. Suzuki  
(Hokkaido University, Japan)
- PS7 “Liquidus Temperature of LiF-LiCl-Li<sub>2</sub>O Melts”  
Bingliang Gao, Dong Shi, Junyue Qu, Zhongning Shi, Xianwei Hu, Zhaowen Wang  
(Northeastern University, China)
- PS8 “A Comparative Study on Electrochemical Behavior of Lu ions from Lu<sub>2</sub>O<sub>3</sub> and LuCl<sub>3</sub> Chlorinate in LiCl-KCl Melts”  
Wei Han, Yunxia Sun, Milin Zhang, Yi Sun, Canfeng Zhao, Tao Jiang  
(Harbin Engineering University, China)
- PS9 “The Electrochemical Behavior of Tb(III) on Ni Electrodes in LiCl-KCl Eutectic Melts at 773 K”  
Wei Han, Qingnan Sheng, Milin Zhang, Hailing Jiang  
(Harbin Engineering University, China)
- PS10 “Electrochemical Behavior of Lanthanum at Mo and Ni Electrodes in LiCl-KCl Melts at 773 K”  
Wei Han, Hailing Jiang, Milin Zhang, Qingnan Sheng  
(Harbin Engineering University, China)

- PS11 “The Electrochemical Behavior of Pr(III) in Eutectic LiCl-KCl Molten Salt at 873 K at Different Electrodes”  
Wei Han, Wei Li, Miling Zhang, Yaochen Liu  
 (Harbin Engineering University, China)
- PS12 “Cyclic Voltammetry of Lead in Ionic Liquid with or without Sulfuric Acid Aqueous Solution”  
Nobumitsu Hirai  
 (Suzuka National College of Technology, Japan)
- PS13 “Local Structure Around Uranyl Ion in Concentrated Aqueous Solution of LiCl by MD Simulation”  
Yoshiki Ishii<sup>1</sup>, Yuta Nagata<sup>1</sup>, Norikazu Ohtori<sup>1</sup>, Akihiro Uehara<sup>2</sup>,  
 Toshiyuki Fujii<sup>2</sup>, Hajime Yamana<sup>2</sup>, Kazuo Minato<sup>3</sup>  
 (1 Niigata University, Japan; 2 Kyoto University, Japan;  
 3 Japan Atomic Energy Agency, Japan)
- PS14 “Conversion of CO<sub>2</sub> to CO by Electrolysis of Molten Li<sub>2</sub>CO<sub>3</sub>-Li<sub>2</sub>O Melt and Conditions of Li<sub>2</sub>CO<sub>3</sub>-Li<sub>2</sub>O Melt Stability in Air”  
Valery Kaplan, Igor Lubomirsky  
 (Weizmann Institute of Science, Israel)
- PS15 “Electrorefining of Titanium from Bi-Ti Alloy in Molten Salt”  
Akihiro Kishimoto, Sho Maruyama, Shuhei Arisawa, Yuya Kado,  
 Yoshitaro Nose, Tetsuya Uda  
 (Kyoto University, Japan)
- PS16 “Electrochemical Formation of Pr-Ni Alloys in Molten LiF-CaF<sub>2</sub>-PrF<sub>3</sub>”  
Katsuya Kondo, Koji Yasuda, Toshiyuki Nohira, Rika Hagiwara  
 (Kyoto University, Japan)
- PS17 “The Study of Electrochemical Behavior of Nd(III) on Ni Electrode in LiCl-KCl Molten Salts at 723 K”  
 Mei Li, Yaochen Liu, Wei Han, Milin Zhang, Wei Li  
 (Harbin Engineering University, China)
- PS18 “Preparation of nano-Fe<sub>69</sub>Cr<sub>18</sub>Ni<sub>9</sub>Cu<sub>4</sub> Alloy Powder by Chemical Co-precipitation Hydrogen Reduction”  
Zaiyuan Li, Qian Xu, Ying Li  
 (Northeastern University, China)
- PS19 “Formation of Carbon Nitride Powder by Cathode Discharge Electrolysis in Molten Salt”  
Yuki Matsumoto, Takuya Goto, Yasuhiko Ito  
 (Doshisha University, Japan)
- PS20 “Structural Investigations of Aluminoborosilicate Glasses containing MoO<sub>3</sub> by Solid-state NMR”  
Ryusuke Monden<sup>1</sup>, Kenzo Deguchi<sup>2</sup>, Shinobu Ohki<sup>2</sup>, Tadashi Shimizu<sup>2</sup>,  
 Shin Nishiyama<sup>1</sup>, Yasuhiko Iwadate<sup>1</sup>, Takahiro Ohkubo<sup>1</sup>  
 (1 Chiba University, Japan; 2 National Institute for Materials Science, Japan)

- PS21 “Interionic Interaction in Sodium Borate Glasses”  
Yuta Negishi<sup>1</sup>, Masanori Sakaue<sup>1</sup>, Koichi Shiraki<sup>2</sup>, Yoshiki Ishii<sup>1</sup>, Norikazu Ohtori<sup>1</sup>  
 (1 Niigata University, Japan; 2 Nippon Sheet Glass Co. Ltd., Japan)
- PS22 “Electronic Polarizability of a Hydroxide Ion Estimated from Refractive Indexes and Molar Volumes of Molten NaOH-NaNO<sub>3</sub> Eutectic”  
Ryosuke Ohnishi, Takahiro Ohkubo, Yasuhiko Iwadate  
 (Chiba University, Japan)
- PS23 “Dissolution Behavior of Na<sub>2</sub>O-B<sub>2</sub>O<sub>3</sub> Glass using Micro-channel Flow-through Test Method”  
Yohei Ohsasa<sup>1</sup>, Yaohiro Inagaki<sup>2</sup>, Shin Nishiyama<sup>1</sup>, Yasuhiko Iwadate<sup>1</sup>, Takahiro Ohkubo<sup>1</sup>  
 (1 Chiba University, Japan; 2 Kyushu University, Japan)
- PS24 “The Flat-band Potential of an n-type Titanium Dioxide in Ionic Liquid Containing Bromide Ions”  
Hiroaki Ota, Yasushi Katayama, Takashi Miura  
 (Keio University, Japan)
- PS25 “Molecular model of the melts solidification”  
 Valeriy V. Pavlov<sup>1</sup>, Alexei M. Potapov<sup>2</sup>  
 (1 Ural State Mining University, Russia; 2 Russian Academy of Sciences, Russia)
- PS26 “Electronic Spectra of Sm<sup>3+</sup> in Molten Fluorides”  
Alexei M. Potapov, Alexei S. Payvin, Alexander A. Khokhryakov  
 (Russian Academy of Sciences, Russia)
- PS27 “Formation of Ag Alloy Particles in the Glass by Ion Exchange Treatment in Molten Salt”  
Yuko Sakai, Mikito Ueda, Toshiaki Ohtsuka  
 (Hokkaido University, Japan)
- PS28 “Electrochemical Formation of Aluminum Alloy Film in LiCl-KCl-CsCl”  
Yoshihide Sakanaka<sup>1</sup>, Takuya Goto<sup>1</sup>, Ken Hachiya<sup>2</sup>  
 (1 Doshisha University, Japan; 2 Kyoto University, Japan)
- PS29 “Formation of Titanium oxide with Visible Light Activity in Molten Salt”  
Tatsuro Sasa, Takuya Goto, Yasuhiko Ito  
 (Doshisha University, Japan)
- PS30 “Electrodeposition of Aluminum Wires from the AlCl<sub>3</sub>/trimethyl Hydrochloride Ionic Liquid”  
Chungjui Su<sup>1</sup>, Tziyi Wu<sup>2</sup>, Yulin Sun<sup>1</sup>, Poyu Chen<sup>3</sup>, Paul H. Wang<sup>1</sup>, Iwen Sun<sup>1</sup>  
 (1 National Cheng Kung University, Tainan; 2 National Yunlin University of Science & Technology, Taiwan; 3 Kaohsiung Medical University, Taiwan)

- PS31 “Electrodeposition of FeCoZn Alloys from the Zinc Chloride-based Ionic Liquid”  
Chungjui Su, Paul H. Wang, Dingxuan Zhuang, Jiaming Yang, Iwen Sun  
 (National Cheng Kung University, Taiwan)
- PS32 “Development of Technology for Separation of Melted Nuclear Fuel  
 at Power Plants Suffering Severe Accidents”  
Yuya Takahashi, Hitoshi Nakamura, Koji Mizuguchi, Reiko Fujita,  
 Takashi Omori, Akira Ikeda  
 (Toshiba Corporation, Power Systems Company, Japan)
- PS33 “Condition of Metal Fog Formation in LiCl-KCl Melt and Its Prevention  
 by Li<sub>2</sub>O Addition”  
Ryosuke Takayanagi, Taiki Morishige, Toshihide Takenaka  
 (Kansai University, Japan)
- PS34 “Electrolytic Reduction of SiO<sub>2</sub> Powder in Molten CaCl<sub>2</sub>”  
Tetsuya Toba<sup>1</sup>, Koji Yasuda<sup>1,2</sup>, Toshiyuki Nohira<sup>1,2</sup>, Rika Hagiwara<sup>1,2</sup>,  
 Koki Ichitsubo<sup>3</sup>, Kenta Masuda<sup>4</sup>, Takayuki Homma<sup>2,4</sup>  
 (1 Kyoto University, Japan; 2 JST-CREST, Japan;  
 3 Taiheiyo Cement Co., Japan; 4 Waseda University, Japan)
- PS35 “Electrochemical Behavior of Metal Oxides in Molten Fluoride Systems”  
Fumiya Tsujii, Takuya Goto, Ken Hirota  
 (Doshisha University, Japan)
- PS36 “CO<sub>2</sub> decomposition and Formation of CNT by molten salt electrolysis”  
Takuya Uchiyama, Norihito Sakaguchi, Koya Otake, Tatsuya Kikuchi,  
 Ryosuke O. Suzuki  
 (Hokkaido University, Japan)
- PS37 “Electrochemical Formation of Silicides on Si Wafer in Molten Salt”  
Shohei Ueda, Takuya Goto  
 (Doshisha University, Japan)
- PS38 “Electrochemical Characteristics of Various Graphite Electrodes  
 in Room-temperature Ionic Liquid”  
 Koichi Ui, Tomohiro Karouji, Jun Towada, Yoshihiro Kadoma, Naoaki Kumagai  
 (Iwate University, Japan)
- PS39 “Anodic Reaction on Carbon Materials in LiCl-KCl Melt”  
Masaki Umehara, Taiki Morishige, Toshihide Takenaka  
 (Kansai University, Japan)
- PS40 “Density and Surface Tension for 1-methyl-3-pentylimidazolium and  
 1,2-dimethyl-3-pentylimidazolium-based Ionic Liquids with  
 bis(trifluoromethanesulfonyl)imide Anion  
Tziyi Wu<sup>1</sup>, Borkuan Chen<sup>2</sup>, Chichang Chen<sup>3</sup>, Chungjui Su<sup>3</sup>,  
 Chungwen Kuo<sup>4</sup>, Iwen Sun<sup>3</sup>  
 (1 National Yunlin University of Science and Technology, Taiwan;  
 2 Kun Shan University, Taiwan; 3 National Cheng Kung University, Taiwan;  
 4 National Kaohsiung University of Applied Sciences, Taiwan)

- PS41 “Electrochemical Characterizations of Cyclic Ammonium Based Ionic Liquids with Allyl Substituents”  
Tziyi Wu<sup>1</sup>, Chichang Chen<sup>2</sup>, Yuanchung Lin<sup>3</sup>, Paul H. Wang<sup>2</sup>,  
Shyhgang Su<sup>2</sup>, Chungwen Kuo<sup>4</sup>, Iwei Sun<sup>2</sup>  
(1 National Yunlin University of Science and Technology, Taiwan;  
2 National Cheng Kung University, Taiwan; 3 National Sun Yat-Sen University, Taiwan;  
4 National Kaohsiung University of Applied Sciences, Taiwan)
- PS42 “Electrowinning of Li from LiOH by BDD Anode and Tungsten Cathode”  
Kenichiro Yoshida, Mikito Ueda, Toshiaki Ohtsuka  
(Hokkaido University, Japan)
- PS43 “Electrode Reaction of Iron Phenanthroline Complexes in an Amide-type Ionic Liquid”  
Mami Yoshihara, Yasushi Katayama, Takashi Miura  
(Keio University, Japan)
- PS44 “The Equilibrium between Titanium Ions and Titanium Metal in NaCl-KCl Equimolar Molten salt”  
Qiuyu Wang, Guojing Hu, Xiaobo Zhu, Hongmin Zhu  
(University of Science and Technology Beijing, China)
- PS45 “Study on Electrochemical Preparation of Al-Li-Er Alloys from Er<sub>2</sub>O<sub>3</sub> in LiCl-KCl-AlCl<sub>3</sub> Molten Salts”  
Milin Zhang, Yi Sun, Wei Han, Yusheng Yang, Tao Jiang  
(Harbin Engineering University, China)