Poster List

1	**Electrochemical Characterization of NIMs for Lithium Ion Battery Electrolytes** *by Michael A. Lowe and Professor Héctor D. Abruña*
2	**Soluble Pentacene Derivatives as Acceptors for Organic Solar Cells** *by Yee-Fun Lim, Ying Shu, Sean R. Parkin, John E. Anthony and Professor George G. Malliaras*
3	**Novel Process of Fabricating Ti02 Thin Films at Low Temperature and their Application to Electronic Devices** *by Chung-Han Wu, Hanying Li, Hon Hang Fong, Professor Lara A. Estroff and Professor George G. Malliaras*
4	**Copolymerization of Epoxides, Cyclic Anhydrides and CO2: New Energy Efficient Routes to Degradable Polymers** *by Ryan Jeske, Angela M. Diccio, John M. Rowley and Professor Geoffrey W. Coates*
5	**Characterization of VLS Inorganic Semiconducting Nanowires** *by Brian Bryce, M. Levendorf and Professor S. Tiwari*
6	**One-pot Synthesis of Electrocatalyst Nanoparticles Incorporated inside Highly crystalline Mesoporous Transition Metal Oxides for Fuel Cell Applications** *by Chris Orilall, Futoshi Matsumoto, Qin Zhou, Hiroaki Sai, Professor Héctor D. Abruña, Professor Frank Disalvo and Professor Ulrich B. Wiesner*
7	**Synthesis of Mesoporous Silica Nanoparticles Incorporating of Magnetic Nanoparticles** *by Terraporn Suteewong, H. Sai, J. Lee A. Burns, E. Herz and Professor Ulrich B. Wiesner*
8	**Modeling of Block Copolymer Nanoparticle Composite** *by Kahyun Hur, Professor Richard G. Hennig, Professor Fernando Escobedo and Professor Ulrich B. Wiesner*
9	**Single Crystal Nanostructured Arrays using Pulse Laser Annealing of Block Copolymer Derived Thin Films** *by Hitesh Arora, Phong Du, Jerome Hyun, Professor David Muller, Professor Michael Thompson and Professor Ulrich B. Wiesner*
10	***Core-Shell Silica Nanoparticles as Benign Fluorescent Imaging Probes*** *by Erik Herz, Andrew Burns and Professor Ulrich B. Wiesner*
11	***Three Component Porous-Carbon-Titania Nanocomposites through Self-Assembly of ABCAB Block Terpolymers with Titania Sols*** *by Morgan Stefic, Hiroaki Sai, Kenneth Sauer, Professor Sol M. Gruner, Professor Frank DiSalvo and Professor Ulrich B. Wiesner*
12	***Morphology Control in Block Copolymer-Metal Nanoparticle Hybrid Materials*** *by Hiroaki Sai, Zihui Li, Scott C. Warren, Professor Sol M. Gruner and Professor Ulrich B. Wiesner*
13	***Mechanical and Interfacial Properties of Natural Cellulosic Fiber-Reinforced*** *by Jun Tae Kim and Professor Anil N. Netravali*
14	***'Green' Composites; Based on Recycled Paper Products and Starch-Based Resin*** *by Alexandra Sonis and Professor Anil N. Netravali*
15	***Investigation of Bacterial Cellulose (BC) Base "Green" Composites*** *by Kaiyan Qiu and Professor Anil N. Netravali*
16	***Preparation and Properties of Soft Wood Pulp Reinforced Soy Flour Fiber*** *by H. Kumar and Professor Anil N. Netravali*

17	***Development of Soy-based Biodegradable Fibers for Soil Stabilization*** *by Senthil Kumar, Jeffrey Gardner, Professor Michael P. Hoffman and Professor Anil N. Netravali*
18	***Exploring the Use of Induced Negative Viscosity Effects in Polymer Processing*** *by Alejandra Andere-Jones and Professor Juan P. Hinestroza*
19	***Low Pressure Plasma Treatment of Polyester Fabrics to Improve Dyebility*** *by Camila S. Flor and Professor Juan P. Hinestroza*
20	***Synthesis of Porous Nylon Nanofibers for Hydrogen Storage*** *by Laura McJilton, Hiroyasu Furukawa and Professor Juan P. Hinestroza*
21	***Experiment of flow Containing Nano-Particles through Electro-Statically Charged Monolith Filters*** *by Huaning Zhu and Professor Juan P. Hinestroza*
22	***Preparation and Characterization of Soy Protein/Polymer Hybrid Nanofibers*** *by Deahwan Cho, Olivia Nnadi, Professor Anil Netravali and Professor Yong L. Joo*
23	***Fabrication of Inorganic/Metal Hydrid Nanofibers with Application to H2 Generation via Alkaline Hydrothermal Treatment*** *by Nate Hansen and Professor Yong L. Joo*
24	***Supercritical Carbon Dioxide Developable Molecular Glass Resists for 193nm Lithography*** *by Jing Sha, Marie Krysak, Jin Kyun and Professor Christopher K. Ober*
25	***Environmentally benign Development of Polymer Photoresists Using Supercritical Carbon Dioxide*** *by Christine Ouyang, Abhinav Rastogi, Manabu Tanaka, Gregory N. Toepperwein, Robert A. Riggleman, Juan J. de Pablo and Professor Christopher K. Ober*
26	***Lithographic Patterning and Orthogonal Processing of Organic Electronics*** *by Priscilla G. Taylor, Jin-Kyun Lee, Alexander A. Zakhidov, Margarita Chatzichristdi, John A. deFranco, Hon Hang Fong, Eisuke Murotani, Professor George G. Malliaras and Professor Christopher K. Ober*
27	**Environmentally-Friendly Surface Active Block Copolymers (SABC) for Antibiofouling Applications** *by Harihara S. Sundaram, Youngjin Cho, Craig Weinman, Michael Dimitriou, Edward J. Kramer and Professor Christopher K. Ober*
28	***Antibiofouling Polymer Coating for Reverse Osmosis Membrane*** *by Heloise Therien-Aubin, Lin Chen and Professor Christopher K. Ober*
29	***Applications of Advanced ionic Nanocomposites*** *by Jason Fang, Haris Retsos, Robert Rodriguez and Professor Emmanuel P. Giannelis*
30	***Nanoclay Interactions on Intercalation Kinetics*** *by Loan Vo, Haris Retsos, Alexandre Vermogen and Professor Emmanuel P. Giannelis*
31	***Synthesis and Properties of Solventless Plasmonic Fluid*** *by Rama R. Bhattacharjee, Adrian Radocea, Ruipeng Li, Aram Amassian and Professor Emmanuel P. Giannelis*
32	***Co2 Capture with Hybrid Hierarchy Nanomaterials*** *by Genggeng Qi, Michael Abraham, Xiaonan Duan and Professor Emmanuel P. Giannelis*
33	***The Rheology of Nanoparticle-organic Hybrid Systems*** ***b****y Praveen Agarwal, Haibo Qi and Professor Lynden Archer*
34	***Rheological Properties of NIMS*** *by Haibo Qi and Professor Lynden Archer*
35	**Low-Dimensional Thermoelectric Materials for Low-Cost Energy Applications** *by Mahmut Aksit, Michael Thomas Corbett and Professor Richard D. Robinson*
36	***Synthesis and Characterization of Lead-Salt Quantum-Dot Inonic Liquids*** *by Liangfend Sun, Jason Fang J. Reed, A.C. Bartnik, B.R. Hyun, Professor Frank Wise,*