

The 1<sup>st</sup> China International Symposium on

# Particle Technology

conjugated with the 6th Chinese Society of Particuology Conference  
and the 6th International Powder/Bulk Conference & Exhibition

Sponsored by



Organized by



**CISPT 2008**

***Program***

***December 8-11, Shanghai, China***

***Shanghai Everbright Convention & Exhibition Center***

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# Organization

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<b>Zhengjun Zhang</b>	Tsinghua University, China

## ***Symposium Secretariat***

<b>Dan Mao</b>	Institute of Process Engineering, CAS, China
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## Program at a Glance

<b>Dec. 8</b>		
<b>08:00—20:00</b>	<b>Registration</b>	
<b>Dec. 9</b>		
<b>09:00—10:00</b>	<b>Exhibition</b>	
<b>10:00—12:00</b>	<b>Opening Ceremony &amp; Plenary Lecture</b>	
<b>12:00</b>	<b>Lunch</b>	
<b>13:30—14:50</b>	<b>Opening Ceremony &amp; Plenary Lecture of CISPT2008</b>	
<b>14:50—15:30</b>	<b>Oral Sessions</b>	
<b>15:30—15:45</b>	<b>Coffee Break</b>	
<b>15:45—17:55</b>	<b>Oral Sessions</b>	
<b>18:00</b>	<b>Banquet</b>	
<b>Dec. 10</b>		
<b>08:00—12:00</b>	<b>Poster Sessions</b>	
<b>12:00</b>	<b>Lunch</b>	
<b>13:30—15:20</b>	<b>Oral Presentation Competition for <i>Excellent Graduate Student Paper Award</i></b>	<b>Oral Sessions</b>
<b>15:20—15:40</b>	<b>Coffee Break</b>	
<b>15:40—17:55</b>	<b>Oral Presentation Competition for <i>Young Excellent Paper Award</i></b>	<b>Oral Sessions</b>
<b>18:00</b>	<b>Dinner</b>	
<b>19:00</b>	<b>Excursion</b>	
<b>Dec. 11</b>		
<b>08:00—09:50</b>	<b>Plenary Lecture &amp; Oral Sessions</b>	
<b>10:20—10:30</b>	<b>Coffee Break</b>	
<b>10:30—12:15</b>	<b>Oral Sessions</b>	
<b>12:15</b>	<b>Lunch</b>	
<b>13:30—16:10</b>	<b>Oral Sessions</b>	
<b>16:10—16:20</b>	<b>Coffee Break</b>	
<b>16:20—17:20</b>	<b>Closing Ceremony</b>	

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## General Information

### For Oral Speakers

	Plenary Lecture	Keynote Lecture	Invited Lecture	Oral Presentation	Student Presentation
1st ring	22	12	10	8	6
2nd ring (end of talk)	25	15	12	10	8
3rd ring (end of discussion)	30	20	15	12	10

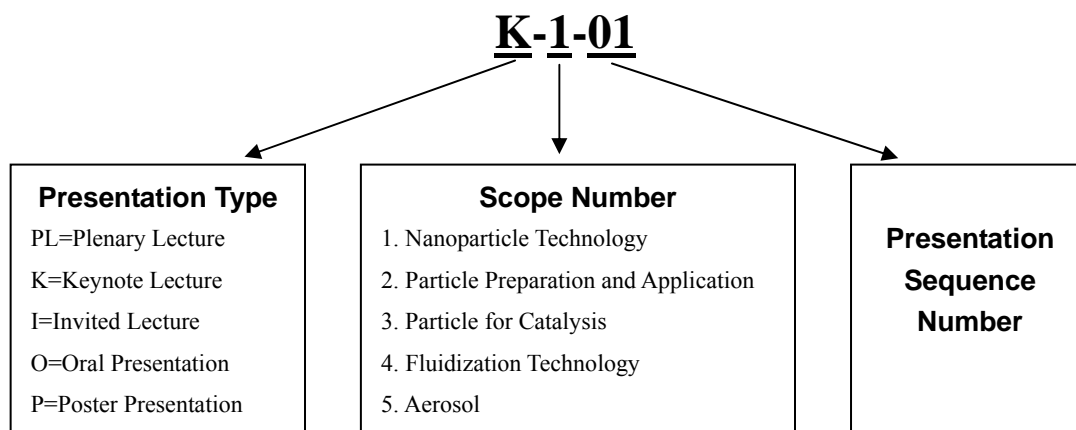
Please bring your file in a USB memory tip. Then, please copy your data into our PC in the interval before your session. Please do not use a CD-ROM, DVD, or floppy disk. The software for the presentation is Microsoft Powerpoint 2003. Please remind that a PC may change the arrangement of figures and characters, and generally, use of fonts in foreign languages may cause a problem. Please do not forget to test the projection on the PC supporting desk.

### For Poster Presenters

Poster sessions are scheduled according to the noticed program. Organizer will supply one upright panel with your poster number and pins.

### Guide for the Presentation ID Number

Every presentation in the symposium, both in oral and poster sessions, is assigned a presentation ID number. Here is what the presentation ID number stands for:



### Name Badges

Name badges are provided for participants. To gain entry to the symposium sessions and social events, please wear your name badges

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## Scientific Program

### ◆◆◆ December 9 (Tue.) Morning ◆◆◆

Room \*\*\*

#### [Opening Ceremony & Plenary Lecture]

- 09:00 **Opening Ceremony of Exhibition**  
10:00 **Opening Ceremony of the 6<sup>th</sup> Chinese Society of Particuology Conference**  
11:30 **(K-1-06)** Colloidal Cu(InGa)Se<sub>2</sub> Nanocrystals: A Precursor Route to Printed Photovoltaics.  
**Brian A. Korgel** (*The University of Texas, USA*)

### ◆◆◆ December 9 (Tue.) Afternoon ◆◆◆

Room \*\*\*

#### [Opening Ceremony & Plenary Lecture of CISPT2008]

**Chair: Dan Wang** (*Institute of Process Engineering, CAS, China*)

- 13:30 **Opening Ceremony**  
13:50 **(PL-1)** Nano and Nanocomposite Ceramic Materials with Unique Multifunctionality.  
**Koji Niihara** (*Nagaoka University of Technology, Japan*)  
14:20 **(PL-3)** Recent Development in Hard Materials  
**Shinhoo Kang** (*Seoul National University, Korea*)

**Chair: Noritatsu Tsubaki** (*University of Toyama, Japan*)

- 14:50 **(K-1-08)** One-Pot Synthesis of Catalytically Stable and Active Nanoreactors: Encapsulation of Size-Controlled Nanoparticles within a Hierarchically Macroporous Core @ Ordered Mesoporous Shell System.  
**Baolian Su** (*University of Namur, Belgium*)  
15:10 **(K-2-05)** Preparation of Oxide Particles with Controlled Morphology from Hydrothermally Derived Products.  
**Kazumichi Yanagisawa** (*Kochi University, Japan*)

#### [Coffee Break]

**Chair: Baolian Su** (*University of Namur, Belgium*)

- 15:45 **(K-3-01)** Nano Particle Self-fabrication in Bimodal Catalyst Preparation: Structure, Simulation and Application.  
**Noritatsu Tsubaki** (*University of Toyama, Japan*)  
16:05 **(K-4-01)** Latest Developments in Handling, Conveying & Modelling of Particulates.  
**Peter Wypych** (*University of Wollongong, Australia*)

**Chair: Kullaiiah Byrappa** (*University of Mysore, India*)

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- 16:25 **(K-5-01)** Analysis of Aerosol Optical Depth over East Asia with an Air Quality Model System.  
**Meigen Zhang** (*Institute of Atmospheric Physics, Chinese Academy of Sciences, China*)
- 16:45 **(K-1-01)** Supercritical Hydrothermal Synthesis of Organic-Inorganic Hybrid Nanoparticles-Towards Superhybrid Nanomaterials-  
**Tadafumi Adschiri** (*Tohoku University, Japan*)
- 17:05 **(O-4-01)** Validated Dynamic Simulation Modelling of Particulates.  
**Andrew Phillip Grima** (*University of Wollongong, Australia*)

**Chair: Tadafumi Adschiri** (*Tohoku University, Japan*)

- 17:15 **(K-2-07)** Application of Mesoporous Materials on Drug Deliver.  
**Qisheng Huo** (*Jilin University China*)
- 17:35 **(K-3-02)** Vanadium Dioxide Nanostructures for Hydrogen Production.  
**Zhengjun Zhang** (*Tsinghua University, China*)

◆◆◆ **December 10 (Wed.) Morning** ◆◆◆

Room \*\*\*

[Poster Sessions]

◆◆◆ **December 10 (Wed.) Afternoon** ◆◆◆

Room \*\*\*

**[Oral Presentation Competition for Excellent Graduate Student Paper Award]**

**Chair: Mingyuan Gao** (*Institute of Chemistry, CAS, China*)

- 13:30 **(O-1-01)** Morphology Control of Magnetite Particles under Hydrothermal Conditions.  
**Qiang Dong** (*University of Yamanashi, Japan*)
- 13:40 **(O-1-05)** Hydrothermal Synthesis of Modified TiO<sub>2</sub> Nanoparticles and their Application for Treatment of Industrial Effluents.  
**Behzad Shahmoradi** (*University of Mysore, India*)
- 13:50 **(O-1-06)** Study on Application of Nano-Titanium Dioxide in Functional Fiber.  
**Guoliang Shen** (*Dalian University of Technology, China*)
- 14:00 **(O-2-07)** High Frequency Dielectric Properties of BSTO Ceramic Prepared with Hydrothermal Synthesized SrTiO<sub>3</sub> and BaTiO<sub>3</sub> Powders.  
**Yonghui Xing** (*Tianjin University, China*)

**Chair: Zhengjun Zhang** (*Tsinghua University, China*)

- 14:10 **(O-2-08)** Two-dimensional Networks Constructed by Vaterite Single-crystals Formed in a Mixed System of Anionic/Nonionic Surfactants.  
**Chao You** (*Beijing Institute of Technology, China*)
- 14:20 **(O-2-10)** Preparation of Ba<sub>0.55</sub>Sr<sub>0.4</sub>Ca<sub>0.05</sub>TiO<sub>3</sub> Powder by Chemical Co-precipitation Method for Low Temperature Sintering Ferroelectric Ceramics.

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- Zhao Zhou** (*Tianjin University, China*)
- 14:30 **(O-2-09)** Study on the Preparation and Characterization of Coarse Aluminum Hydroxide in a Novel Caustic Aluminate Solution Decomposition Process.
- Ying Zhang** (*Institute of Process Engineering, Chinese Academy of Sciences, China*)
- 14:40 **(O-3-02)** Characterization of Copper-Manganese Oxide Catalysts on Ethylene Complete Oxidation.
- Hong Chen** (*Tianjin University, China*)

**Chair: Jieshan Qiu** (*Dalian University of Technology, China*)

- 14:50 **(O-4-04)** DEM Simulation on Pattern Formation of Radial Segregation of Granular in Rotating Drums.
- Lichao Zhang** (*Tsinghua University, China*)
- 15:00 **(O-3-03)** Effect of Sequential Desilication and Dealumination on Catalytic Performance of ZSM-5 Catalyst.
- Fang Jin** (*Tianjin University, China*)
- 15:10 **(O-1-04)** On the strain rate sensitivity of O-plasma treated Nano Silicon Dioxide particles sol-gel coating Kevlar filaments.
- Yingchen Zhang** (*Donghua University, China*)

**[Coffee Break]**

**[Oral Presentation Competition for Young Excellent Paper Award]**

**Chair: Kazumichi Yanagisawa** (*Kochi University, Japan*)

- 15:40 **(O-1-07)** TEMOM Method for Nanoparticle Brownian Coagulation in the Entire Size Regime.
- Mingzhou Yu** (*Zhejiang University, China*)
- 15:52 **(O-3-01)** Study on Removing Soot from the Exhaust of Diesel Engine over the LaBO<sub>3</sub>/HZSM-5 Catalysts.
- Yaoling Chi** (*Beijing Institute of Petrochemical Technology, China*)
- 16:04 **(O-4-03)** Comparison Testing of Drop Size for Air Atomizing Nozzles by Using Laser Phase Doppler Interferometer and Laser Diffraction Instrument.
- Sophie Zeng** (*21 Shu Lin Road, Song Jiang Industry Area, Shanghai, China*)
- 16:16 **(I-2-09)** Application of Hydrothermal Synthesis in Lead-free Piezoelectric Ceramics.
- Kongjun Zhu** (*Nanjing University of Aeronautics & Astronautics, China*)

**Chair: Qisheng Huo** (*Jilin University China*)

- 16:28 **(I-1-07)** Controlled Synthesis and Assembly of Nanostructured Ceria.
- Ranbo Yu** (*University of Science and Technology Beijing, China*)
- 16:40 **(O-1-02)** Synthesis of Dispersive ZnO Nano-particles Assisted by the Cationic Surfactant.
- Guo Gao** (*Tsinghua University, China*)
- 16:52 **(O-2-04)** Synthesis of AlPO<sub>4</sub> – Zeolites Particles: Application in Waste Water & Industrial Effluents Treatment.
- B.V. Suresh Kumar** (*University of Mysore, India*)

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**Chair: Lin Guo** (*Beijing University of Aeronautics and Astronautics, China*)

17:04 (O-4-02) Eulerian-Lagrangian Simulation of Gas-Solid Reacting Flows in the Solid Catalyzed Process.

**Changning Wu** (*Tsinghua University, China*)

17:16 (O-2-01) Synthesis and Characterization of Yttrium Aluminium Perovskites (YAP) and Yttrium Aluminium Garnet (YAG).

**B. Basavalingu** (*University of Mysore, India*)

17:28 (O-1-03) On the Strain Rate Sensitivity of Helium-Plasma Treated Carbon Nanotube Sol-Gel Coating Basalt Filaments.

**Yiping Qiu** (*Donghua University, China*)

◆◆◆ December 10 (Wed.) Afternoon ◆◆◆

Room \*\*\*

[Nanoparticle Technology]

**Chair: Nobuhiro Kumada** (*University of Yamanashi, Japan*)

13:30 (I-1-05) Synthesis and Physical Properties of L10-FePt Nanoparticles.

**Shinpei Yamamoto** (*Kyoto University, Japan*)

13:45 (I-1-04) Fabrication and Characterization of BiOCl Nanowires Array by Sol-Gel Template Method.

**Cong Wang** (*Beijing University of Aeronautics and Astronautics, China*)

14:00 (I-1-08) Synthesis of ZnO and ZnS One-dimensional Nanostructures by Thermal Plasma.

**Fangli Yuan** (*Institute of Process Engineering, Chinese Academy of Sciences, China*)

[Particle Preparation and Application]

**Chair: Maofa Ge** (*Institute of Chemistry, CAS, China*)

14:15 (I-2-02) Morphology and Characterization of Cerium Phosphate.

**Ruixing Li** (*Beijing University of Aeronautics and Astronautics, China*)

14:30 (I-2-05) Preparation and Dispersion of TiO<sub>2</sub> Powders of Adagio Display.

**Xiufeng Wang** (*Shanxi University of Science & Technology, China*)

14:45 (O-2-02) Synthesis of Zinc Oxide, Zinc Spinel and Zinc Composites under Mild Hydrothermal Conditions.

**B. Basavalingu** (*University of Mysore, India*)

15:00 (O-2-06) Curing Kinetics of Unsaturated Polyester Resin/Coal Fly Ash System by DSC.

**Shibing Wang** (*University of Mining and Technology, China*)

[Coffee Break]

[Particle Preparation and Application]

**Chair: Yongdan Li** (*Tianjin University, China*)

**Li Niu** (*Changchun Institute of Applied Chemistry, CAS, China*)



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- 15:30 **(I-2-03)** Biomimetic Synthesis and Photocatalytic Properties of Zinc Oxide Porous Spheres.  
**Hao Wang** (*Beijing University of Technology, China*)
- 15:45 **(I-2-06)** Hydrothermal Synthesis of Mg-bearing Functional Powders.  
**Lan Xiang** (*Tsinghua University, China*)
- 16:00 **(O-2-05)** Hydrothermal Syntheses of Copper: Morphological Patterning from Particles, Wires to Sheets.  
**Fa-nian Shi** (*University of Aveiro, Portugal*)
- 16:12 **(O-2-03)** Mild Hydrothermal Synthesis and Characterization of Silver Sulphide and Silver Selenide.  
**B.Basavalingu** (*University of Mysore, India*)

**[Particle for Catalysis]**

**Chair: Qiuming Gao** (*Shanghai Institute of Ceramics, CAS, China*)

- 16:25 **(I-3-01)** Contribution of Ti-Si Materials in the Epoxidation of Propylene over Nanogold Catalysts.  
**Caixia Qi** (*Yantai University, China*)
- 16:40 **(I-3-02)** Visible-light-induced Photocatalysts with High Activity.  
**Wenzhong Wang** (*Shanghai Institute of Ceramics, Chinese Academy of Sciences, China*)

**[Aerosol]**

**Chair: Mingmei Wu** (*Sun Yat-Sen University, China*)

**Kongjun Zhu** (*Nanjing University of Aeronautics & Astronautics, China*)

- 16:55 **(I-5-01)** Characteristics of Organic and Elemental Carbon in PM<sub>2.5</sub> Aerosols in Tianjin, China.  
**Zhipeng Bai** (*Nankai University, China*)
- 17:10 **(I-5-02)** Heterogenous Chemistry of Several VOCs on Soot Surfaces.  
**Maofa Ge** (*Institute of Chemistry, Chinese Academy of Sciences, China*)
- 17:25 **(I-5-03)** From Research and Development of System, High-tech Monitoring to Simulation.  
**Wei Wang** (*Chinese Research Academy of Environmental Sciences, China*)
- 17:40 **(I-5-04)** Micro-Raman Investigations of the Kinetics of Gel Formation between the Surface and the Inner of MgSO<sub>4</sub> Droplets.  
**Yunhong Zhang** (*Beijing Institute of Technology, China*)

◆◆◆ **December 11 (Thu.) Morning** ◆◆◆

**Room \*\*\***

**[Plenary Lecture of CISPT2008]**

**Chair: Yuichi Shimakawa** (*Kyoto University, Japan*)

- 08:00 **(PL-2)** FePt and R-MnO<sub>2</sub>.

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- Mikio Takano** (*Kyoto University, Japan*)  
08:30 **(K-1-09)** Functional Inorganic Nanomaterials and Inorganic-Organic Hybrids: Synthesis and Applications.  
**Shuhong Yu** (*University of Science and Technology of China, China*)  
08:50 **(K-1-04)** The Arrangement of Iron Oxide Nanoparticles Controlled by Electromagnetic Field.  
**Ning Gu** (*Southeast University, China*)

### [Nanoparticle Technology]

**Chair: Kwang Bo Shim** (*Hanyang University, Korea*)

- Qingshan Zhu** (*Institute of Process Engineering, CAS, China*)  
09:10 **(K-1-02)** Hydrothermal Soft Chemical Process for Synthesis of Nanomaterials from Nanosheet Precursor.  
**Qi Feng** (*Kagawa University, Japan*)  
09:30 **(K-1-03)** Magnetic Nanocrystals: from Preparations to Bio-applications.  
**Mingyuan Gao** (*Institute of Chemistry, Chinese Academy of Sciences, China*)  
09:50 **(I-1-01)** Research on the Nanosized Hybrid and Composite Materials Based on the Layered and Porous Hosts.  
**Qiuming Gao** (*Shanghai Institute of Ceramics, Chinese Academy of Sciences, China*)  
10:05 **(I-1-02)** Kaleidoscopic Gold Nanocomposites in Electroanalytical Chemistry.  
**Li Niu** (*Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China*)

### [Coffee Break]

### [Fluidization Technology]

**Chair: Xianran Xing** (*University of Science & Technology Beijing, China*)

- 10:30 **(K-4-02)** Process Intensification via a Magnetic Field for a Fluidized Bed using Nano Powder Catalysts.  
**Qingshan Zhu** (*Institute of Process Engineering, Chinese Academy of Sciences, China*)  
10:50 **(I-4-01)** Solid Fuel in Chemical-looping Combustion using Calcium Sulfate Oxygen Carriers.  
**Qingjie Guo** (*Qingdao University of Science & Technology, China*)

### [Particle Preparation and Application]

**Chair: Ning Gu** (*Southeast University, China*)

- Ruixing Li** (*Beijing University of Aeronautics and Astronautics, China*)  
11:05 **(K-2-02)** Tunable Synthesis, Growth Mechanism, and Magnetic Properties of  $\text{La}_{0.5}\text{Ba}_{0.5}\text{MnO}_3$ .  
**Jian Meng** (*Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China*)  
11:25 **(K-2-04)** Synthesis of  $\text{Ba}(\text{B}_{1/3}\text{Nb}_{2/3})\text{O}_3$  Powders by the Molten Salt Method.  
**Xianran Xing** (*University of Science & Technology Beijing, China*)  
11:45 **(I-2-01)** Preparation of Novel Bismuth Oxides by Hydrothermal Reaction.

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- Nobuhiro Kumada** (*University of Yamanashi, Japan*)  
12:00 **(I-2-04)** Biomimetic Silica Aggregation: Diatoms as an Inspirational Source for the Development of Novel Siliceous Materials.  
**Qianyao Sun** (*University of Petroleum, China*)

◆◆◆ **December 11 (Thu.) Afternoon** ◆◆◆

Room \*\*\*

**[Particle Preparation and Application]**

**Chair: Qi Feng** (*Kagawa University, Japan*)

- 13:30 **(K-2-01)** Hydrothermal Green Processing of Advanced Powder Materials.  
**Kullaiah Byrappa** (*University of Mysore, India*)  
13:50 **(I-2-07)** Synthesis and Characterization of the Misfit Layered Compounds.  
**Yuehua Xu** (*Jilin University, China*)

**[Nanoparticle Technology]**

**Chair: Shuhong Yu** (*University of Science and Technology of China, China*)

**Jianfeng Yang** (*Xi'an Jiaotong University, China*)

- 14:05 **(K-1-05)** Morphology Control and Magnetic Properties of 1D Co、Ni Nanomaterials.  
**Lin Guo** (*Beijing University of Aeronautics and Astronautics, China*)  
14:25 **(K-1-07)** Nano-scaled Microstructural Design of Electro-Optic Oxide Ceramic Materials.  
**Kwang Bo Shim** (*Hanyang University, Korea*)  
14:45 **(I-1-03)** Morphology Control of Nanostructured Particles.  
**Cheng Wang** (*Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China*)  
15:00 **(I-1-06)** Autoclaving Growth of Perovskite Powders with Tunable Morphologies and Assemblies.  
**Mingmei Wu** (*Sun Yat-Sen University, China*)

**[Particle Preparation and Application]**

**Chair: Jian Meng** (*Changchun Institute of Applied Chemistry, CAS, China*)

- 15:15 **(K-2-03)** Selective Preparation of Novel Carbon Materials by Arc-plasma Assisted CVD.  
**Jieshan Qiu** (*Dalian University of Technology, China*)  
15:35 **(K-2-06)** Novel Ceramic Fuel Cell with Ceria/Ternary Carbonate Composite Electrolyte.  
**Yongdan Li** (*Tianjin University, China*)  
15:55 **(I-2-08)** Extrusion Process of Porous Silicon Nitride.  
**Jianfeng Yang** (*Xi'an Jiaotong University, China*)

**[Coffee Break]**

- 16:20 **Closing Ceremony (Room \*\*\*)**

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## [Poster Sessions]

- (P-1-01) Preparation of Nanosized Cr<sub>2</sub>O<sub>3</sub> Microsphere Particles.  
**Ping Li** (*Institute of Process Engineering, Chinese Academy of Sciences, China*)
- (P-1-02) Synthesis of Gallium Antimonate Nanoparticles via a Facile One-step Hydrothermal Route.  
**Dong Wang** (*Jilin University, China*)
- (P-1-03) The Preparation of Ceramic Nanofiltration Membrane and Its Separation Performance for Solvent Recovery from Dewaxed Lube Oil Filtrates.  
**Qianyao Sun** (*China University of Petroleum, China*)
- (P-1-04) Preparation of Ionic Liquid Membranes Supported on a Nanofiltration Membrane and Its Performance Study on Aromatics Separation from Naphtha.  
**Qianyao Sun** (*China University of Petroleum, China*)
- (P-1-05) Hydrothermal Synthesis of Hydroxyapatite and Fluoridated Hydroxyapatite Nanorods.  
**Hao Wang** (*Beijing University of Technology, China*)
- (P-1-06) On the Strain Rate Sensitivity of Helium-Plasma Treated Nano Silicon Dioxide Particles Sol-Gel Coating UHMWPE Filaments.  
**Haiyan Zhu** (*Donghua University, China*)
- (P-1-07) On the Strain Rate Sensitivity of Helium-Plasma Treated Nano Silicon Dioxide Particles Sol-Gel Coating Kevlar Filaments.  
**Jing Zou** (*Donghua University, China*)
- (P-1-08) On the Strain Rate Sensitivity of Helium-Plasma Treated Nano Silicon Dioxide Particles Sol-Gel Coating T-700 Filaments  
**Yi Qin** (*Donghua University, China*)
- (P-1-09) On the Strain Rate Sensitivity of the Oxygen Plasma Treated Nano Silicon Dioxide Particles Sol-Gel Coating Vectran.  
**Jingnan Huang** (*Donghua University, China*)
- (P-1-10) On the Strain Rate Sensitivity of the Oxygen Plasma Treated Carbon Nanotube Sol-Gel Coating Basalt.  
**Keming Wu** (*Donghua University, China*)
- (P-1-11) Effects of O-plasma Treatment on Microstructure and Tensile Deformation of Nano SiO<sub>2</sub> Coating T700 Filaments at Room Temperature.  
**Yiwen Zheng** (*Donghua University, China*)
- (P-1-12) Effects of Oxygen-Plasma APPJ Treatment on Microstructure and Tensile Deformation of Nano SiO<sub>2</sub> Coating T-300 Carbon Fiber at Room Temperature  
**Lu Xiao** (*Donghua University, China*)
- (P-1-13) On the Strain Rate Sensitivity of Helium-Plasma Treated Nano Silicon Dioxide Particles Sol-Gel Coating T-300 Carbon Fiber.  
**Luyao Han** (*Donghua University, China*)
- (P-1-14) Effects of Oxygen-Plasma APPJ Treatment on Microstructure and Tensile Deformation of Nano SiO<sub>2</sub> Coating UHMWPE at Room Temperature.  
**Xinggui Yin** (*Donghua University, China*)
- (P-1-15) Effects of Helium-Plasma Treatment on Microstructure and Tensile Deformation of Nano SiO<sub>2</sub> Coating Vectran at Room Temperature.  
**Hongyan Wu** (*Donghua University, China*)

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- (P-2-01) Preparation of LaNi<sub>5</sub> Powder from NiO-La<sub>2</sub>O<sub>3</sub> by FFC Cambridge Process.  
**Yun Gao** (*HeBei Polytechnic University, China*)
- (P-2-02) Preparation of Reinforced SiO<sub>2</sub> Aerogel Monoliths Bonded PMMA.  
**Xiaoqing Jiang** (*Institute of Process Engineering, Chinese Academy of Sciences, China*)
- (P-2-03) A Low Cost Route to Ordered Mesoporous Metal Oxides by Nanocasting the Extracted SBA-15.  
**Xiaoyong Lai** (*Institute of Process Engineering, Chinese Academy of Sciences, China*)
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