Conference Chairman:
Prof. Dr. Cheol Gyu Kim (Hanbat National University, Korea)
Dr. Chong-Hun Jung (Korea Atomic Energy Research Institute)

Conference Local Chairman:
Prof. Dr. Won-Chun Oh (Hanseo University, Korea)
Prof. Dr. Jin Liu (Anhui University of Architecture, China)
Prof. Dr. Ding Ming (Hefei University, China)
Prof. Dr. Chuyang Xu (Anhui University of Science & Technology, China)
Prof. Dr. Shin Mukai (Hokkaido University, Japan)
Prof. Dr. Goutam Mukhopadhyay (B.C.D.A College of Pharmacy & Technology, India)
Prof. Dr. Chul Woo Lee (Hanbat National University, Korea)

Committee
Prof. Dr. Soo-Min Park, Pusan National University, Korea
Prof. Dr. Ben-Hong Yang, Hefei University, China
Dr. Hui-Jun Won, Korea Atomic Energy Research Institute, Korea
Prof. Dr. Masahiro Toyoda, Oita University, Japan
Prof. Dr. Won-Kweon Jang, Hanseo University, Korea
Prof. Dr. Ke Wu, Hefei University, China
Prof. Dr. Chang-Sung Lim, Hanseo University, Korea
Prof. Dr. K. G. Kanade, Commerce and Hutatma Babu Genu Science College, India
Prof. Dr. Wan-Kuen Jo, Kyungpook National University, Korea
Prof. Dr. Chan-Kyung Kim, Inha University, Korea
Prof. Dr. Heon-Chang Kim, Hoseo University, Korea
Prof. Dr. Seung-Kyu Park, Hoseo University, Korea
Dr. Hangkyo Jin, Korea Research Institute of Chemical Technology, Korea
Dr. Kwang Yeon Cho, Korea institute of Ceramic Eng. and Tech., Korea
Prof. Dr. Jong-Sung Yu, Korea University, Korea
Dr. Feng-Jun Zhang, Anhui University of Architecture, China
Dr. Jing Wang, Anhui University of Science and Technology, China
Prof. Dr. Hyung Joon Lee, Hanbat National University, Korea
## Conference Program

### November 22 (Thursday), 2012

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<td>18:00-20:00</td>
<td>Welcome reception</td>
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### November 23 (Friday), 2012

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<tr>
<td>08:30-</td>
<td>Onsite Registration</td>
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<tr>
<td>09:00-09:50</td>
<td>Opening address (Hanbat National University, Korea)</td>
</tr>
</tbody>
</table>
| 09:50-10:15   | **Special Lecture 1 (Chairman : Prof. Dr. Won-Chun Oh)**  
|               | Prof. Dr. Isao Ogino (Hokkaido University, Japan)  
|               | Strengthening of Monolithic Silica with Microhoneycombs Synthesized Using Ice Templating Method |

**Session 1 (10:15-11:15) (Session Chairman : Prof. Dr. Ben-Hong Yang)**

<table>
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<tr>
<th>Time</th>
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</table>
| 10:15-10:35   | Oral Lecture 1, Prof. Dr. Jaesool Shim (Yeungnam University, Korea)  
|               | Thiosemicarbazones and Their Metal Complexes: Cytotoxic Agents |
| 10:35-10:55   | Oral Lecture 2, Prof. Dr. Saksit Chanthai (Khon Kaen University, Thailand)  
|               | Characterization of Hydroxyapatite Nanoparticles from Fish Scale Waste and its Adsorption of Carotenoids |
| 10:55-11:15   | Oral Lecture 3, Prof. Dr. Tack-Young Lee (Hanbat National University, Korea)  
|               | Nanowire growth of Bi-Te alloy by electrodeposition |
| 11:15-11:25   | Coffee break                               |

**Session 2 (11:25-12:10) (Session Chairman : Prof. Dr. Wan-Kuen Jo)**

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</table>
| 11:25-11:45   | Oral Lecture 4, Prof. Dr. Mohammad Farook (Khadir Mohideen College, India)  
|               | Biological Applications of Thiosemicarbazones and Their Metal Complexes |
| 11:45-12:05   | Oral Lecture 5, Prof. Dr. Lakshmi Narayana Suvarapu (Yeungnam University, Korea)  
|               | Determination of Mercury with Various Analytical Techniques: A Review |

**Lunch (12:05-13:05)**

**Session 3 (13:30-14:30) (Session Chairman : Prof. Dr. Chu-Yang Xu)**

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<th>Time</th>
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</table>
| 13:30-13:50   | Oral Lecture 6, Prof. Dr. Masahiro Toyoda (Oita University, Japan)  
|               | Synthesis of B-C-N composite from melamine/folumaldehyde resinds containing Boron and its EDLC performance |
| 13:50-14:10   | Oral Lecture 7, Prof. Dr. XU Zifang (Anhui University of Science & Technology, China)  
|               | Experimental Study on hydration mechanism of lime-gypsum fly ash cement paste |
| 14:10-14:30   | Oral Lecture 8, Dr. Chang-Yeoul Kim (Korea Institute of Ceramic Eng. & Tech, Korea)  
<p>|               | Electrochemical and Optical Properties of WO₃ Thin Film with Heat-treatment Temperature |
| 14:30-14:40   | Coffee break                               |</p>
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<tr>
<td>14:40-15:00</td>
<td>Oral Lecture 9, Prof. Dr. Shaojie Feng (Anhui University of Architecture, China) Oxidation/reforming methane oxidation processes based on dense tubular $\text{La}<em>{0.6}\text{Sr}</em>{0.4}\text{Co}<em>{0.2}\text{Fe}</em>{0.8}\text{O}_{3.8}$ membrane reactor</td>
</tr>
<tr>
<td>15:00-15:20</td>
<td>Oral Lecture 10, Dr. Se-Hwan Chi (Korea Atomic Energy Research Institute, Korea) Compressive Loading-Unloading Behavior of Nuclear Graphite</td>
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<tr>
<td>15:20-15:40</td>
<td>Oral Lecture 11, Prof. Dr. Jang Myoun Ko (Hanbat National University, Korea) Suppression of Aluminum Corrosion in LiTFSI-Based Electrolytes by the Addition of Fumed Silica</td>
</tr>
<tr>
<td>15:40-16:05</td>
<td>Special Lecture 3 (Chairman: Prof. Dr. M. Toyoda) Prof. Dr. Wan-Kuen Jo (Kyungbook University, Korea) Utilization of Carbon-Embedded Photocatalysts Prepared at Different Oxidation Conditions for Gaseous MTBE Decomposition</td>
</tr>
<tr>
<td>16:05-17:15</td>
<td>Coffee break</td>
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**Poster Session (17:15-18:30) (Session Chairman: Prof. Dr. Jin Liu, Dr. Chong-Hun Jung)**

**Banquet (18:30 ~ )**

**November 24 (Saturday), 2012**

- **Conference Tour:** Backjae Cultural Area
- **09:30 Departure ~**

- **Committee Board Meeting:** 20:00 ~ (Nov. 22 (Thur.), 2012)
Presentation Guide

Opening address: Hanbat National University, Korea

Special Lectures
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  Prof. Dr. Isao Ogino (Hokkaido University, Japan)
SL-02: Design, preparation and characterization of inorganic-organic hybrid low dielectric constant materials .........................................................
  Prof. Dr. Ben-Hong Yang (Hefei University, China)
SL-03: Utilization of Carbon-Embedded Photocatalysts Prepared at Different Oxidation Conditions for Gaseous MTBE Decomposition...................................................
  Prof. Dr. Wan-Kuen Jo (Kyungbook University, Korea)

Oral lectures
OL-01: Thiosemicarbazones and Their Metal Complexes: Cytotoxic Agents...............1
  Prof. Dr. Jaesool Shim (Yeungnam University, Korea)
OL-02: Characterization of Hydroxyapatite Nanoparticles from Fish Scale Waste and its Adsorption of Carotenoids..................
  Prof. Dr. Saksit Chanthai (Khon Kaen University, Thailand)
OL-03: Nanowire growth of Bi-Te alloy by electrodeposition..................
  Prof. Dr. Tack-Young Lee (Hanbat University, Korea)
OL-04: Biological Applications of Thiosemicarbazones and Their Metal Complexes.....
  Prof. Dr. Mohammad Farook (Khadir Mohideen College, India)
OL-05: Determination of Mercury with Various Analytical Techniques: A Review.........
  Prof. Dr. Lakshmi Narayana Suvarapu (Yeungnam University, Korea)
OL-06: Synthesis of B-C-N composite from melamine/fomaldehyde resinds containing Boron and its EDLC performance.............
  Prof. Dr. Masahiro Toyoda (Oita University, Japan)
OL-07: Experimental Study on hydration mechanism of lime-gypsum fly ash cement paste................
  Prof. Dr. XU Zifang (Anhui University of Science & Technology, China)
OL-08: Electrochemical and Optical Properties of WO3 Thin Film with Heat-treatment Temperature..................
  Dr. Chang-Yeoul Kim (Korea Institute of Ceramic Eng. & Tech, Korea)
OL-09: Oxidation/reforming methane oxidation processes based on dense tubular \La_{0.6}Sr_{0.4}Co_{0.2}Fe_{0.8}O_{3-\delta} membrane reactor............
  Prof. Dr. Shaojie Feng (Anhui University of Architecture, China)
OL-10: Compressive Loading-Unloading Behavior of Nuclear Graphite..............
  Dr. Se-Hwan Chi (Korea Atomic Energy Research Institute, Korea)
OL-11: Suppression of Aluminum Corrosion in LiTFSI-Based Electrolytes by the Addition of Fumed Silica..............
Poster presentations

1. General Materials Science & Engineering

P-01: A Polymeric Dye of Aqueous Disperse Violet 17-Based Polyurethane Dispersion

Xianhai Hu¹,², Xingyuan Zhang¹, Jin Liu², Jiabing Dai¹
¹ University of Science and Technology of China, China
² Anhui Institutes of Architecture and Industry, China

P-02: Studying on infrared stealth property of polyurethane coatings

Chengcongliang¹,², Liping²
¹ Ministry of Education, China
² Anhui Institute of Architecture & Industry, China

P-03: Controllable Morphology and Structure of MoO₃ Hexagonal Poles and Nanobelts

Qingchun Zhao, Tian Cao (Anhui Institute of Architecture & Industry, China)

P-04: Morphology control of CoC₂O₄·4H₂O and Co₃O₄ microspheres

Hanmei Hu, Junchan Xu, Weifei Wu, Dongdong Liu, Lili Zhang, Zhengxiang Hou
(Anhui University of Architecture, China)

P-05: Copper selenide (CuSe and Cu₂Se) nanocrystals: controllable synthesis through a facile ultrasonic chemical route

Hanmei Hu¹, Xinqing Ge¹, Chonghai Deng², Mei Sun¹, Han Xuan¹, Kehua Zhang¹
¹ Anhui University of Architecture, China
² Hefei University, China

P-06: A novel synthetic route to carbon nanotubes supported ZrO₂/TiO₂ nanoparticles

Hai yan Xu¹, Changling Liu², Yan Li¹, Ling Xu¹, Xudong Wang¹, Chenshu Liu³
¹ Anhui University of Architecture, China
² Hefei Normal University, China
³ University of Science and Technology of China, China.

P-07: p-Phthaloyl chloride-grafted SF induced biomineralization of hydroxyapatites

Liu Chao¹, Chen Guangmei¹, Li Rong²
¹ Anhui Institute of Architecture and Industry, China
² Anhui University, China

P-08: Synthesis by different methods and characterization of hyperbranched polyurethane

Chen Guangmei, Liu Chao, Hu Dongfeng (Anhui University of Architecture, China)

P-09: Microwave-assisted Synthesis of 2-Methyl-4-Quinolinones via Combes Synthesis Catalyzed by Acidic Resin under Solvent-free

Shizhen Yuan, Kehua Zhang, Jingjing Xia (Anhui University of Architecture, China)

P-10: Influence of restraint on pore structures and air permeability of concrete containing
MgO-type expansive agent

Aiguo Wang, Daosheng Sun, Min Deng, Xiaoming Chen, Fengjun Zhang
1 Anhui University of Architecture, China
2 Nanjing University of Technology, China

P-11: Study on Preparation and Characterization of Cu$_2$O Nanopowders Made by Liquid Phase Method

Ling Xu, Chang-ling Liu, Shi-biao Wu, Hai-yan Xu, Shao-feng Zhu, Feng-Wang, Li-li Yang, Guang-jiu Jia, Jun Li
1 Anhui University of Architecture, China
2 Hefei Normal University, China

P-12: Mixed solvothermal synthesis of Sb$_2$Se$_3$ whiskers assembled by nanobelts

Chonghai Deng, Hanmei Hu, Xiaoyu Zhang, Benhong Yang
1 Hefei University, China
2 Anhui University of Architecture, China

P-13: Microwave-assisted rapid synthesis of magnetite Fe$_3$O$_4$ Nanoparticles

Chonghai Deng, Hanmei Hu, Xinqing Ge, Chengliang Han, Difang Zhao
1 Hefei University, China
2 Anhui University of Architecture, China

P-14: Computer-controlled scanning electron microscopy (CCSEM) investigation on transformation of minerals and PM2.5 Emissions during Chinese Coal Combustion

Mingjun Ji, Zhongbin Dong, Hanxu Li, Qunying Wang, Yoshikio Ninomiya
1 Anhui University of Science and Technology, China
2 Chubu University, Japan

P-15: Synthesis of FeAl/Al$_2$O$_3$ Composites by Thermite Reaction

Yin Liu, Qian Qian, Chuyang Xu, Fanfei Min, Mingxu Zhang
(Anhui University of Science and Technology, China)

P-16: Facile Synthesis of Superhydrophobic CuO film on Copper Substrate

Rongchun Nie, Chuyang Xu, Yanfen Wang
(Anhui University of Science & Technology, China)

P-17: Hydrothermal Synthesis and Characterization of Flower-like SnO$_2$–Zn$_2$SnO$_4$ Nanocomposites

Zi-rong Li, Guo-jun Cheng
(Anhui Science and Technology University, China)

P-18: Optical fiber tip fabricated by improved Turner method silica gel

Zhoufeng Wang, Chunxia Li
(Anhui University of Science and Technology, China)

P-19: Researches on surface of near-field optical probe based on chemical etching

Chunxia Li, Zhoufeng Wang
(Anhui University of Science and Technology, China)

P-20: Study of surface modification of ultra-fine CaCO$_3$ with different coupling agent

Guojun Cheng, Xuhua Yu, Guoxin Ding, Chuyang Xu
(Anhui University of Science and Technology, China)

P-21: Study on the SiCp/Al composites prepared by pressureless infiltration

Qingping Wang, Fanfei Min, Yucheng Wu, Yu Hong, Yin Liu, Chuyang Xu
1 Anhui University of Science and Technology, China
2 Hefei University of Technology, China
P-22: Superhydrophobic ZnO Nanocoatings for Different Substrates

Yanfen Wang, Benxia Li, Chuyang Xu, Rongchun Nie
(Anhui University of Science & Technology, China)

P-23: Morphology analysis of GNS and GNS/ Al₂O₃ Composites magnification

Jin Wang, Jin Zhang, Zhenying Liu (Anhui University of Science & Technology, China)

P-24: Study of cure kinetics of vinyl-tri (phenylethynyl)silane monomer

Dexin Tan, Yanli Wang, Honglong Xing, Zhong Li
(Anhui University of Science and Technology, China)

P-25: Effects of Alumina Micro-powder Additions on Properties of Special Silicon Mullite Brick

Zhenying Liu, Desheng Feng, Jing Wang
(Anhui University of Science & Technology, China)

P-26: A new method of research on the wear resistance of wear-resistant materials

Hongzheng Zhu, Yin Liu, Jinbo Zhu (Anhui University of Science and Technology, China)

P-27: Preparation and characterization of porous biphasic calcium phosphate for biomedical application

Yusong Pan, Chuyang Xu, Huayuan Rong
(Anhui University of Science & Technology, China)

P-28: Study on the bioactive properties of polyetheretherketone

Yusong Pan Chuyang Xu, Chengling Pan
(Anhui University of Science & Technology, China)

P-29: Synthesis and Characterization of St-AN-(KH-570) Block Macromolecular Coupling Agent Copolymers

Guojun Cheng 1,2, Ruijuan Song 1, Jibing Miao 1, Jiasheng Qian 1
1 Anhui University, China;
2 Anhui University of Science and Technology, China

P-30: Surface Modification of Nano-Silicon Nitride with Silane Coupling Agent

Xiaodong Wang 1,2, Xinjun Wan 1
1 Chaohu University, China
2 Anhui University, China

P-31: Hydrolysis of the extract of rosa roxburghii trat catalyzed by imidazolium ionic liquid materials

Chang Yang 1, Hao Zeng (co-first author) 1, Hang Song 1, Shun Yao 1, Hongyan Ma 2
1 Sichuan University, China
2 Guangdong Pharmaceutical Universities, China

P-32: Sulfur Dioxide Capture by Limestone in a Lab Scale Circulating Fluidized Bed Combustor

Dowon Shun 1, Dal-Hee Bae 1, Changsup Oh 2, Heon Chang Kim 3 and Seung Kyu Park 3
1 Korea Institute of Energy Research, Korea
2 Korea Institute of Science and Technology Information, Korea
3 Hoseo University, Korea

P-33: Anti-Scratch Properties of Clearcoat after Application of Polymer Coated Silica Ball

Seung Man Noh 1, Ki Hyun Choi 2, Soo Jeong Ji 2, Yun Kyoung Hwang 2 and Seung Kyu Park 3
P-34: Ion exchange processes in the channels of zeolites
Marsagishvili T., Machavariani M., Tatishvili G., Khositashvili R., Lekishvili N.
(Iv. Javakhishvili Tbilisi State University, Georgia)

P-35: Tuning the Hierarchical Pore Structure of Monolithic Silica Having Honeycomb Structure via the Ice Templating Method
Yoshitaka Satoh, Isao Ogino, Shin R. Mukai (Hokkaido University, Japan)

P-36: Utilization of Heteropoly Acid Supported by Silica Microhoneycomb in a Flow System
Kazuhiro Murakami, Seiichiro Yoshida, Masatoshi Hashimoto, Isao Ogino, Shin R. Mukai (Hokkaido University, Japan)

P-37: Preparation of an Active Enzyme Catalyst through the Immobilization of Urease in Macroporous κ-carrageenan
Takanobu Masuda, Isao Ogino, Shin R. Mukai (Hokkaido University, Japan)

P-38: Effect of Morphology of Magnesium Ammonium Phosphate on its Ammonia Uptake Ability
Takanobu Masuda, Isao Ogino, Shin R. Mukai (Hokkaido University, Japan)

P-39: Adsorption of PFC Surfactant on Activated Carbon Adsorbents
(Korea Atomic Energy Research Institute, Korea)

P-40: Development of structural and optical characterization methods for InGaN/GaN multi-quantum well epi-layers
Young Joon Yoon1, Sangsu Hong2, Mi-Yang Kim2, Joon Seop Kwak3
1 Korea Institute of Ceramic Engineering and Technology, Korea
2 Samsung Electro-Mechanics Co., LTD. Korea
3 Sunchon National University, Korea

P-41: Performance of passive mixer and separator in a ceramic-based microfluidic device
Ji-Yun Seon1, Young Joon Yoon1, Hyo Tae Kim1, Chang-Yeoul Kim1, Jong-Hee Kim1, Hong Koo Baik2
1 Korea Institute of Ceramic Engineering and Technology, Korea
2 Yonsei University, Korea

P-42: Upconversion luminescence of Ho3+/Tm3+/Yb3+ co-doped CaMoO4 Prepared by complex citrate-gel method
Jun Ho Chung1, Seok Min Hwang2, Se Hyeon Kim2, Jae Bin Lee2 and Jeong Ho Ryu2
1 Hanyang University, Korea
2 Korea National University of Transportation, Korea

P-43: Low temperature synthesis of nano BaTiO3 particle using potassium hydroxide
Kug-Hyo Park1, Sin-Il Gu1, Hyo-Soon Shin1, Dong-Hun Yeo1, Hyung-Sun Kim2, Gook-Hyun Ha3
1 Korea Institute of Ceramic Engineering and Technology, Korea
2 Inha University, Korea
3 Korea Institute of Ceramic Engineering and Technology, Korea
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Chang-Bin Lim, Dong-Hun Yeo, Hyo-Soon Shin
(Korea Institute of Ceramics Engineering and Technology, Korea)

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Tae-Eon Kim1,2, Jin Chul Bae1, Yong-Gun Shui2, DohHyung Rui1, KwangYeon Cho1
1 Korea institute of Ceramic Eng. and Tech.,Korea
2 Yonsei university, Seoul, 120-749, Korea

P-46: Synthesis and Characterization of technological important Nano-domain Mn-Ferrite…………………………………………………………………………
K. G. Kanade1, B. B. Kale2 and Jin-OoK Baeg3
1 Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College, India.
2 Centre for Materials for Electronics Technology, India.
3 Korea Research Institute of Chemical Technology,Korea

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Ashish Gawai1, Sanjib Das2, Pratap Parida3, K.R. Biyani1
1 Anuradha College of Pharmacy, India;
2 Assam University, India;
3 Dibrugarh University, India.

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Kazuki Matsumura, Taro Kinumoto, Tomoki Tsumura and Masahiro Toyota.
(Oita University, Japan)

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Tae-Kyung Kim, Hangkyo Jin (Korea Research Institute of Chemical Technology, Korea)

Won Kweon Jang. (Hanseo University, Korea)

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Jung Gyu Park1, Ashish Pokhrel, Bijay Basnet and Ik Jin Kim. (Hanseo University, Korea)

P-52: Vertically-Aligned Carbon Nanotube Arrays on Fe3O4 Nanoparticle-Supported Silicalite-1 Monolayer………………………………
Dong Nam Seo, Wei Zhao, Bijay Basnet, Ashish Pokhrel, Ik Jin Kim
(Hanseo University, Korea)

Changguo Xue, Yanhua teng, ZhiLin Ye, Dongya Wang, Xiuju Wu, Rui Wang, Zhili Lv, Mingxu Zhang (Anhui University of Science and Technology, China)

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Won Kweon Jang. (Hanseo University, Korea)

P-55: ZnO Powders for Rapid Removal of Cu (II) Ions in Solution…………………..
Chengliang Han, Genhui Wang, Wenlong Zhao, Tianran, Chunhui Chen, Huwei (Hefei University, China)

P-56: Fabrication of LaF$_3$ Nanochains via A Reverse Microemulsion-Solvothermal Route

Hangmin Guan, Chenliang Han, Dechun Zhu (Hefei University, China)

P-57: Ligand-free CuSO$_4$-catalyzed C-N coupling reaction of aryl halides with alkylamines or N-heterocycles in Aqueous Solution System

Hua Yang$^1$, Xiuli Zhang$^1$, Jingyu Si$^2$

$^1$ Anhui Agricultural University, China
$^2$ Hefei University, China

P-58: Preparation and Characterization of Titanium Dioxide/Poly (methyl methacrylate) Composites by In-situ Polymerization

Meng Li, Dechun Zhu, Yun Wu, Tongzhong Yu (Hefei University, China)

P-59: Selective Catalytic Oxidation of Diphenol by Metal-organic Frameworks Cu$_3$(BTC)$_2$ Using Hydrogen Peroxide

Yun Wu, Benhong Yang, Meng Li, Wei Wang, Chang An Tian (Hefei University, China)

P-60: Preparation and characterization of biomorphic CaCO$_3$ with hierarchically ordered micro- and nano-structures

Ming Ding$^1$, Na Ni$^2$

$^1$ Hefei University, China
$^2$ Anhui University, China

P-61: Crystal Structure and Properties of Na$_2$O-modified K$_{0.47}$Na$_{0.47}$Li$_{0.96}$Nd$_{0.04}$O$_3$-SrTiO$_3$ Piezoelectric Ceramics

Qiyi Yin$^{1,2}$, Zhaoqi Sun$^2$, Changan Tian$^1$, Benhong Yang$^1$, Jihai Chen$^1$, Jinsong Xie$^1$

$^1$ Hefei University, China
$^2$ Anhui University, China

P-62: Study on the Preparation and Reaction of Fluorescently-Labeled Chitosan Nano Particles

Hong Sun$^1$, Xueyun Liu$^2$, Dechun Zhu$^1$, Daming Gao$^1$, Ming Ding$^1$

$^1$ Hefei University, China
$^2$ Anhui Research Institute of Chemical Industry, China

P-63: Surfactant-assisted synthesis of Zn(suc)(ina)$_2$ metal-organic framework and detection of nitroaromatic explosives

Wei Wang$^1$, Bo-Wei Chi$^2$, Guo-Quan Shao$^1$, Jing-Yu Si$^1$, Yun Wu$^1$, Chang-An Tian$^1$

$^1$ Hefei University, China
$^2$ Anhui Energy Technology School, China

P-64: A Hybrid-Monolayer Fluorescence Probe towards the Detection of Ultratrace Co$^{2+}$ Ion at Surface of SiO$_2$ Nanoparticles

Dechun Zhu, Hong Chen, Hong Sun, Jingyu Si, Jianjun Shi, Daming Gao
(Hefei University, China)

P-65: A Study on the $\pi$ Bond of Benzene and Hydrogen Chloride Interaction

Jie Yang, Shaobo Li, Benhong Yang, Guoquan Shao, Qiyi Yin (Hefei University, China)

P-66: The $\pi$ Bond of C$_2$H$_4$ and 2HX(X=F,Cl,Br,I) Interaction

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Lube Zhang¹, Weitao Bao²
¹ Anhui Vocational College of Defense Technology, China.
² Anhui University, China

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Hui Zhang,¹ Jun Li,² Chan Kyung Kim² ¹ Hefei University, China; ² Inha University, Korea

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Yan Li¹, Dao Sheng SUN¹, Xiu Sheng WU¹, Ai Guo WANG¹, Wei XU¹, Min DENG² ¹ Anhui University of Architecture, China
² Nanjing University of Technology

P-70: Study of fly ash glass-ceramic surface modification …. 

Qifang Ren¹,², Yi Ding¹,², Puhua Hu¹,², Lijiu Wang³ 
¹ Anhui Key Laboratory of Advanced Building Materials, China
² Anhui University of Architecture, China
³ Institute Dalian University of Technology, China

P-71: Study of inorganic waterproof agent on the performance of desulfurization gypsum products……………………………………

Yi Ding¹,², Qifang Ren¹,², Puhua Hu¹,² 
¹ Anhui University of Science and Technology, China
² Anhui Key Laboratory of Advanced Building Materials, China

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Wenzong Xu, Wenxiu Li, Mingyuan Ren and Jianguo Yin 
Anhui University of Architecture, China

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Hongdian Lu, Jingsong Xie, Yaqing Ma, Hui He, Haotian Wu (Hefei University, China)

P-74: Quality Properties of Concrete Using Recycled Sand Produced from Wet Gravity Separation System…….

Sangsoo Lee, Hayoung Song (Hanbat National University, Korea)

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Feng Wang, Caixia Zhu (Anhui Institute of Architecture and Industry, China)

P-76: Study on blocking and deblocking kinetics of diisocyanate with ε-caprolactam using FTIR spectroscopy ……………………………………………………………

Yan-fei Tang¹,², Zhen Li¹,², Jin Liu¹,², Bi-yun Chen², Sheng-fu Mei² 
¹ Anhui University of Architecture, China
² Anhui University of Architecture, China

P-77: Electrochemical behavior of arsenic on copper deposition reaction in the low copper concentration electrolyte …………………
P-78: Study on Effect of Oxidation at Low Temperature on Thermal Dynamics Activation Energy of Lignite 

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