

2021

P²

Conference

PKU CCME × POSTECH

Chemistry Frontiers for the Future Application



会议网站: <https://jongcheolsoe4.wixsite.com/p2conference>



参会 ZOOM 链接: <https://us02web.zoom.us/j/81267349319>

08:30 (Beijing)
09:30 (Pohang)

Opening Remarks

1

Inorganic Materials and Applications

Chair: Prof. Soojin Park

Beijing Pohang Presentations

- 08:40 09:40 Prof. In Su Lee (POSTECH)
Nanocrystal-Conversion Chemistry within Nanosilica-Confinement
- 09:05 10:05 Prof. Zhiwei Liu (Peking University)
Electroluminescence study of rare earth complex
- 09:30 10:30 Hyeon Ho Kim (POSTECH)
Development and Applications of Ambiphilic N-heterocyclic Carbenes
- 09:40 10:40 Sunwoo Jang (POSTECH)
Holey Pt Nanosheets on NiFe-Hydroxide Laminates: Synergistically Enhanced Electrocatalytic 2D Interface toward Hydrogen Evolution Reaction

2

Energy Materials and Catalysis

Chair: Prof. Zhiwei Liu

Beijing Pohang Presentations

- 10:10 11:10 Prof. Yawen Zhang (Peking University)
Dispersed Noble Metal Nanocatalysts for Energy Transformations
- 10:35 11:35 Prof. Soojin Park (POSTECH)
Polymer design for energy storage devices
- 11:00 12:00 Mao Xiong (Peking University)
Controlling the doping efficiency of conjugated polymers
- 11:10 12:10 Dr. Hongen Yu (Peking University)
Synthesis of nano-sized rare earth alloy and its catalytic applications
- 11:20 12:20 Dr. Ruiyang Wang (POSTECH)
High-Capacity, Sustainable Lithium-Sulfur Batteries Based on Multi-Functional Polymer Binders

3

Organic Molecules and Reactions

Chair: Prof. Huan Wang

Beijing Pohang Presentations

- 13:00 14:00 Prof. Eunsung Lee (POSTECH)
Superstable organic radicals for new applications
- 13:25 14:25 Prof. Jianbo Wang (Peking University)
Carbene Precursors as Cross-Coupling Partners
- 13:50 14:50 Prof. Seung Hwan Cho (POSTECH)
Chemo, and Stereoselective Transformations of gem-diborylalkanes and (diborylmetallic)species
- 14:15 15:15 Ziyu Tian (Peking University)
A Moisture-Tolerant Route to Unprotected α/β - Amino Acid N-Carboxyanhydrides
- 14:25 15:25 Dr. Sheng Wang (Peking University)
Brightening up Circularly Polarized Luminescence of Monosubstituted Polyacetylene by Conformation Control
- 14:35 15:35 Lingran Kong (Peking University)
De Novo Total Synthesis towards Natural Product Medicines and Toxins

4

Spectroscopy, Spectrometry and Mircorscopy

Chair: Prof. Eunsung Lee

Beijing Pohang Presentations

- 15:05 16:05 Prof. Huan Wang (Peking Univerisity)
Boosted diffusion of reaction intermediates
- 15:30 16:30 Prof. Sunmin Ryu (POSTECH)
Molecular excitons in 2D organic crystals
- 15:55 16:55 Prof. Jihan Zhou (Peking Univerisity)
Determining the three-dimensional atomic structure of amorphous solids
- 16:20 17:20 Dr. Sourav Sarkar (POSTECH)
Investigating inflammatory bowel disease with a two-photon ratiometric elastase probe
- 16:30 17:30 Jiyeon Lee (POSTECH)
Supercharging ion mobility-mass spectrometry for studying topological isomers of proteins