

Environmental NanoChemistry Research Presentation Schedules

ACS Spring 2016 National Meeting, San Diego, CA

March 13-17, 2016

Sunday

1. Doyoon Kim, Tong Wu, Melanie Cohen, and Young-Shin Jun, Calcium phosphate-organic composites for a more sustainable P cycle: Learning from biomineralization, The 251st American Chemical Society National Meeting & Exposition, San Diego, California, March 13-17, 2016. (Grand Ballroom A - Omni San Diego Hotel **Sunday, March, 13**, 10:30 AM - 10:55 AM)

Monday

2. Young-Shin Jun and Haesung Jung, Microscopic Observations of Heterogeneous Nucleation of Manganese (Hydr)oxide Nanoparticles on Geomedia, Frontiers in Microscopic Techniques and Applications to Geochemical Reactions, The 251st American Chemical Society National Meeting in San Diego, CA, March 13-17, 2016. (Grand Ballroom B - Omni San Diego Hotel, **Monday, March 14**, 10:20am - 10:55pm)
3. Qingyun Li and Young-Shin Jun, Heterogeneous Calcium Carbonate Nucleation in Saline Solution: Thermodynamic and Kinetic Contributions, The 251st American Chemical Society National Meeting & Exposition, San Diego, California, March 13-17, 2016. (Gaslamp 3 - Omni San Diego Hotel, **Monday, March, 14**, 2:50 PM - 3:10 PM)
4. Young-Shin Jun and Chelsea W. Neil, Natural Organic Matter and Arsenic Create Different Reactive Interfaces of Iron(III) (Hydr)oxide Nanoparticles, Special Symposium on Environmental Interfaces, The 251st American Chemical Society National Meeting in San Diego, CA, March 13-17, 2016. (Grand Ballroom A - Omni San Diego Hotel, **Monday, March 14**, 3:40pm - 4:20pm)
5. Chelsea W. Neil and Young-Shin Jun, The promotion of arsenopyrite dissolution and secondary mineral formation and phase transformation by aqueous Fe³⁺, The 251st American Chemical Society National Meeting & Exposition, San Diego, California, March 13-17, 2016. (Grand Ballroom A - Omni San Diego Hotel, **Monday, March 14**, 4:20pm - 4:40pm)
6. Jessica R. Ray, Chelsea W. Neil, Haesung Jung, Zhichao Liu, and Young-Shin Jun, Effect of Fe²⁺ and Cr(VI) on Redox-Active CeO₂ Nanoparticle Surface Properties and Transformation in Aqueous Systems, The 251st American Chemical Society National Meeting & Exposition, San Diego, California, March 13-17, 2016. (Grand Ballroom A - Omni San Diego Hotel, **Monday, March 14**, 4:40pm - 5:00pm)
7. Doyoon Kim, Byeongdu Lee, Stavros Thomopoulos, and Young-Shin Jun, Influence of biological interfaces on nucleation pathways and kinetics of calcium phosphate minerals, The 251st American Chemical Society National Meeting & Exposition, San Diego, California, March 13-17, 2016. (Grand Ballroom A - Omni San Diego Hotel, **Monday, March, 14**, 5:00 PM - 5:20 PM)

Tuesday

8. Chelsea W. Neil, Doyoon Kim, Sungyoon Jung, Yanzhe Zhu, Jessica R. Ray, and Young-Shin Jun, CeO₂ nanoparticle interactions with phosphate, arsenate, and arsenite oxyanions,

The 251st American Chemical Society National Meeting & Exposition, San Diego, California, March 13-17, 2016. (Grand Ballroom B - Omni San Diego Hotel, **Tuesday, March 15**, 4:40pm - 5:00pm)

Wednesday

9. Yujia Min and Young-Shin Jun, Interfacial Interactions between Cations and Plagioclase under Conditions Relevant to Subsurface CO₂ Injection The 251st American Chemical Society National Meeting & Exposition, San Diego, California, March 13-17, 2016. (Grand Ballroom A - Omni San Diego Hotel, **Wednesday, March, 16**, 9:40 AM - 10:10 AM)
10. Chelsea Neil, Jeffrey J. Yang, Don Schupp, and Young-Shin Jun, Water chemistry changes induced by managed aquifer recharge impact arsenopyrite dissolution and secondary mineral precipitation, Special Symposium on ES&T @ 50: Award Winning Researchers Past, Present, and Future, The 251st American Chemical Society National Meeting in San Diego, CA, March 13-17, 2016. (Grand Ballroom E - Omni San Diego Hotel, **Wednesday, March 16**, 11:10am - 11:35pm)
11. Lijie Zhang, Yongman Kim, Jiamin Wan, and Young-Shin Jun, Biotite Wettability Changes under Geologic CO₂ Sequestration Conditions: Influences of Salinity-induced Chemical Reactions, The 251st American Chemical Society National Meeting & Exposition, San Diego, California, March 13-17, 2016. (Grand Ballroom A - Omni San Diego Hotel, **Wednesday, March, 16**, 2016 from 11:10 AM - 11:30 AM)
12. Jessica R. Ray, Sirimuvva Tadepalli, Saide Z. Nergiz, Keng-Ku Liu, Le You, Yinjie Tang, Srikanth Singamaneni, and Young-Shin Jun, Nanostructure-enabled Membranes for Better Reverse Osmosis Processes, The 251st American Chemical Society National Meeting & Exposition, San Diego, California, March 13-17, 2016. (Gaslamp 4 - Omni San Diego Hotel, **Wed, Mar 16**, 2:20pm - 2:40pm)

Thursday

13. Qingyun Li, Carl I. Steefel, and Yun Mook Lim, and Young-Shin Jun, Experimental and Modeling Investigations of Portland Cement Deterioration under Geologic CO₂ Sequestration Conditions, , The 251st American Chemical Society National Meeting & Exposition, San Diego, California, March 13-17, 2016. (Grand Ballroom A - Omni San Diego Hotel, **Thursday, March, 17**, 9:35 AM - 9:55 AM)
14. Haesung Jung and Young-Shin Jun, Simulated Sunlight-Assisted Fast Oxidation of Mn²⁺ (aq) and Formation of Birnessite (δ -MnO₂) Nanosheets, The 251st American Chemical Society National Meeting & Exposition, San Diego, California, March 13-17, 2016. (Grand Ballroom E - Omni San Diego Hotel, **Thursday, March, 17**, 2:55 PM - 3:15 PM)