255th American Chemical Society National Meeting, New Orleans, LA, March 18-22, 2018

Sunday

Doyoon Kim, Byeongdu Lee, Stavros Thomopoulos, and Young-Shin Jun, Thermodynamics of confined calcium phosphate nucleation in collagen fibrils, Special symposium on "Biomineralization and Bio-compatible Minerals" (Room 212 - Ernest N. Morial Convention Center, Sunday, March, 18, 2018 from 11:40 AM - 12:00 PM)

Young-Shin Jun, Chelsea W. Neil, Y. Jeffrey Yang, and Don Schupp, Crucial Chemistry at Water-Arsenopyrite Interfaces during Managed Aquifer Recharge, Special symposium on "Chemistry of Drinking Water Distribution Systems & Infrastructure" (Room 349 - Ernest N. Morial Convention Center, Sunday, March, 18, 2018 from 1:35 PM - 2:05 PM)

Monday

Young-Shin Jun, Qisheng Jiang, Hamed Gholami Derami, Deoukchen Ghim, Sisi Cao, and Srikanth Singamaneni, Photothermal Water Purification Membranes Containing Optically-Tuned Polydopamine Particles Embedded in Bacterial Nanocellulose, Special symposium on "Novel Membrane-Based Technology for Water Purification & Desalination" (Room 342 - Ernest N. Morial Convention Center, Monday, March, 19, 2018 from 8:10 AM - 8:30 AM)

Lijie Zhang and Young-Shin Jun, Effects of phosphonates on physicochemical properties of mica under energy-related subsurface conditions, Special symposium on "Fluid-solid Interfacial Phenomena at the Nexus of Energy and Geochemistry Research: A symposium in Honor of David J. Wesolowski" (Room 211 - Ernest N. Morial Convention Center, Monday, March, 19, 2018 from 10:50 AM - 11:10 AM)

Xuanhao Wu, Chelsea Neil, Doyoon Kim, Haesung Jung, and Young-Shin Jun, Surface Property Changes of Cerium Oxide Nanoparticles in the Presence of UV/H_2O_2 and Natural Organic Matter, Special symposium on "Aquatic Photochemistry" (Room 351 - Ernest N. Morial Convention Center, Monday, March, 19, 2018 from 4:45 PM - 5:05 PM)

Wednesday

Xuanhao Wu, Samantha Burnell, Chelsea Neil, Doyoon Kim, Haesung Jung, and Young-Shin Jun, Effects of Oxyanions on Arsenic Mobilization from Arsenopyrite during Managed Aquifer Recharge, Special symposium on "Water Use Optimization: Water Quality, Reuse & Treatment" (Room 349 - Ernest N. Morial Convention Center, Wednesday, March, 21, 2018 from 2:20 PM - 2:40 PM)

Y. Jeffrey Yang, Chelsea W. Neal, Ni-Bin Chang, Young-Shin Jun, Britta Bierwagen, and Thomas F. Speth, Multi-scale Systems Analysis for Engineering Optimization in Water Supply

Infrastructure Systems, Special symposium on “Water Use Optimization: Water Quality, Reuse & Treatment”.

Thursday

Lijie Zhang and Young-Shin Jun, Redox degradation of DTPMP phosphonate with Fe-bearing phyllosilicates under subsurface conditions, Special symposium on “Molecular Processes at Mineral-Water Interfaces: Linking Theory and Experiments” (Room 211 - Ernest N. Morial Convention Center, Thursday, March, 22, 2018 from 11:50 AM - 12:10 PM)

Haesung Jung and **Young-Shin Jun**, Previously unexplored fast photochemical oxidation of Mn^{2+} (aq) in an abiotic inorganic process and consequent formation of birnessite nanosheets, Special symposium on “Manganese Oxides: Their Formation, Structure, Reactivity & Applications” (Room 210 - Ernest N. Morial Convention Center, Thursday, March, 22, 2018 from 3:50 PM - 4:20 PM)