Sarah S. Park

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Education

2012 – 2017 Ph. D. MIT (Chemistry)
2008 – 2010 M. S. Ewha Womans University (Chemistry)
2005 – 2008 B. S. Ewha Womans University (Chemistry)

Professional Career

2024.09 – Present Associate Professor, Department of Chemistry, POSTECH
2020.01 – 2024.08 Assistant Professor, Department of Chemistry, POSTECH
2017.09 – 2019.09 IIN Postdoctoral Fellow, Department of Chemistry, Northwestern University

Selected Publications

1. Y. Lee, H. Woo, J. Kang, S. Park*, S. S. Park*, Zwitterionic Polymer Intertwined Metal-Organic Framework Based Quasi-Solid-State Electrolyte for Long Cycle Life Dual-Ion Batteries, *Chem* **2025**, DOI: j.chempr.2024.102402.
2. G. Lee, G. Park, S. S. Park*, Molecular-Level Pore Tuning in 2D Conductive Metal-Organic Framework for Advanced Supercapacitor Performance, *J. Am. Chem. Soc.* **2024**, *146*, 29767.
3. S. Kim, H. Kim, C. Lee, I. Park, Y. Kim, D. Moon, J. H. Shim*, S. Ryu*, S. S.***,** Au_{25} Cluster-Based Atomically Precise Coordination Frameworks and Emission Engineering through Lattice Symmetry, *ACS Nano* **2024**, *18*, 29036.
4. M. Kim, J. Jeong, D. H. Kim, G. Park, J. Yi, S. Kim, H. Kim, C. H. Choi, H. Shin*. S. S. Park*, Tailoring electrochemical water oxidation activity from the isostructural series of alkaline-stable bimetallic Fe,Ni-azolate metal-organic frameworks, *Adv. Energy Mater.* **2024**, 2401198.
5. G. Park, M. Demuth, C. H. Hendon*, S. S. Park*, Acid-Dependent Charge Transport in a Solution-Processed 2D Conductive Metal-Organic Framework, *J. Am. Chem. Soc.* **2024**, *146*, 11493.
6. M. Choe, J. Y. Koo, I. Park, H. Ohtsu, J. H. Shim*, H. C. Choi*, S. S. Park*, Chemical Vapor Deposition of Edge-on Oriented 2D Conductive Metal-Organic Framework Thin Films, *J. Am. Chem. Soc.* **2022**, *144*, 16726.

Research Interests

1. Electron/Ion-Conducting Metal-Organic Frameworks
2. Atomically Precise Nanoclusters
3. Energy Storage Applications

Awards

1. POSCO 「POSCO Science Fellowship 2021」
2. International Institute for Nanotechnology 「Outstanding Research Award 2018」
3. ACS Division of Inorganic Chemistry 「Young Investigator Award 2018」