

## 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. Park\*, Au<sub>25</sub> 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」