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| **Academic Records** | 2005, Sogang University (B.S. in Chemistry)  2010, Northwestern University (Ph.D in Materials Chemistry) |
| **Professional Career** | 2010-2014, Postdoctoral Fellow, Harvard University  2014-present, Assistant, Associate Professor at Korea University |
| **Selected**  **Publications** | 1. Ga-based liquid metal micro/nanoparticles: recent advances and applications, Yoon\* *et al.*, *Small*, **2019**, in press.  2. Two Different Length-Dependent Regimes in Thermoelectric Large-Area Junctions of n-Alkanethiolates, Yoon\* *et al.,* *Chem. Mater.,* **2019**, *31*, 5973-5890.  3. Structure-Thermopower Relationships in Molecular Thermoelectrics, Yoon\* *et al.,* *J. Mater. Chem. A,* **2019**, *7*, 14419-14446.  4. Molecularly Controlled Stark Effect Induces Significant Rectification in Polycyclic Aromatic Hydrocarbon-terminated *n*-Alkanethiolates, Yoon\* *et al.,* *Nano Lett.,* **2019**, *19*, 545-553.  5. A New Approach for Large-Area Thermoelectric Junctions with Liquid Eutectic Gallium-Indium Electrode, Yoon\* *et al*., *Nano Lett.* **2018***,* *18*, 7715-7718.  6. Elucidating the Role of Molecule-Electrode Interfacial Defects in Charge Tunneling Characteristics of Large-area Junctions, Yoon\* *et al*., *J. Am. Chem. Soc.,* **2018***,* *140*, 12303–12307.  7, Deconvolution of Tunneling Current in Large-Area Junctions Formed with Mixed Self-Assembled Monolayers, Yoon\* *et al*., *J. Phys. Chem. Lett.,***2018**, *9*, 4578-4583.  8. Maskless Arbitrary Writing of Molecular Tunnel Junctions, Yoon\* *et al*., *ACS Appl. Mater. Interfaces,* **2017**, *9*, 40556–40563.  9. Formation of Triboelectric Series via Atomic Level Surface Functionalization for Triboelectric Energy Harvesting, Yoon\* *et al.*, *ACS Nano,* **2017**, *11*, 6131-6138.  10. Gradients of Rectification: Tuning Molecular Electronic Devices by the Controlled Use of Different-Sized Diluents in Heterogeneous Self-Assembled Monolayers, Yoon\* *et al*., *Angew. Chem. Int. Ed.,* **2016**, *55*, 10307-10311. |