

Congratulations to Dr. Hajime Hirao and his group members for the following achievements that they have recently made.

- The collaborative work with Prof. Easan Sivaniah at Kyoto University on Mixed Matrix Membranes (MMMs) for CO<sub>2</sub> capture has been published in *Nature Energy* ("Enhanced Selectivity in Mixed Matrix Membranes for CO<sub>2</sub> Capture through Efficient Dispersion of Amine-Functionalized MOF Nanoparticles").
- The collaborative work with Prof. Robin Chi at Nanyang Technological University on a useful organocatalytic reaction has been published in *Nature Communications* ("A Reaction Mode of Carbene-Catalyzed Aryl Aldehyde Activation and Induced Phenol OH Functionalization").
- Dr. Hirao's article entitled "Hybrid Computational Approaches for Deriving Quantum Mechanical Insights into Metal–Organic Frameworks" has been highlighted on the Front Cover of *Tetrahedron Letters*.
- Dr. Hirao's article entitled "Mechanism of an Asymmetric Ring-Opening Reaction of Epoxide with Amine Catalyzed by a Metal-Organic Framework: Insights from Combined Quantum Mechanics and Molecular Mechanics Calculations" has been highlighted on the Inside Back Cover of *Dalton Transactions*.
- Dr. Hirao has received the Best Oral Presentation Award in the PCM 2017 conference.