

Yeonkyeong Ryu

PhD Student

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EDUCATION

Mar. 2019 ~ Present	Ulsan National Institute of Science and Technology Department of Chemistry <i>Advisor: Christopher W. Bielawski</i> <i>Ph.D. Student</i>	Ulsan, Korea
Mar. 2017 ~ Feb. 2019	Ulsan National Institute of Science and Technology Department of Chemistry Thesis: Redox-Switchable Cross Metathesis and Acyclic Diene Metathesis Polymerization <i>Advisor: Christopher W. Bielawski</i> <i>M.S. in Chemistry</i>	Ulsan, Korea
Mar. 2012 ~ Aug. 2016	Ulsan National Institute of Science and Technology School of Energy and Chemical Engineering <i>B.S. in Energy and Chemical Engineering</i>	Ulsan, Korea

RESEARCH INTERESTS

- Olefin metathesis
- Switchable catalysis
- N-Heterocyclic Carbene (NHC)
- Atom-transfer radical-polymerization

PUBLICATIONS (SCIE/ESCI)

1. Yeonkyeong Ryu, Huiling Shao, Guillermo Ahumada, Peng Liu, Christopher W. Bielawski, "Redox-switchable olefin cross metathesis (CM) reactions and acyclic diene metathesis (ADMET) polymerizations", *MATERIALS CHEMISTRY FRONTIERS*, (2019)
2. Yeonkyeong Ryu, Guillermo Ahumada, Christopher W. Bielawski, "Redox- and light-switchable N-heterocyclic carbenes: a "soup-to-nuts" course on contemporary structure-activity relationships", *CHEMICAL COMMUNICATIONS*, (2019)
3. Guillermo Ahumada, Yeonkyeong Ryu, Christopher W. Bielawski, "Potentiostatically Controlled Olefin Metathesis", *ORGANOMETALLICS*, (2020)

CONFERENCES

1. Yeonkyeong Ryu, Christopher W. Bielawski, "122nd General Meeting of the Korean Chemical Society", KCS (Korean Chemical Society), Daegu, Korea (Oct. 2018) - Oral