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Degree	<ul style="list-style-type: none"> • 2006 Hanyang University (BS) • 2012 KAIST (Ph.D in Organic Chemistry)
Experience	<ul style="list-style-type: none"> • 2014~Present Assistant Professor of Chemistry, INU • 2012~2014 Post-Doc, University of Wisconsin-Madison • 2012~2012 Post-Doc, KAIST
Major Teaching	<ul style="list-style-type: none"> • Organic Synthesis, Catalysis, Medicinal Chemistry • Organic Chemistry, Organic Chemistry Laboratory
Representative Research	<ul style="list-style-type: none"> • Aerobic Oxidation of Alkyl 2-Phenylhydrazinecarboxylates Catalyzed by CuCl and DMAP Kim, M. H.; Kim, J.* J. Org. Chem. 2018, 83, 1673-1679. • Cu-Catalyzed Aerobic Oxidation of Di-tert-butyl Hydrazodicarboxylate to Di-tert-butyl Azodicarboxylate and Its Application on Dehydrogenation of 1,2,3,4-Tetrahydroquinolines under Mild Conditions Jung, D.; Kim, M. H.; Kim, J.* Org. Lett. 2016, 18, 6300-6303.
Researches	<p><Dissertation></p> <ul style="list-style-type: none"> • Oxoammonium Salt-Mediated Oxidative Nitriles Synthesis from Aldehydes with Ammonium Acetate Kim, M. J.; Mun, J.*; Kim, J.* Tetrahedron Lett. 2017, 58, 4695-4698. • Robust Aerobic Alcohol Oxidation Catalyst Derived from Metal-Organic Frameworks Kim, B. R.; Oh, J. S.; Kim, J.*; Lee, C. Y.* Catal. Lett. 2016, 146, 734-743. • Aerobic Oxidative Conversion of Aromatic Aldehydes into Nitriles Using a Nitroxyl/NO_x Catalyst System Noh, J.-H.; Kim, J.* J. Org. Chem. 2015, 80, 11624-11628. • Cu-Catalyzed Aerobic Oxidative Three-Component Coupling Route to N-Sulfonyl Amidines via an Ynamine Intermediate Kim, J.; Stahl, S. S.* J. Org. Chem. 2015, 80, 2448-2454. • Synthesis of Aromatic Nitriles Using Nonmetallic Cyano-Group Sources, Kim, J.; Kim, H. J.; Chang, S. Angew. Chem., Int. Ed. 2012, 51, 11948-11959.
Current Research	<ul style="list-style-type: none"> • Transition metal-catalyzed reactions • Aerobic oxidative transformations • Homogeneous/Heterogeneous catalysis