

# Isaac Choi (최이삭)

## Chungbuk National University

Department of Chemistry  
Cheongju-si, Chungcheongbuk-do,  
28644, Republic of Korea

+82-43-261-2288  
isaac.choi@chungbuk.ac.kr  
site.google.com/view/choichem

Area of Expertise: Organic Chemistry, Electro-organic Chemistry, Organometallic Chemistry, Physical Organic Chemistry

### EDUCATION & TRAINING

<b>Postdoctoral Fellow</b> , University of Wisconsin – Madison Research Associate ( <i>Principal Investigator: Professor Jennifer M. Schomaker</i> )	2021–2022
<b>Georg-August-Universität Göttingen</b> , Göttingen, Germany Ph.D., Chemistry ( <i>Principal Investigator: Professor Lutz Ackermann</i> )	2017–2021
<b>Seoul National University</b> , Seoul, Republic of Korea M.S., Chemistry ( <i>Principal Investigator: Young Keun Chung</i> )	2015–2017
<b>Kwangwoon University</b> , Seoul, South Korea B.S., Chemistry (Summa Cum Laude)	2007–2015

### RESEARCH EXPERIENCE

<b>Kwanjeong Scholarship</b> , <i>Kwanjeong Educational Foundation</i>	2017–2021
<b>An Award for Excellent Records</b> , <i>Korean Chemical Society</i>	2015
<b>An Award for Excellent Records</b> , <i>Kwangwoon University</i>	2015

### SELECTED PUBLICATIONS

- **Choi, I.**; Trenerry, M. J.; Lee, K. S.; King, N.; Berry, J. F.; Schomaker, J. M. “Divergent C–H Amidations and Imidations by Tuning Electrochemical Reaction Potentials” *ChemSusChem*, in revision.
- Liu, W.<sup>†</sup>; **Choi, I.**<sup>†</sup>; Zerull, E.; Schomaker, J. M. “Ligand-Enabled Silver-Catalyzed C–N Forming Reactions Via Nitrene Transfer” *ACS Catal.* **2022**, *12*, 5527–2239. (†Equal Contribution)
- **Choi, I.**; Hou, X.; Ackermann, L. “A Strategy for Site- and Chemoselective C–H Alkenylation through Osmaelectrooxidative Catalysis” *Angew. Chem. Int. Ed.* **2021**, *60*, 27005–27012.
- Meyer, T. H.; **Choi, I.**; Tian, C.; Ackermann, L. “Powering the Future: How Can Electrochemistry Make a Difference in Organic Synthesis?” *Chem* **2020**, *6*, 2484–2496.
- **Choi, I.**; Müller, V.; Wang, Y.; Xue, K.; Kuniyil, R.; Andreas, L. B.; Karius, V.; Alauzun, J. G.; Ackermann, L. “Recyclable Ruthenium Catalyst for Distal *meta*-C–H Activation” *Chem. Eur. J.* **2020**, *26*, 15290–15297.
- **Choi, I.**; Messinis, A. M.; Ackermann, L. “C7-Indole Amidations and Alkenylations by Ruthenium(II) Catalysis” *Angew. Chem. Int. Ed.* **2020**, *59*, 12534–12540.
- Wang, H.<sup>†</sup>; **Choi, I.**<sup>†</sup>; Rogge, T.; Kaplaneris, N.; Ackermann, L. “Versatile and Robust C–C Activation by Chelation Assisted Manganese Catalysis” *Nat. Catal.* **2018**, *1*, 993–1001. (†Equal Contribution)
- **Choi, I.**; Chung, H.; Park, J. W.; Chung, Y. K.; “Active and Recyclable Catalytic Synthesis of Indoles by Reductive Cyclization of 2-(2-Nitroaryl)acetonitriles in the Presence of Co–Rh Heterobimetallic Nanoparticles with Atmospheric Hydrogen under Mild Conditions” *Org. Lett.* **2016**, *18*, 5508–5511.