Nickel-Catalyzed Asymmetric Claisen Rearrangement

**Significance:** The authors present an asymmetric propargyl and allyl Claisen rearrangement using a readily available chiral N,N'-dioxide–nickel(II) complex. Product allyl and allenyl compounds were obtained with good yield and excellent enantio- and diastereoselectivities.

**Comment:** This rearrangement works with relatively inexpensive metal (nickel) under mild reaction conditions. The produced β-keto esters with all-carbon quaternary stereogenic centers with allenyl and allyl substituents are highly useful chiral building blocks.