

Dynamic Stereomutation with Metalloradicals

Franziska Schoenebeck

Institute of Organic Chemistry, RWTH Aachen University, Landoltweg 1, 52074 Aachen, Germany,
franziska.schoenebeck@rwth-aachen.de

The prevalence of odd oxidation states in less precious metals bears significant untapped potential for the discovery and exploration of fundamentally distinct reactivity modes *via* metalloradical catalysis. This presentation will discuss the distinct reactivity of a Ni^(I)-metalloradical complex, which contrasts organic free radical reactivity as well as closed shell metal reactivity. Mechanistic details will be presented along with applications in synthesis, including reactivity modes which were previously inaccessible.