S. L. MCDONALD, C. E. HENDRICK, Q. WANG\* (DUKE UNIVERSITY, DURHAM, USA) Copper-Catalyzed Electrophilic Amination of Heteroarenes and Arenes by C-H Zincation Angew. Chem. Int. Ed. 2014, 53, 4667-4670.

## C-H Zincation of (Hetero)Arenes Followed by **Copper-Catalyzed Amination**

## Selected examples:

Significance: Wang and co-workers describe a direct amination of (hetero)arenes by C-H zincation followed by copper-catalyzed electrophilic amination using O-acyl hydroxylamines. A broad substrate scope, good functional-group tolerance, and mild reaction conditions were demonstrated.

Comment: The C-H zincation was achieved applying either Zn(tmp)<sub>2</sub> or tmpZnCl·LiCl (tmp = 2,2,6,6-tetramethylpiperidyl) at room temperature. The obtained products were isolated in good to excellent yields.

Category

**Metal-Mediated Synthesis** 

Key words

copper

amination

zinc

