**Polymer-Supported** 

Category

**Synthesis** 

nitriles

imines

J. WANG, S. LU, X. CAO,\* H. GU\* (SOOCHOW UNIVERSITY, SUZHOU, P. R. OF CHINA) Common Metal of Copper(0) as an Efficient Catalyst for Preparation of Nitriles and Imines by Controlling Additives *Chem. Commun.* **2014**, *50*, 5637–5640.

## Ligand-Controlled Copper-Catalyzed Oxidation of Benzylamines with Oxygen

**Significance:** Commercially available red copper catalyzed the oxidation of benzylamines with molecular dioxygen in the presence of isoquinoline or 1,10-phenanthroline to give the corresponding benzonitriles (eq. 1) or dibenzylimines (eq. 2).

**Comment:** The SEM analyses of the catalyst before and after the reaction showed that the surface of the catalyst was roughened during the reaction to suggest leaching of copper.

**SYNFACTS Contributors:** Yasuhiro Uozumi, Makoto Nagaosa Synfacts 2014, 10(8), 0877 Published online: 18.07.2014 **DOI:** 10.1055/s-0034-1378469; **Reg-No.:** Y07914SF