



Corrigendum

Corrigendum to “Lessons learned and lessons to be learned for developing homogeneous transition metal complexes catalyzed reduction of N₂ to ammonia” [J. Organomet. Chem. 752 (2014) 44–58]



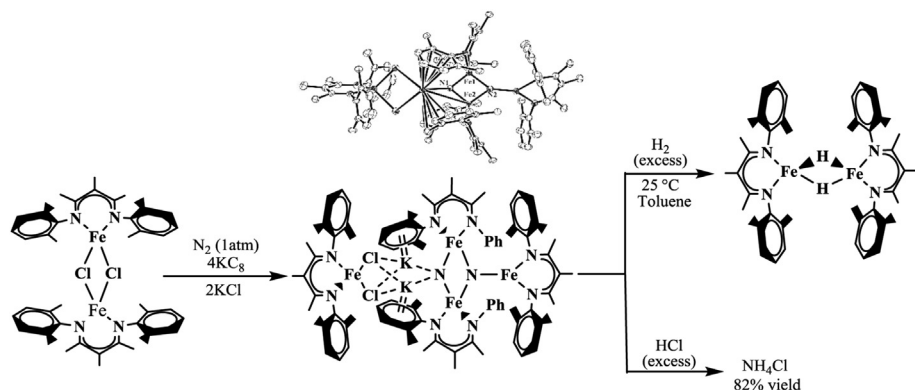
Chinnappan Sivasankar*, Sambath Baskaran, Masilamani Tamizmani, Kankanala Ramakrishna

Catalysis and Energy Laboratory, Department of Chemistry, Pondicherry University, Puducherry 605 014, India

This paper is a corrigendum to the previously published paper (J. Organomet. Chem. 752 (2014) 44–58): “Lessons learned and lessons to be learned for developing homogeneous transition metal complexes catalyzed reduction of N₂ to ammonia”.

The authors regret to inform that the incorrect Scheme 8 has been published in the original article; therefore we would like to publish the correct Scheme 8.

The correct Scheme 8 is shown below:



Scheme 8. Functionalization of dinitrogen into ammonia using iron catalyst and HCl.

Relevant to the Scheme 8, reaction with excess HCl indeed gives ammonium chloride in 82% yield, however does not give the hydride complex. Nevertheless the bis-nitride complex does react with H₂ to give the hydride complex, but no ammonia is produced in this reaction. Therefore in conclusion, the nitride compound does react with H₂ to give hydride, but not ammonia. The nitride compound reacts with acid to give ammonia, but not hydride complex.

DOI of original article: <http://dx.doi.org/10.1016/j.jorganchem.2013.11.024>.

* Corresponding author. Tel.: +91 413 2654709; fax: +91 413 2655987.

E-mail addresses: siva.che@pondiuni.edu.in, drcsivas@gmail.com (C. Sivasankar).