Supporting information

Solution Combustion Synthesis of Fe_2O_3-Based Catalyst for Ammonia Synthesis

Binxiang Cai, Huazhang Liu and Wenfeng Han *

Institute of Industrial Catalysis, Zhejiang University of Technology, Hangzhou 310014, China; cbxloveqjh@163.com (B.C.); cuihua@zjut.edu.cn (H.L.)

* Correspondence: hanwf@zjut.edu.cn; Tel.: +86-571-8832-0063

Table S1. Nomenclature of catalysts.

Catalyst	Fe content/g	Glycine content/g	glycine/Fe ratio
SCS1.7	43.40	14.46	1.7
SCS2.5		21.70	2.5
SCS3.3		28.93	3.3
SCS5		43.40	5.0
SCS8.3		72.30	8.3
SCS11.7		101.22	11.7

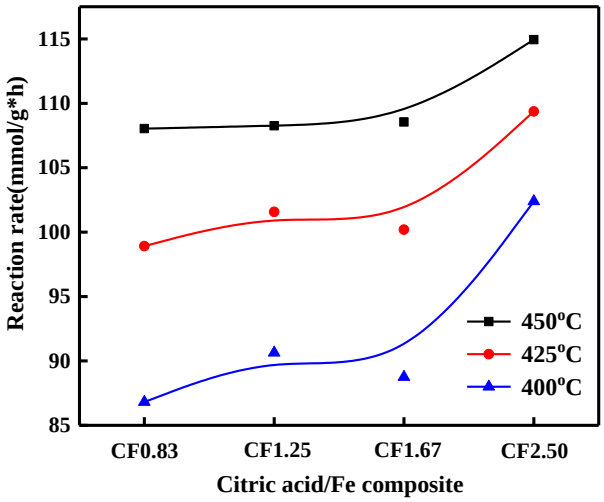

Figure S1. Reaction rate of ammonia synthesis over citric acid/Fe composite catalysts prepared by SCS at a reaction condition. All the catalysts were reduced by temperature programmed reduction

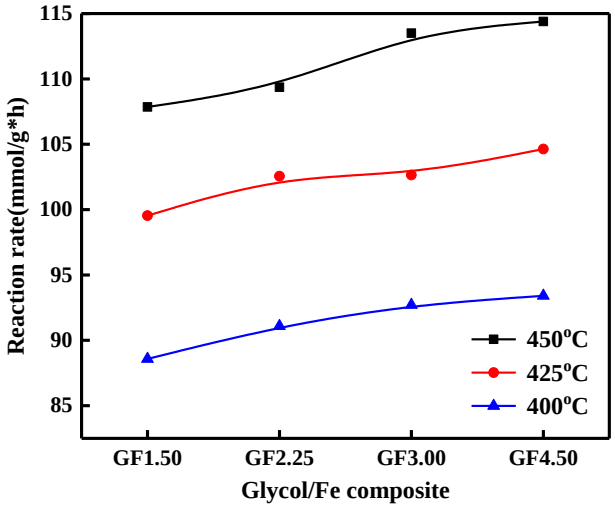

Figure S2. Reaction rate of ammonia synthesis over glycol/Fe composite catalysts prepared by SCS at a reaction condition. All the catalysts were reduced by temperature programmed reduction.

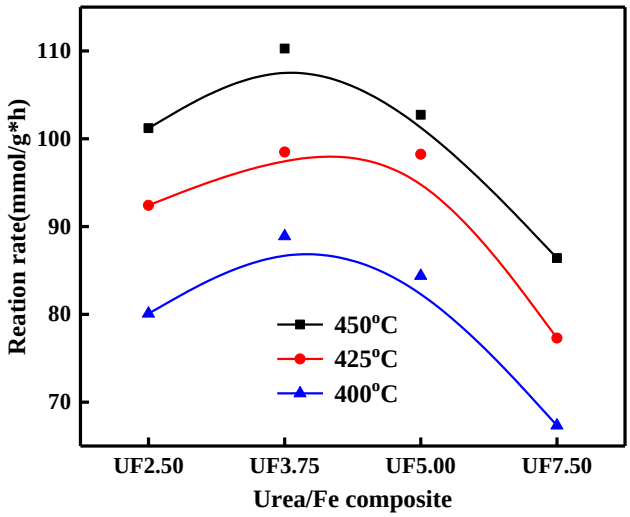

Figure S3. Reaction rate of ammonia synthesis over urea/Fe composite catalysts prepared by SCS at a reaction condition. All the catalysts were reduced by temperature programmed reduction.