

Document downloaded from:

<http://hdl.handle.net/10251/28621>

This paper must be cited as:

Román-Leshkov, Y.; Moliner Marin, M.; Davis, ME. (2011). Impact of Controlling the Site Distribution of Al Atoms on Catalytic Properties in Ferrierite-Type Zeolites. *Journal of Physical Chemistry C*. 115:1096-1102. doi:10.1021/jp106247g



The final publication is available at

<http://dx.doi.org/10.1021/jp106247g>

Copyright American Chemical Society

Additional Information

Impact of controlling the site distribution of Al atoms on catalytic properties in ferrierite-type zeolites

Yuriy Román-Leshkov, Manuel Moliner, and Mark E. Davis^{*}

Chemical Engineering, California Institute of Technology, Pasadena, CA 91125, USA

Supporting Information:

Figure S1: Representation of the FER structure showing the four non-equivalent T-atoms and their associated proton sites. Protons colored in grey are only accessible through the FER cavity, while protons colored in white are accessible through the 10-MR channel.

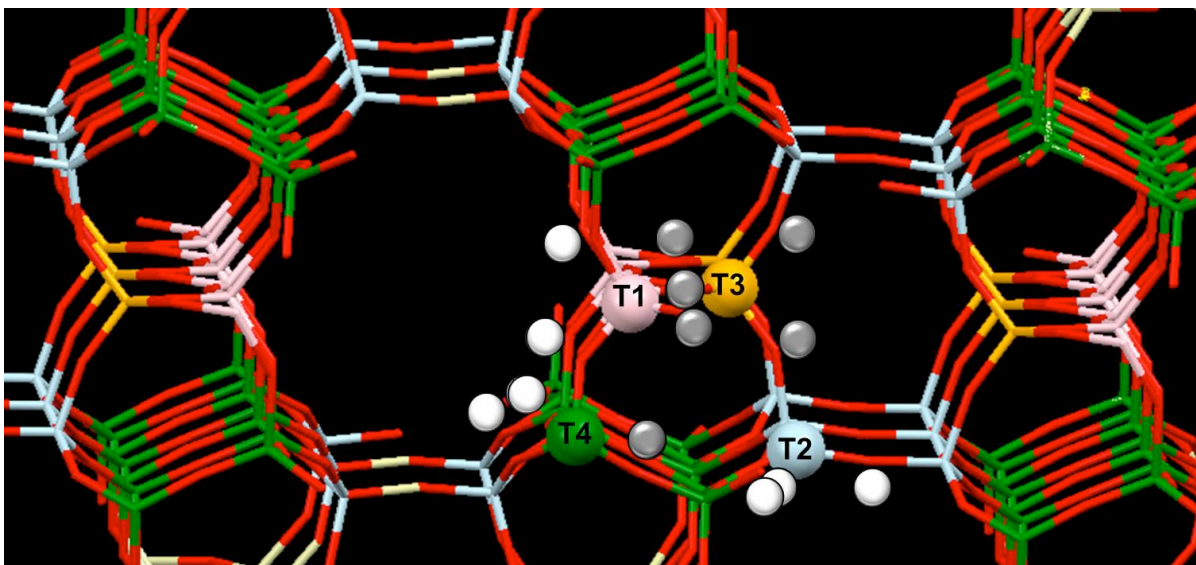


Figure S2: XRD patterns of the materials described in Figure 1.

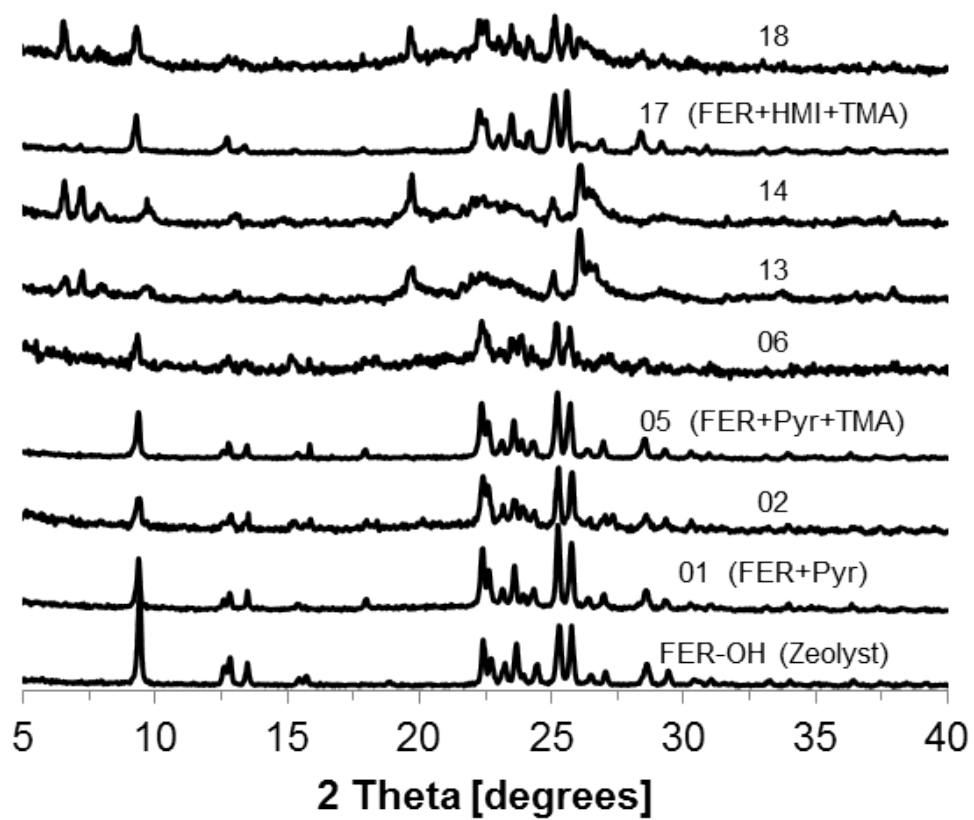


Figure S3: Thermogravimetric analyses (TGA) of the as-prepared fully crystalline ferrierite materials:
(a) FER+Pyr, (b) FER+ Pyr+TMA, and (c) FER+HMI+TMA

