Supporting Materials

Functionalization of Aluminophosphate $AlPO_4$-H1 (VPI-5) with Phenylphosphonic Acid

Wenfu Yan , Edward W. Hagaman*, and Sheng Dai*

Chemical Sciences Division, Oak Ridge National Laboratory, P.O.Box 2008, Oak Ridge, TN 37831-6201

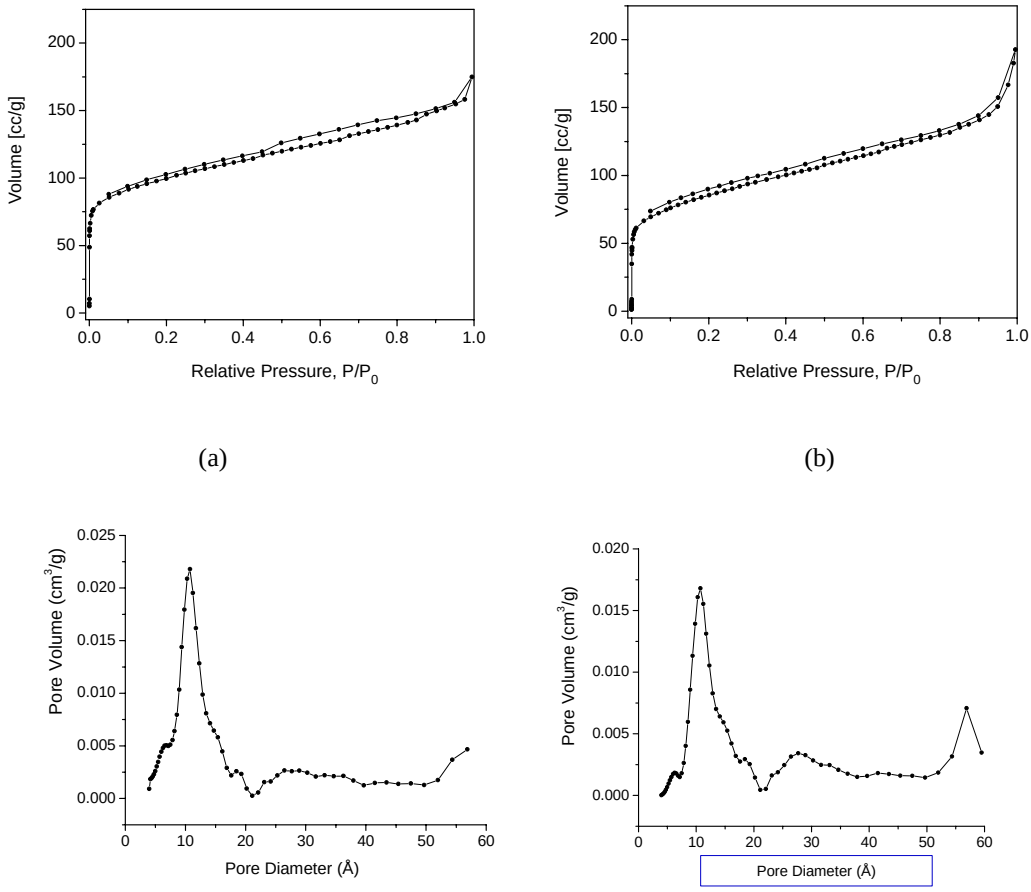

Figure s1 The adsorption isothermal plot of $AlPO_4$-H1 (a) and organic-functionalized $AlPO_4$-H1 (b) and pore size distribution curves of $AlPO_4$-H1 (c) and organic-functionalized $AlPO_4$-H1 (d).

* corresponding author: dais@ornl.gov

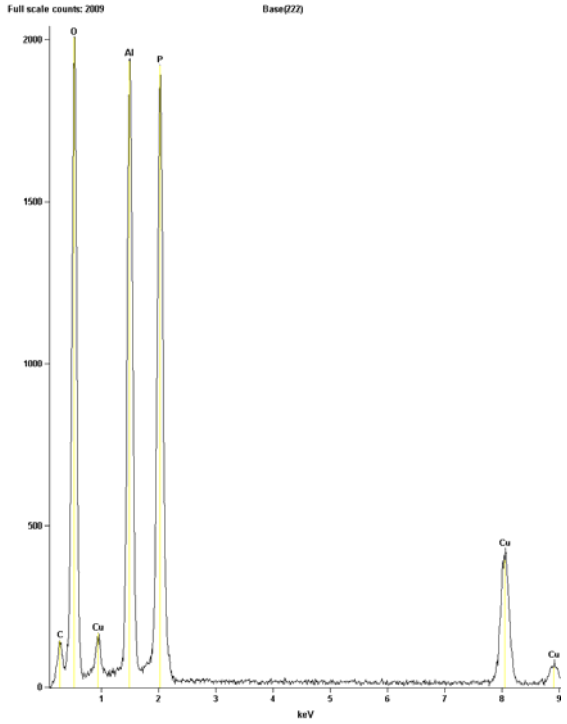

Figure s2 The EDX analysis of (AlPO4)1-x(AlPhPO3)x-H1

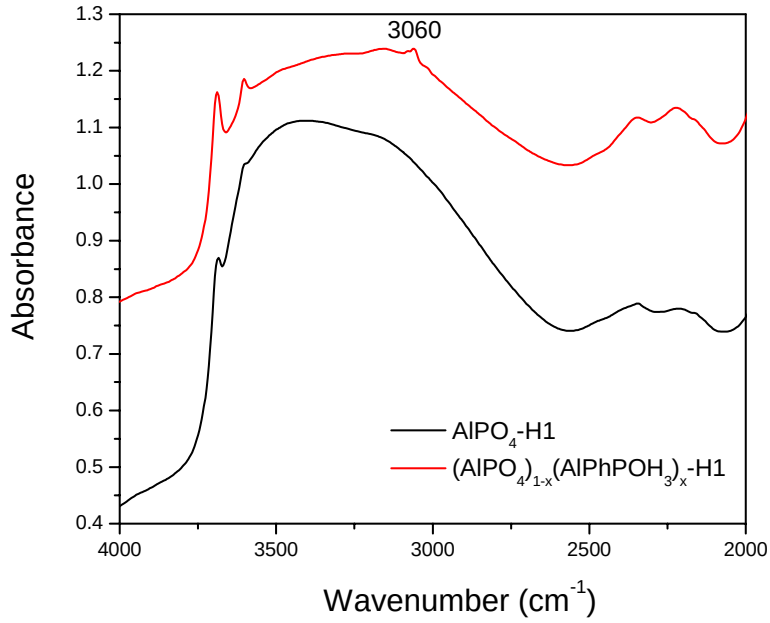

Figure s3 Comparison of FT-IR spectra of VPI-5 and functionalized VPI-5.