

Correlating Heat of Adsorption of CO to Reaction Selectivity: Geometric Effects vs. Electronic Effects in Neopentane Isomerization over Pt and Pd catalysts

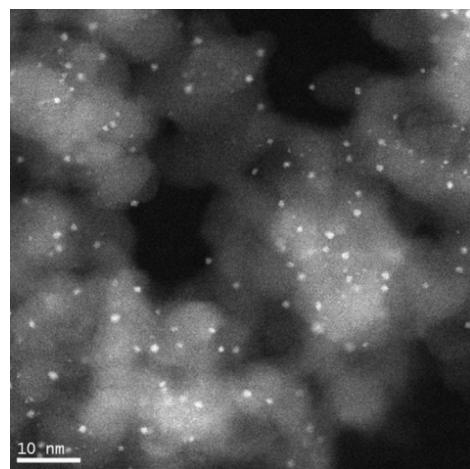
David Childers¹, Arindom Saha², Neil Schwetizer³, Robert M. Rioux², Jeffrey T. Miller³, Randall J. Meyer¹

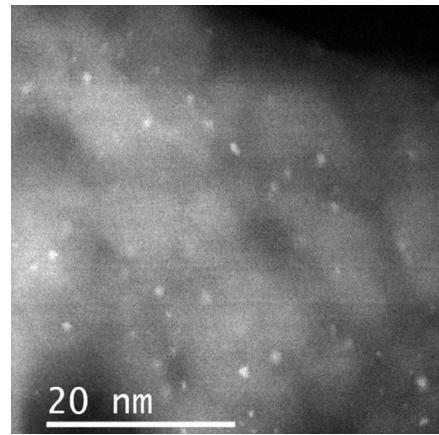
¹Department of Chemical Engineering, University of Illinois at Chicago

²Department of Chemical Engineering, The Pennsylvania State University

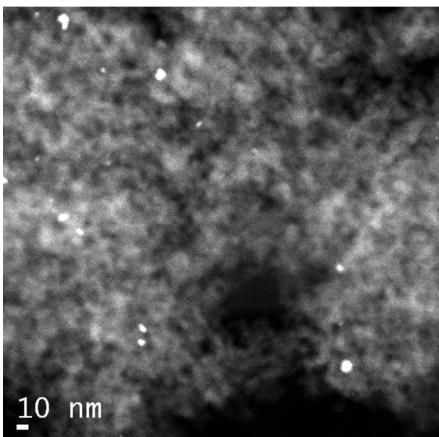
³Division of Chemical Sciences and Engineering, Argonne National Laboratory

Supplemental information

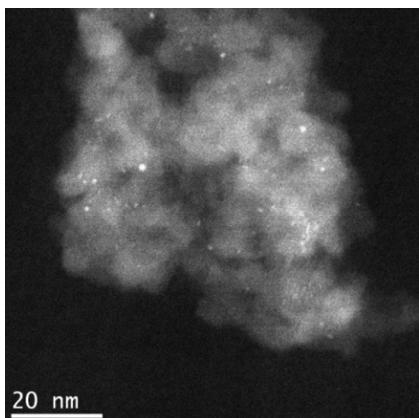




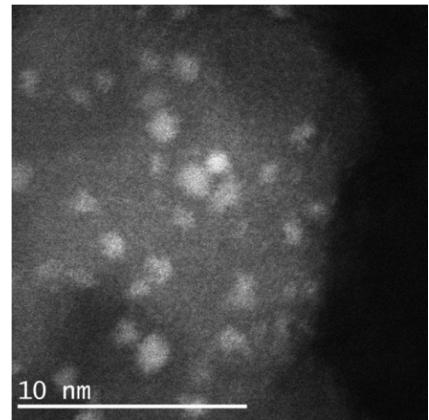
B)



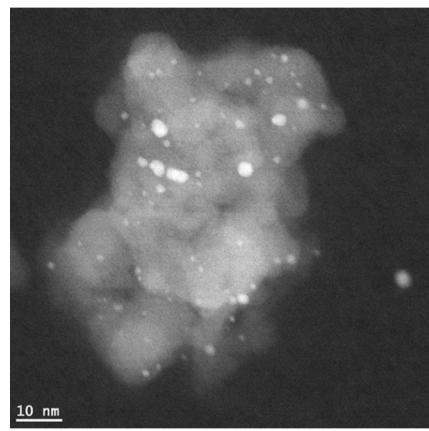
C)



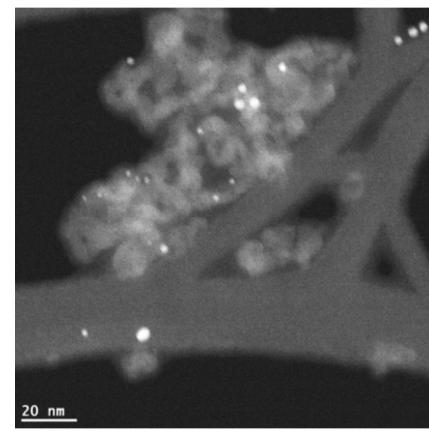
D)



E) 10 nm



F) 10 nm



G) 20 nm

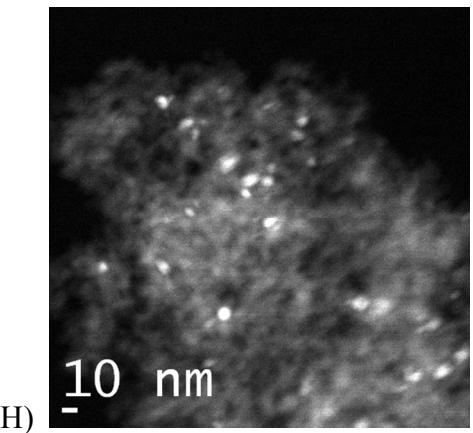


Figure S1: STEM images and particle size distributions **A.** 2Pt-p51.A **B.** 1Pt-p51.D

C. 1Pt-p54.F **D.** 1Pt-p54.H **E.** 2Pd-p43 **F.** 2Pd-p22 **G.** 2Pd-p23 **H.** 2Pd-p25