

Novel Fe–Pd/ γ -Al₂O₃ catalysts for the selective hydrogenation of C≡C bonds under mild conditions

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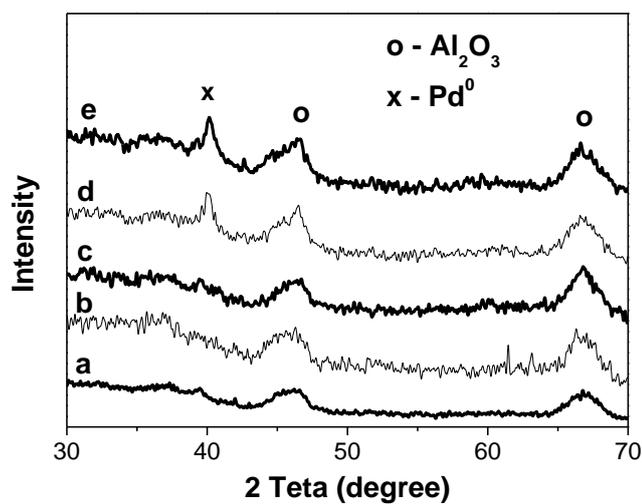


Figure S1 XRD patterns of (a) Al₂O₃, (b) PdFe-A, (c) PdFe-A-H, (d) PdFe-N, and (e) PdFe-N-H.

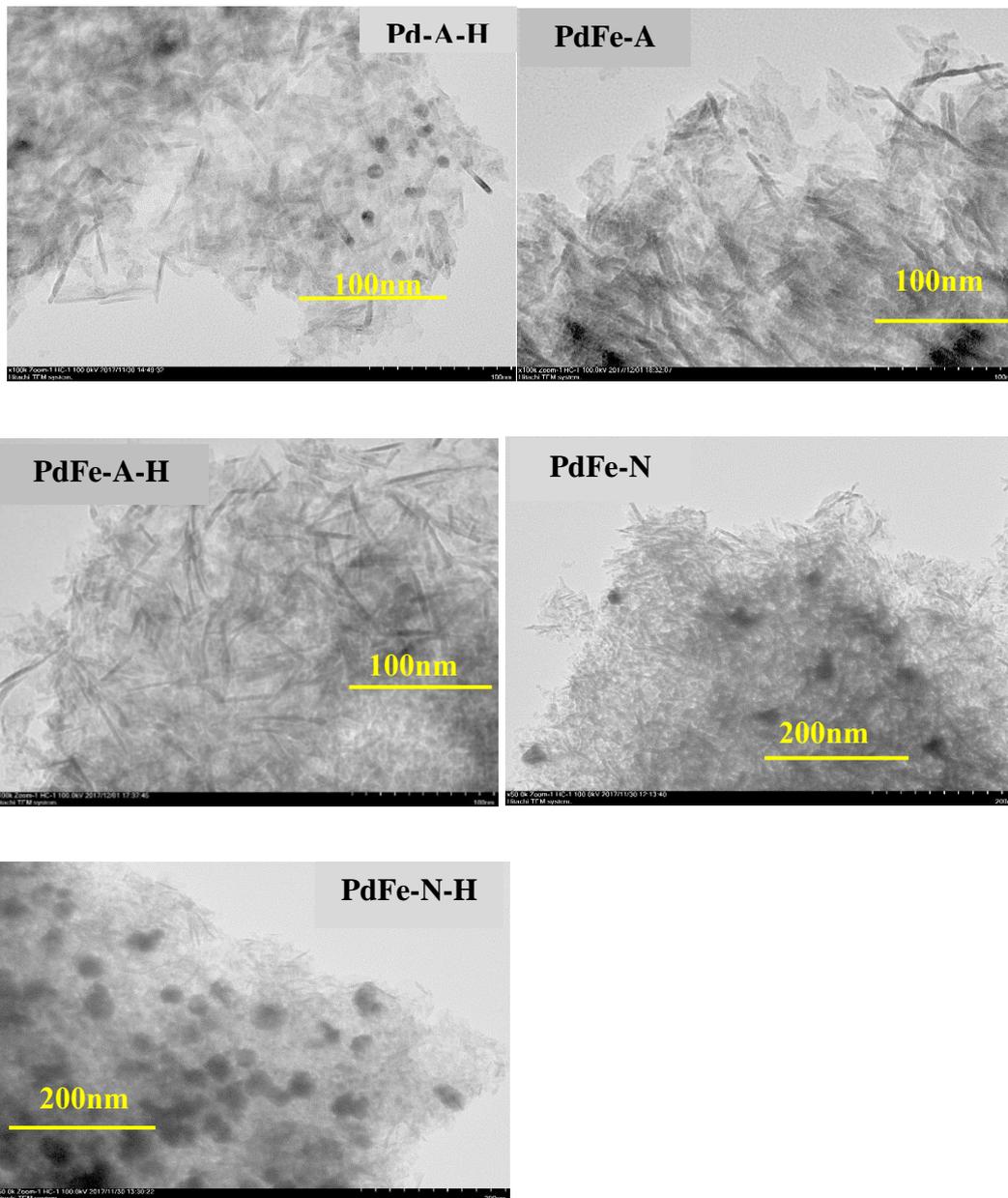


Figure S2 TEM images of the Pd/Al₂O₃ and Pd-Fe/Al₂O₃ catalysts calcined under different conditions.

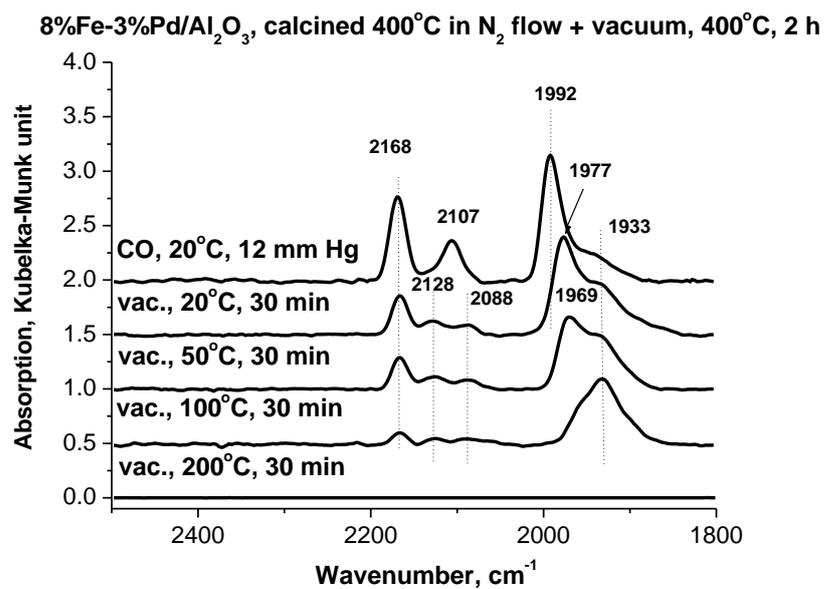


Figure S3 DRIFT spectra of adsorbed CO on PdFe-N.

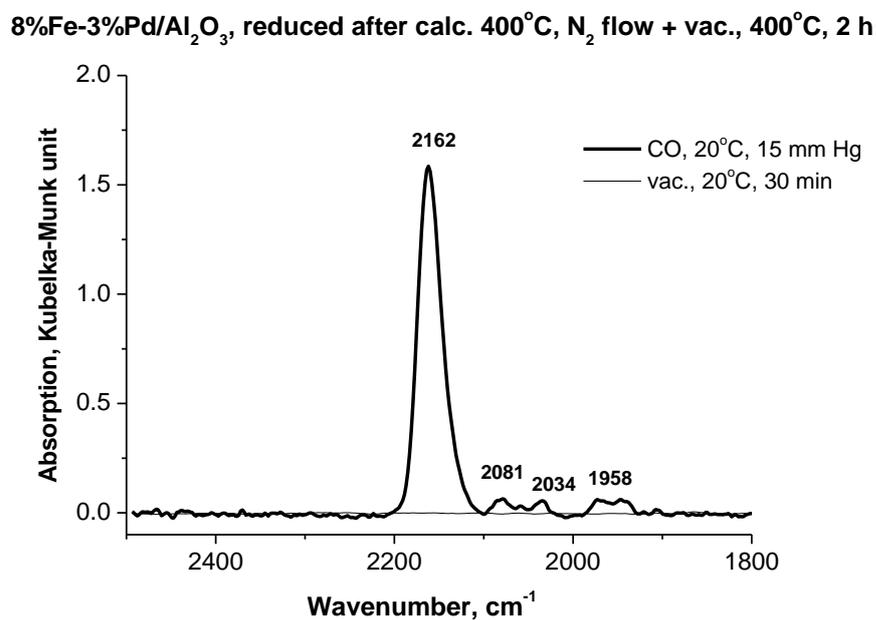


Figure S4 DRIFT spectra of adsorbed CO on PdFe-N-H.

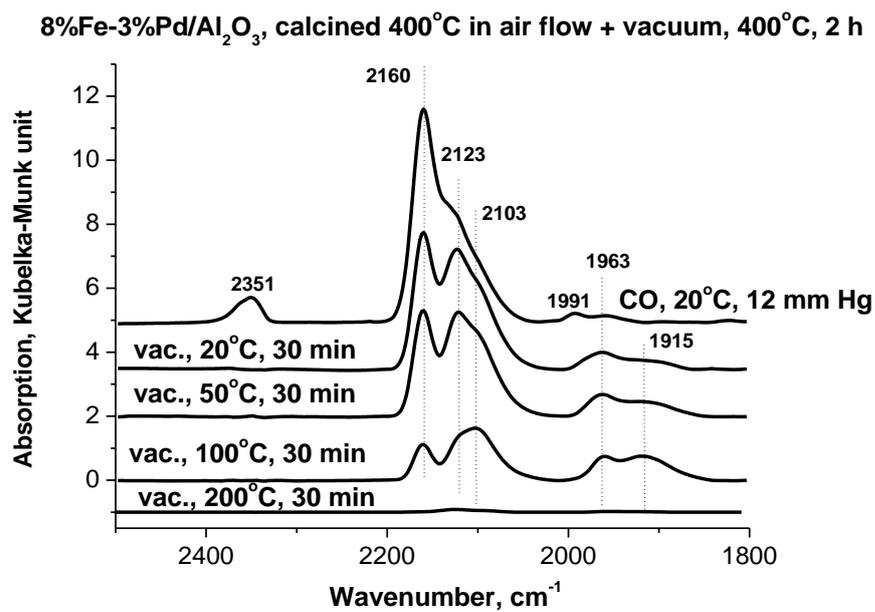


Figure S5 DRIFT spectra of adsorbed CO on PdFe-A.

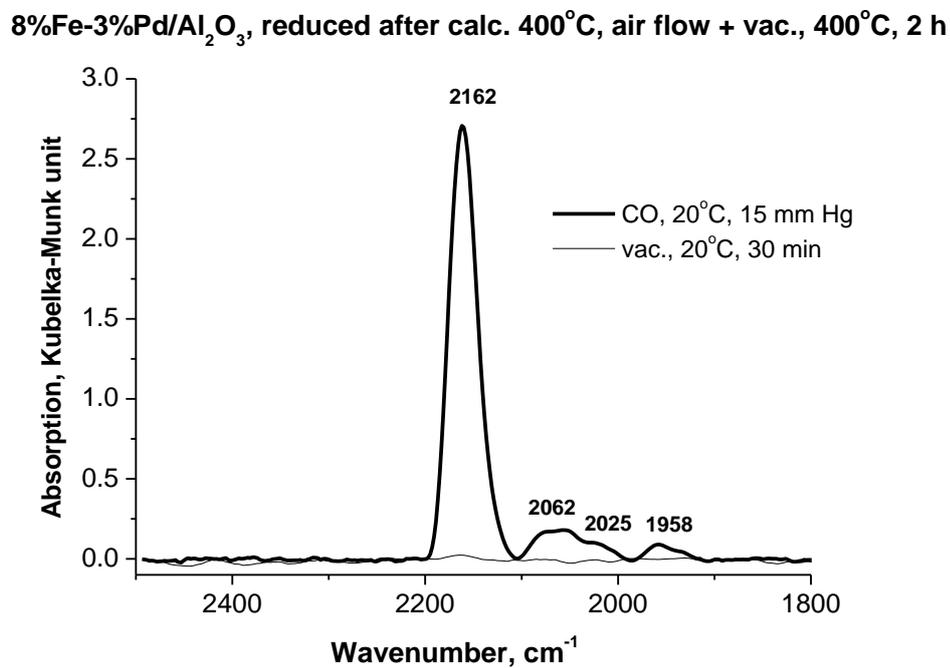


Figure S6 DRIFT spectra of adsorbed CO on PdFe-A-H.

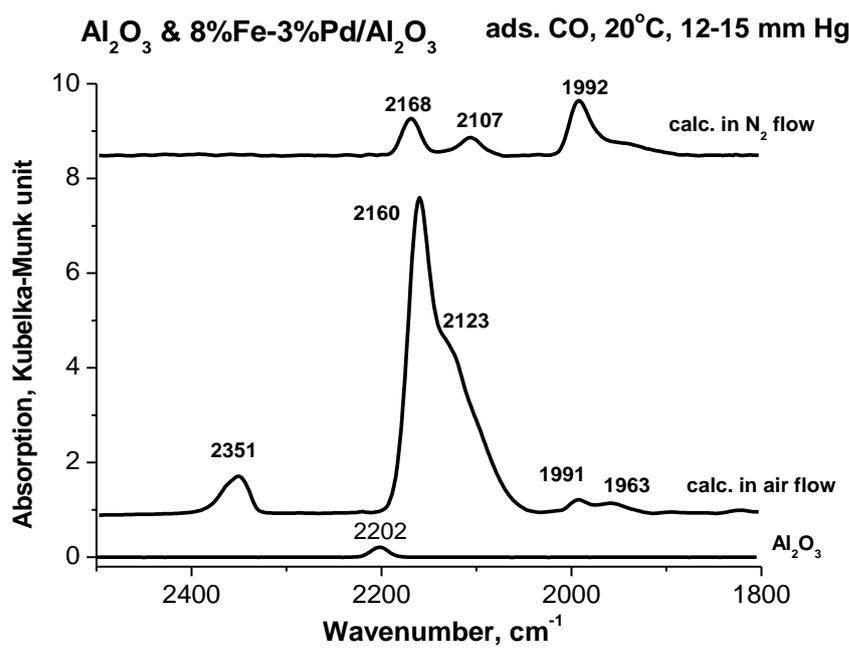


Figure S7 Comparison of DRIFT-CO spectra of the parent support and catalysts treated under different conditions.