

Supplementary Information:

Metal-organic gels as functionalisable supports for catalysis

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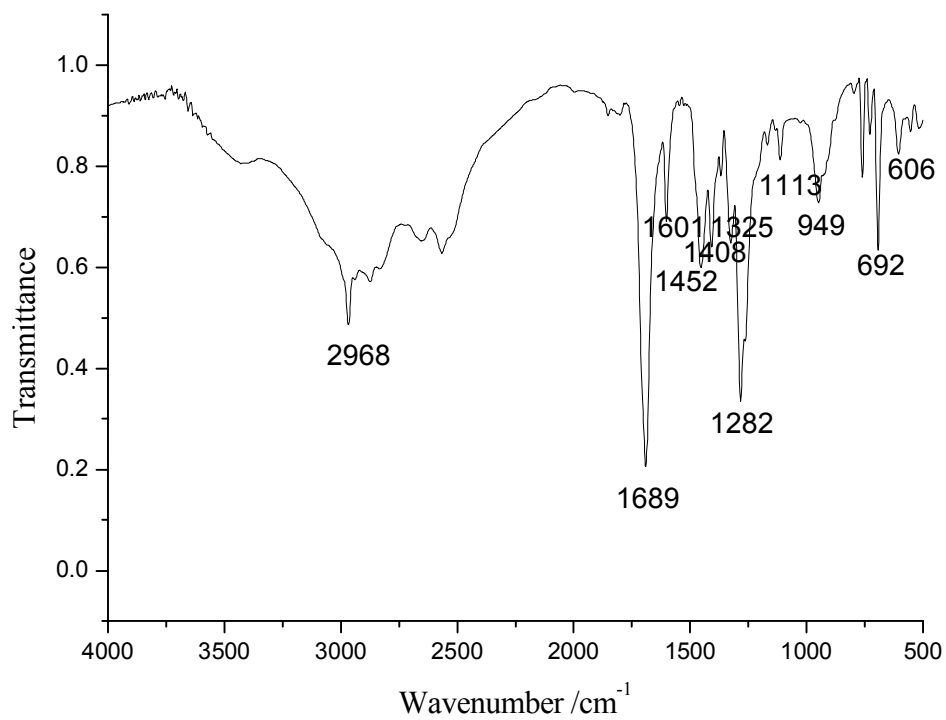


Figure S1 Infrared spectrum of 5-*tert*-butylisophthalic acid (H₂BuBDC) (KBr pellet)

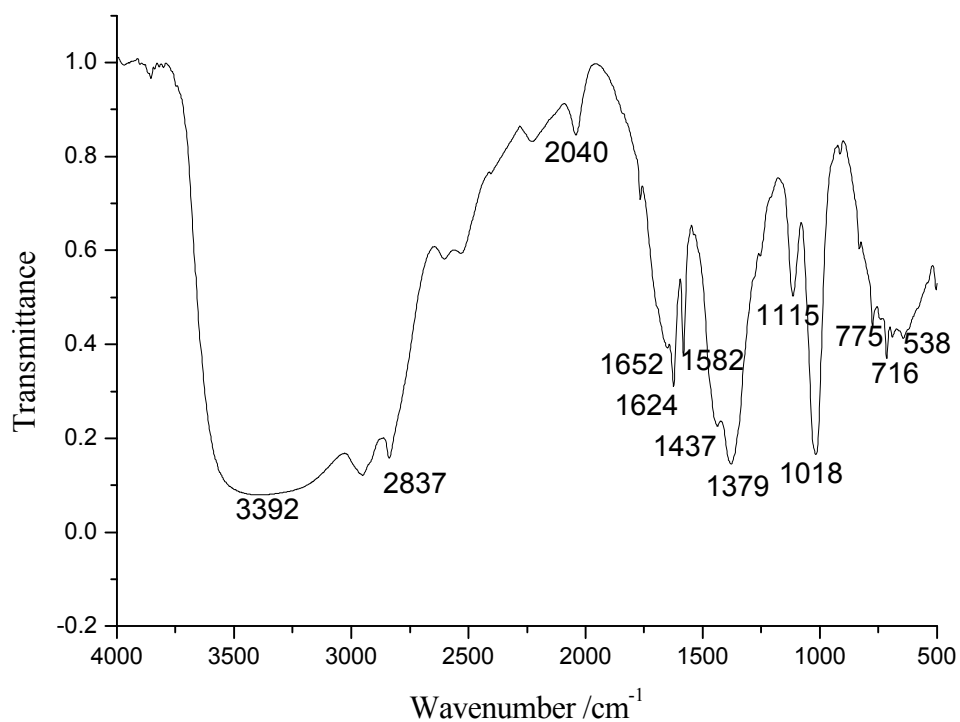


Figure S2 Infrared spectrum of H₂BuBDC-Fe gel formed in MeOH (GBu1) (neat gel, KBr plates)

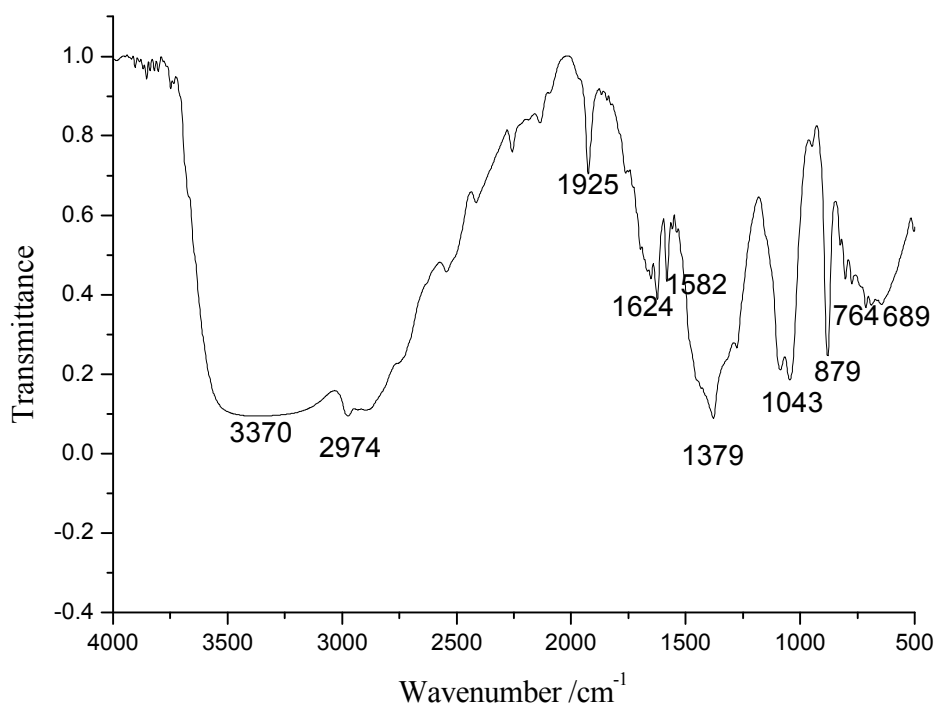


Figure S3 Infrared spectrum of H₂BuBDC-Fe gel formed in EtOH (GBu2) (neat gel, KBr plates)

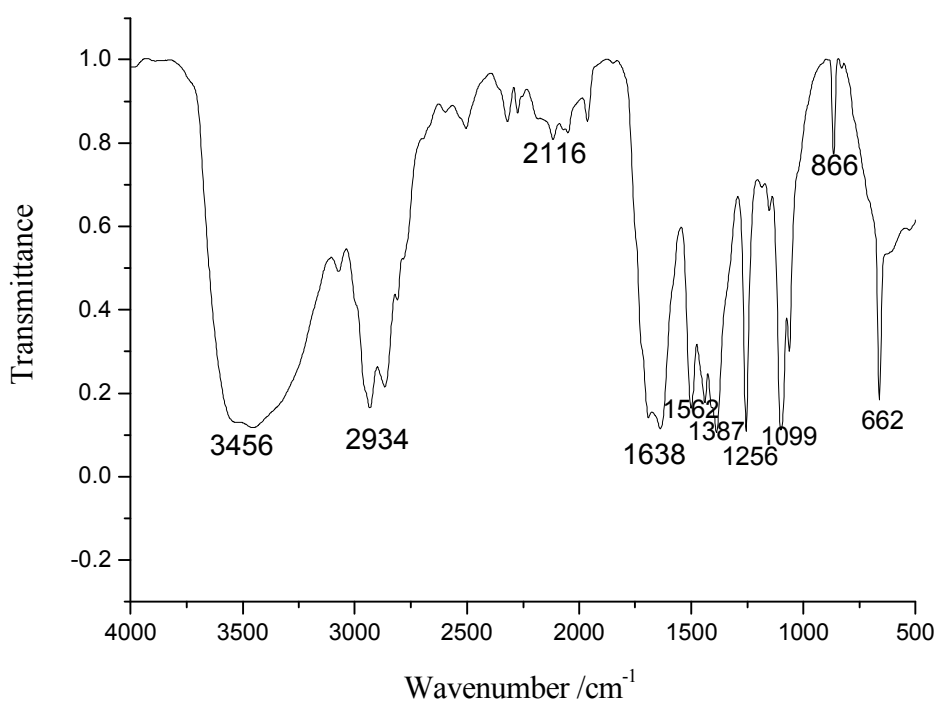


Figure S4 Infrared spectrum of H₂BuBDC-Fe gel formed in DMF (GBu3) (neat gel, KBr plates)

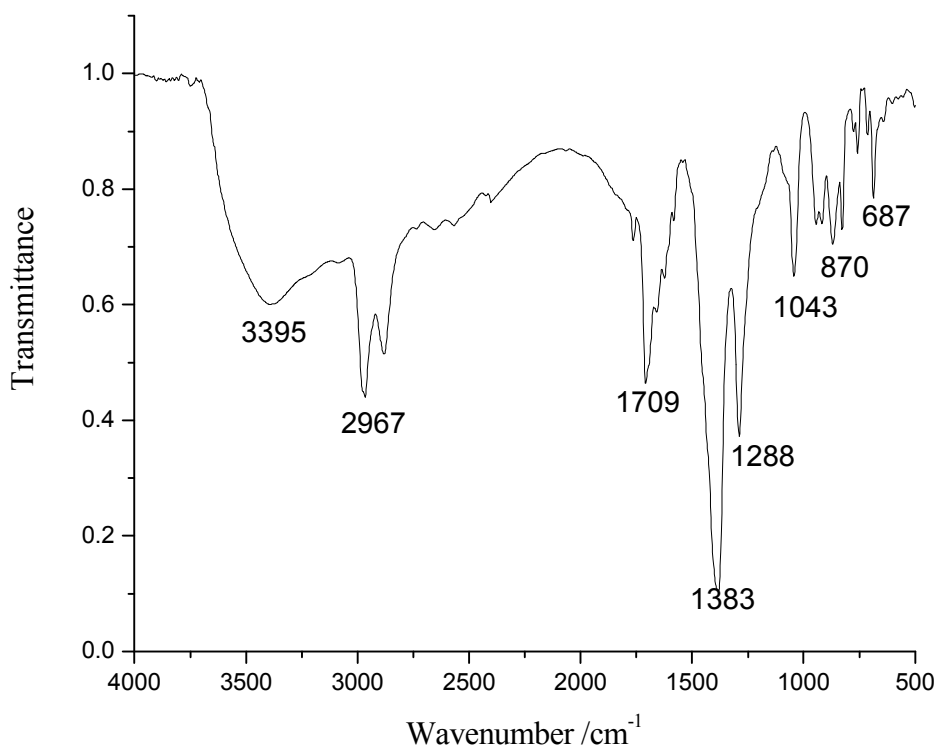


Figure S5 Infrared spectrum of H₂BuBDC-Fe gel formed in THF (GBu4) (neat gel, KBr plates)

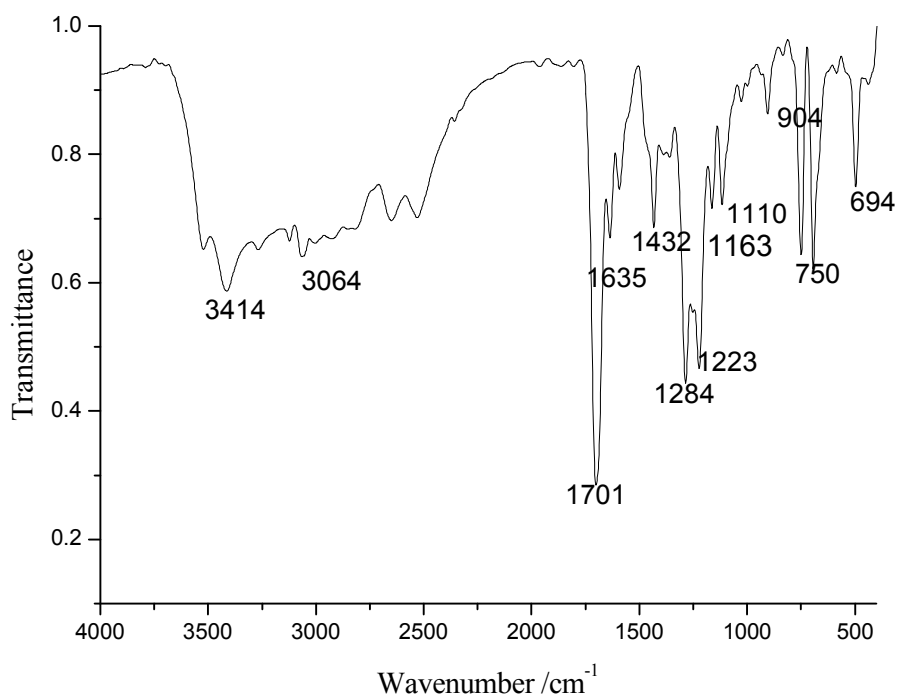


Figure S6 Infrared spectrum of 5-diphenylphosphanylisophthalic acid (H₂PBDC) (KBr pellet)

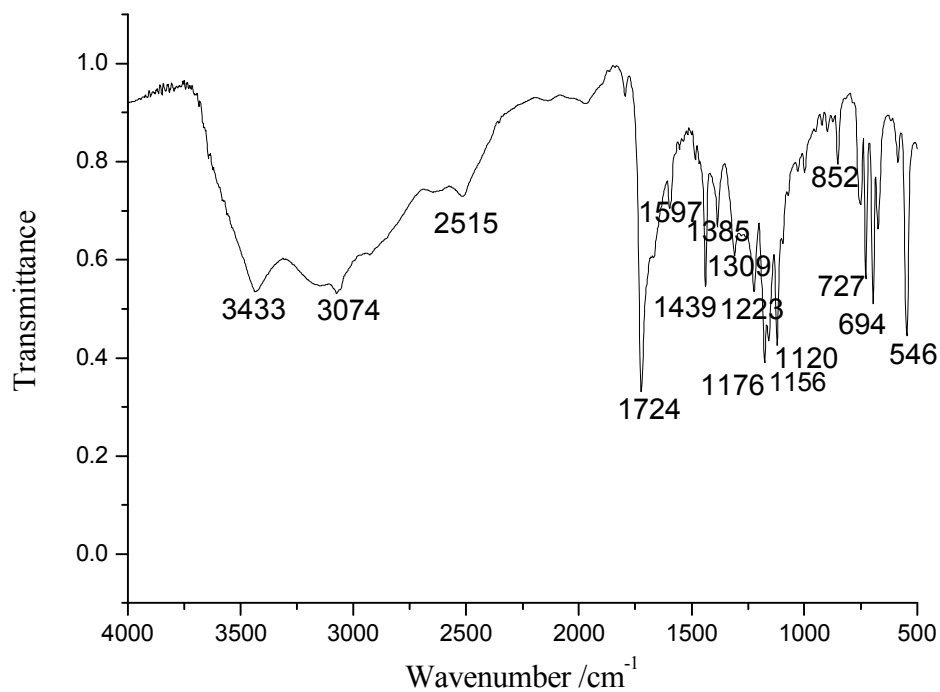


Figure S7 Infrared spectrum of 5-diphenylphosphanylisophthalic acid oxidized by H₂O₂ (KBr pellet)

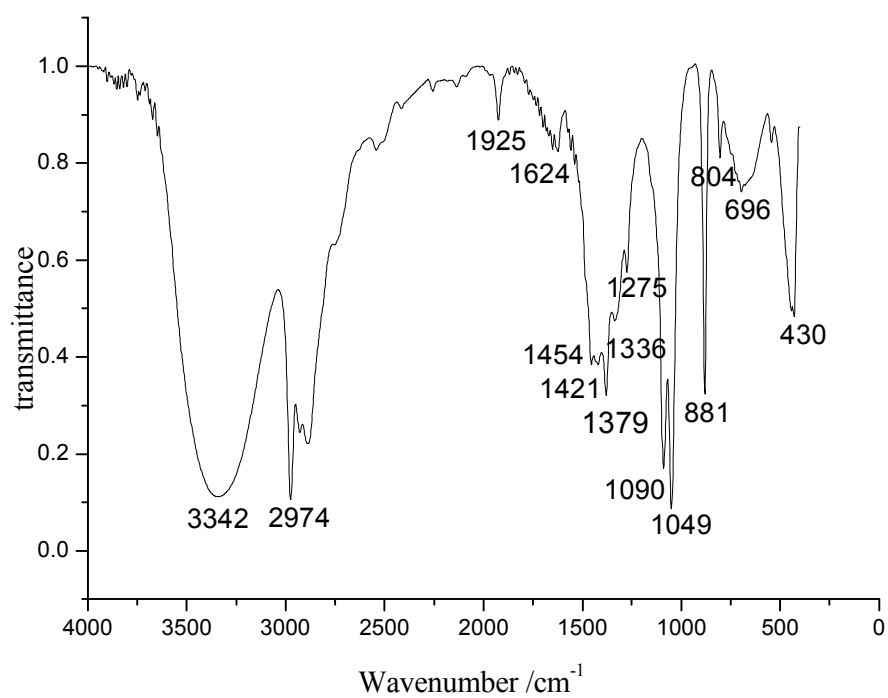


Figure S8 Infrared spectrum of H₂PBDC-Fe gel formed in EtOH (GP1) (neat gel, KBr plates)

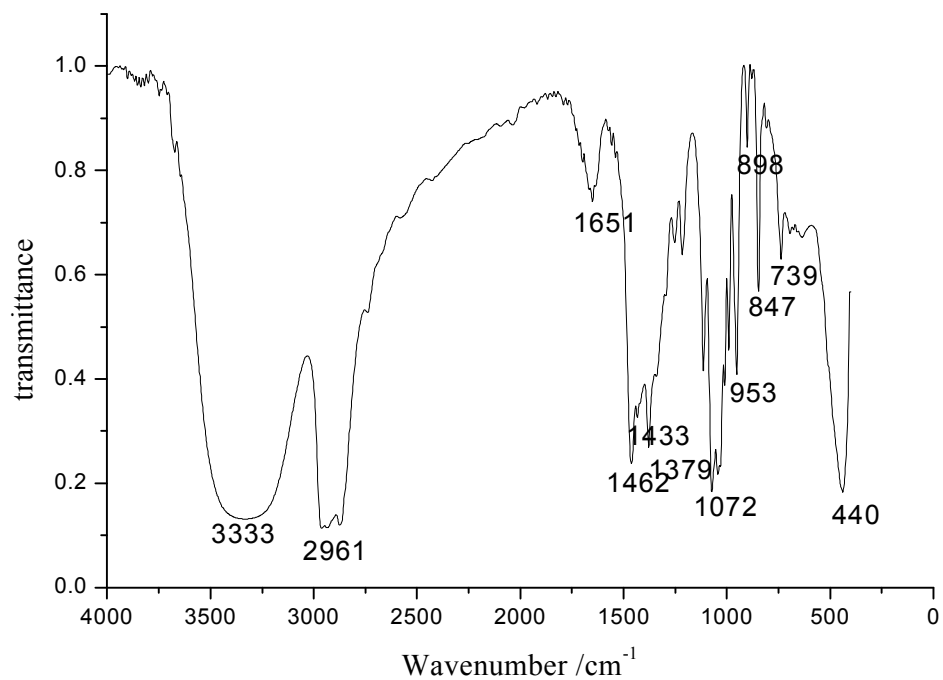


Figure S9 Infrared spectrum of H₂PBDC-Fe gel formed in *n*-BuOH (GP2) (neat gel, KBr plates)

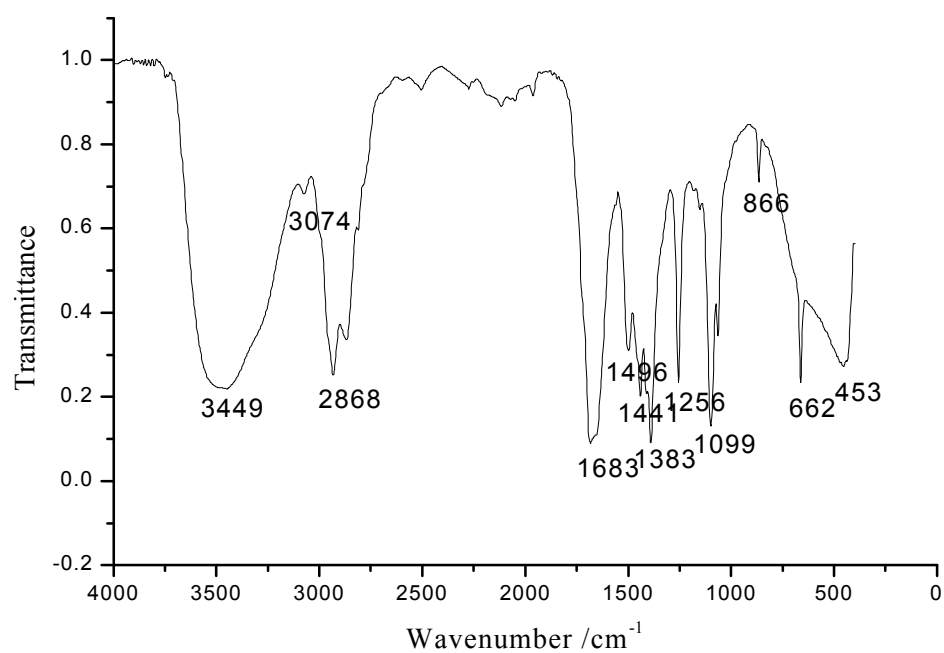


Figure S10 Infrared spectrum of H₂PBDC-Fe gel formed in DMF (GP3) (neat gel, KBr plates)

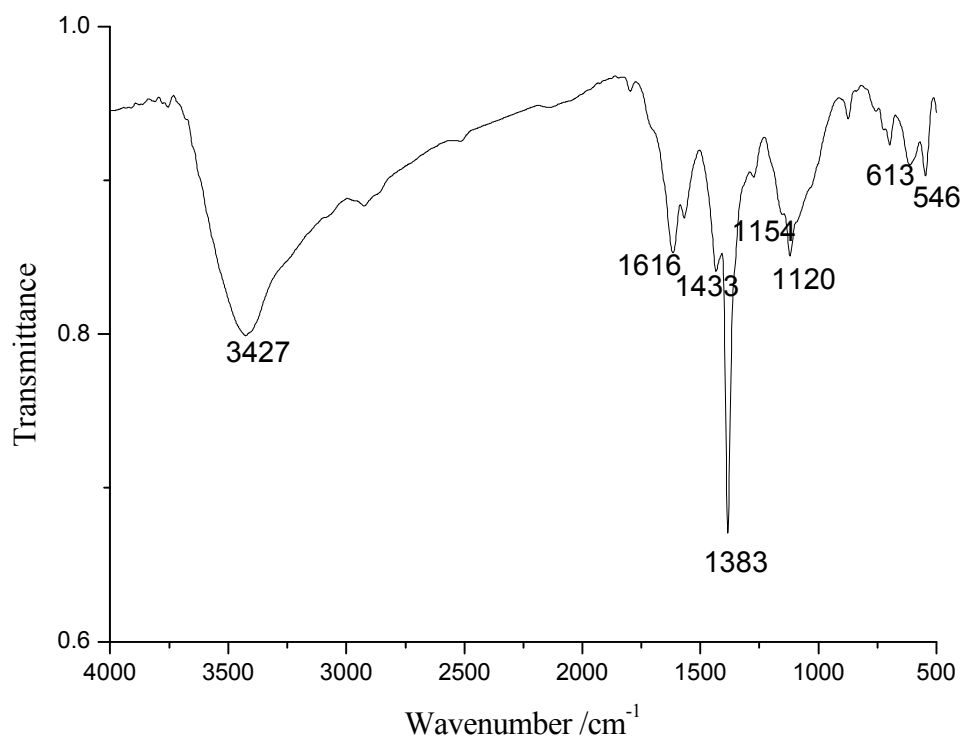


Figure S11 Infrared spectrum of xerogel gP1 (KBr pellet)

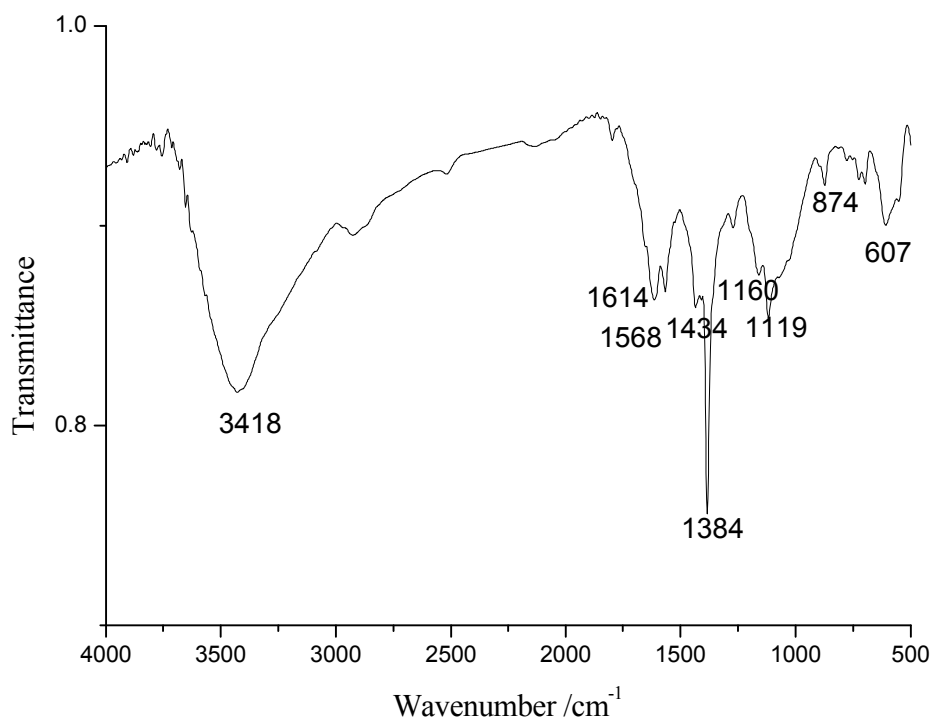


Figure S12 Infrared spectrum of xerogel gP2 (KBr pellet)

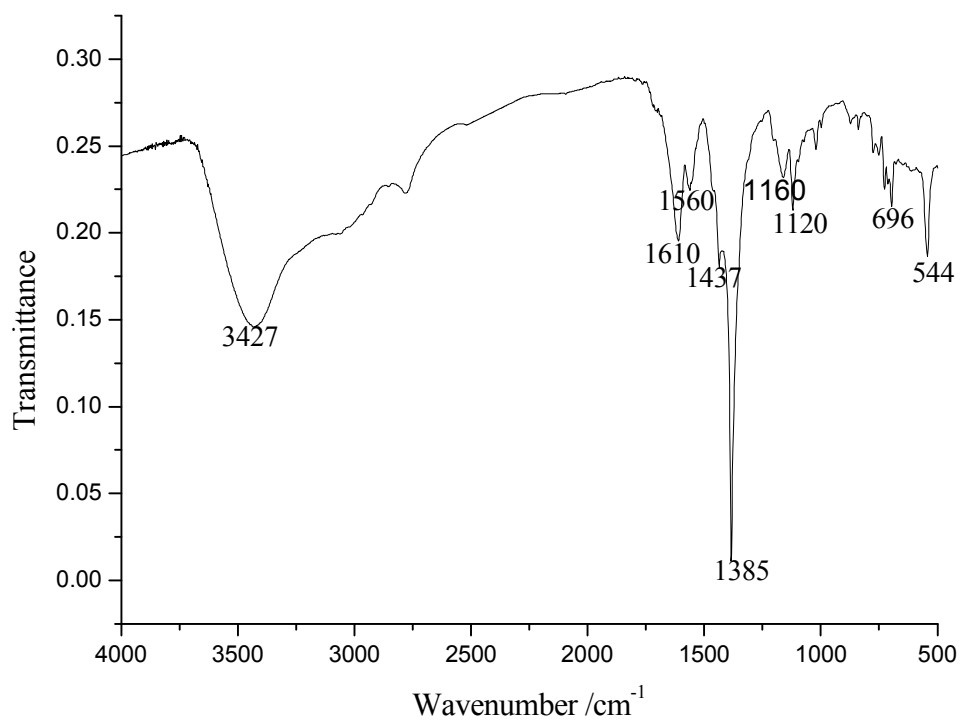


Figure S13 Infrared spectrum of xerogel gP3 (KBr pellet)

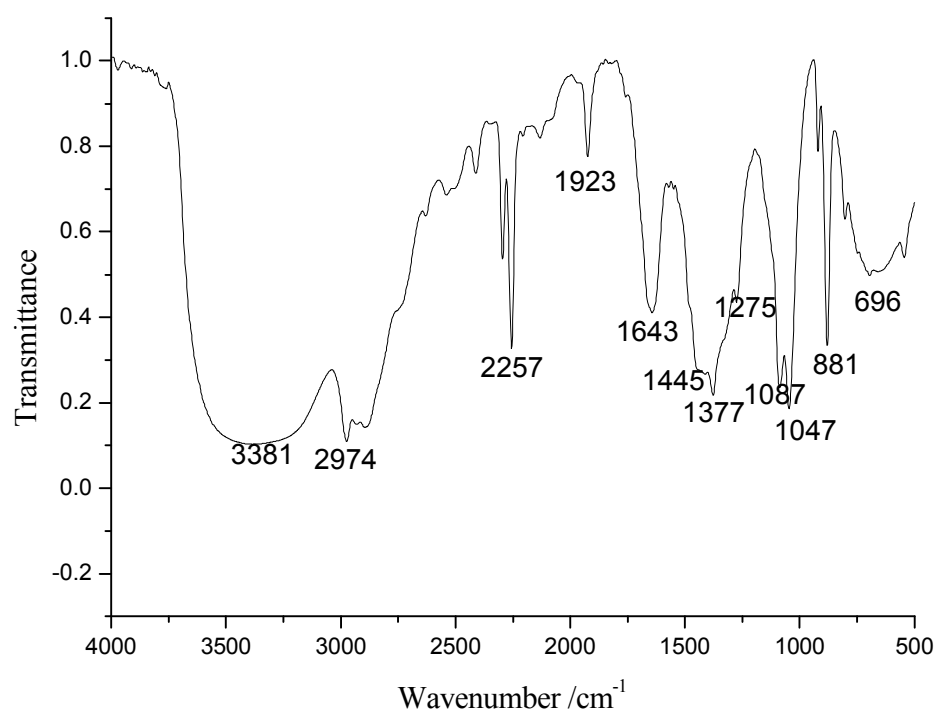


Figure S14 Infrared spectrum of GP1-Pd (neat gel, KBr plates)

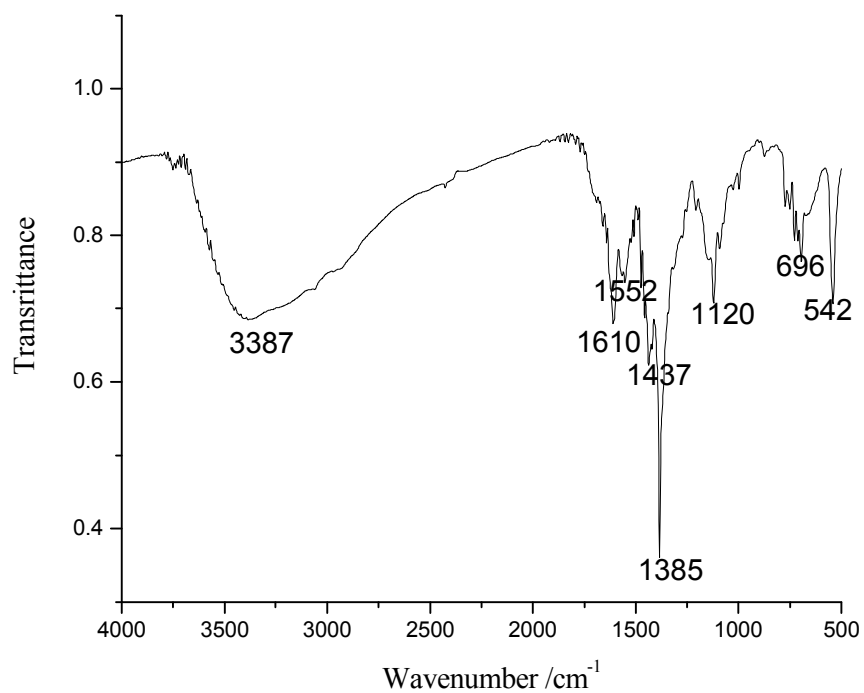


Figure S15 Infrared spectrum of xerogel gP1-Pd (KBr pellet)

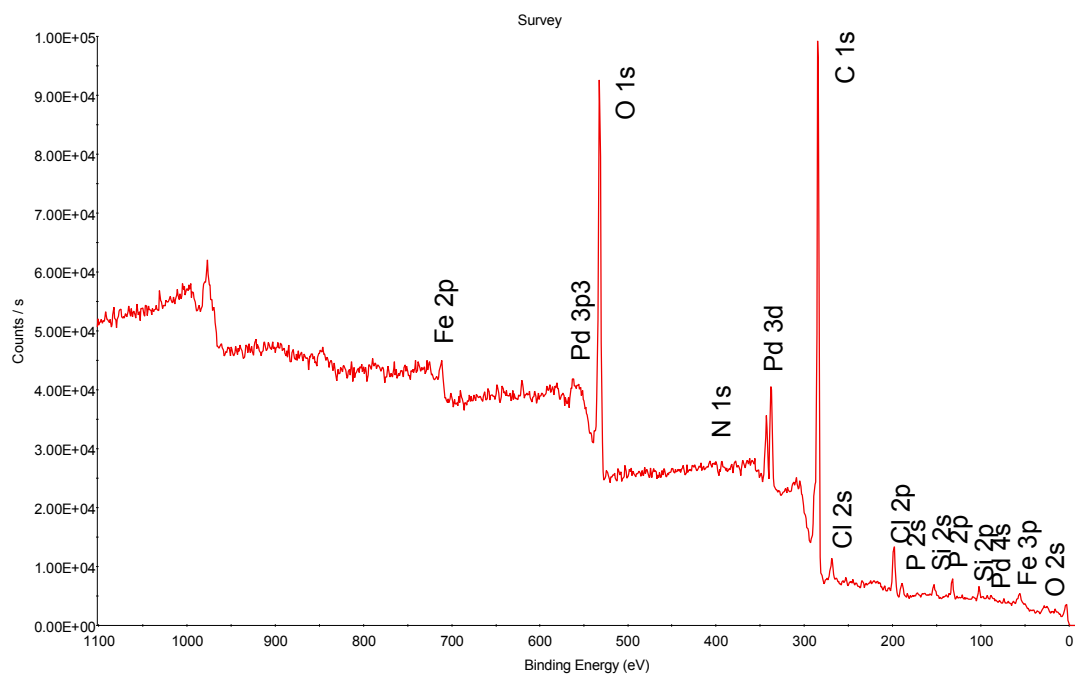


Figure S16 XPS spectrum of GP1-Pd