

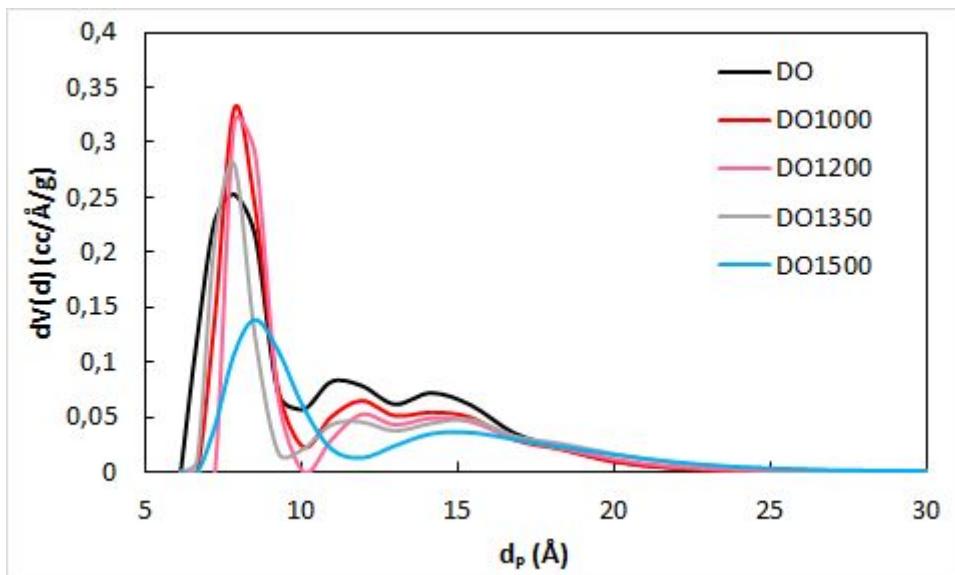
Supporting information

Supplementary Material for

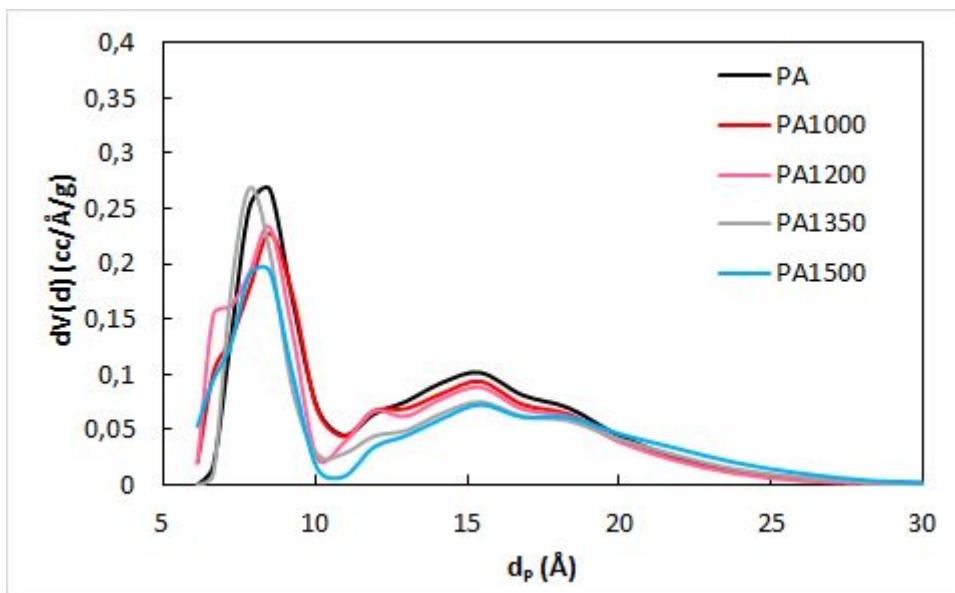
**Preparation of porous carbons from petroleum pitch and
polyaniline by thermal treatment for methane storage**

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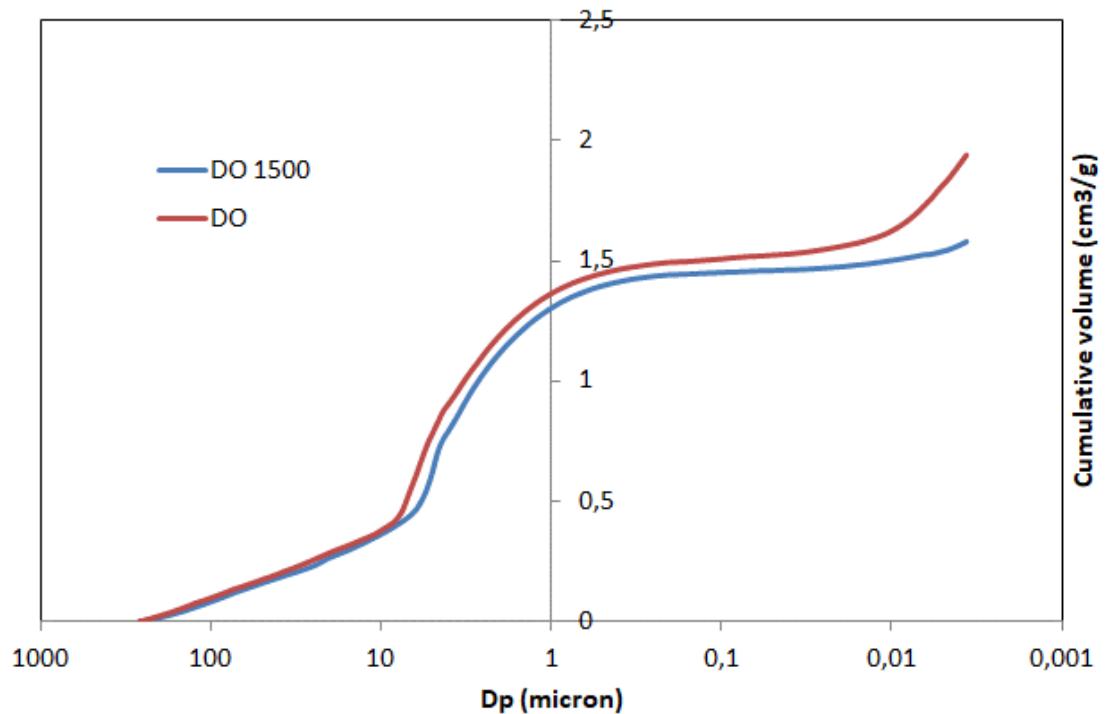


a)

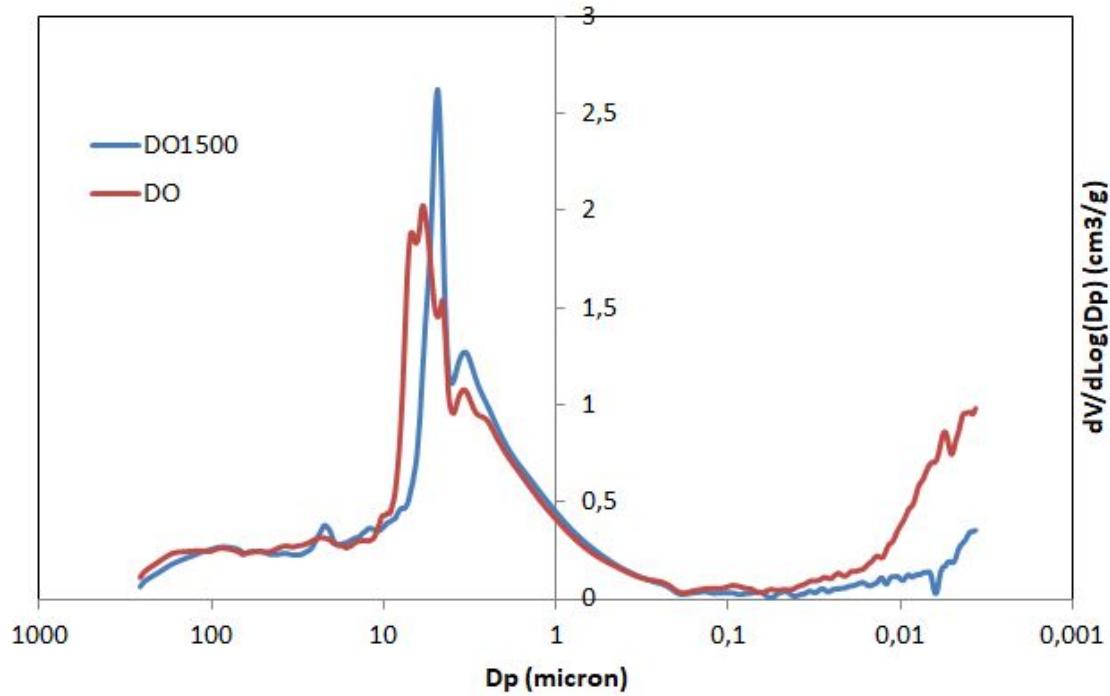


b)

Figure S1. Pore size distribution estimated from by N₂ adsorption data after application of the QSDFT : a) DO series; b) PA series



a)



b)

Figure S2. Hg porosimetry of DO and DO100:a) cumulative volume vs pore diameter; b) pore size distribution (as dV/dlog(D_p)) vs. pore diameter.

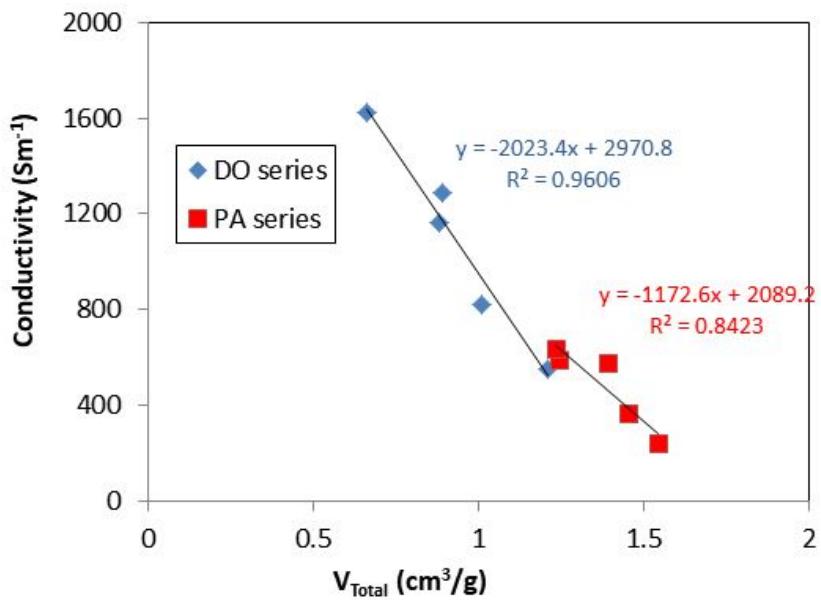


Figure S3. Electrical conductivity (S/m) vs Total pore volume for DO and PA Series

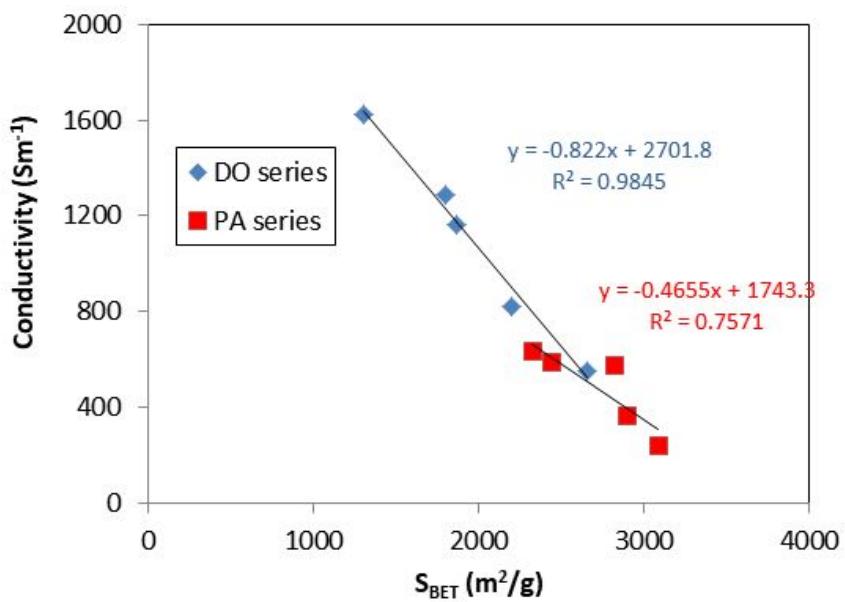


Figure S4. Electrical conductivity (S/m) vs BET surface area for DO and PA Series

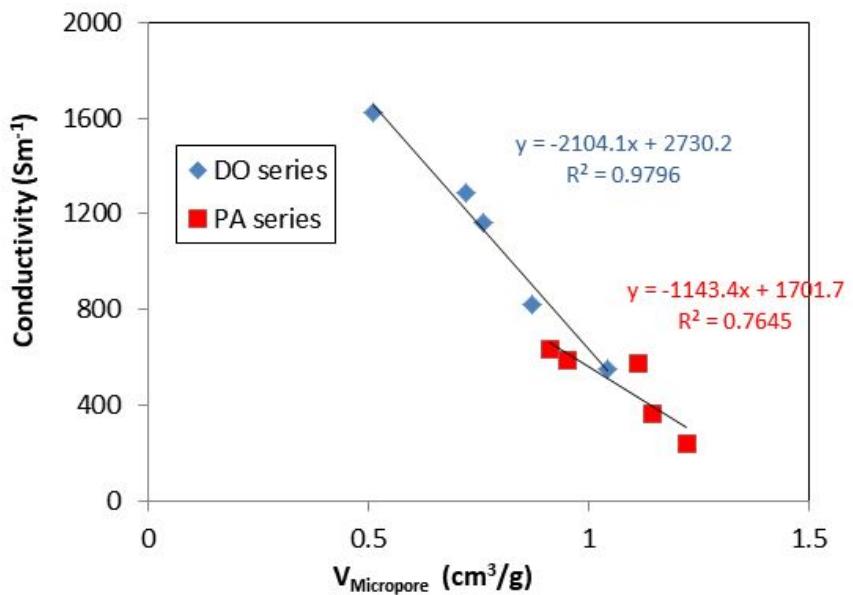


Figure S5 Electrical conductivity (S/m) vs micropore volume for DO and PA Series

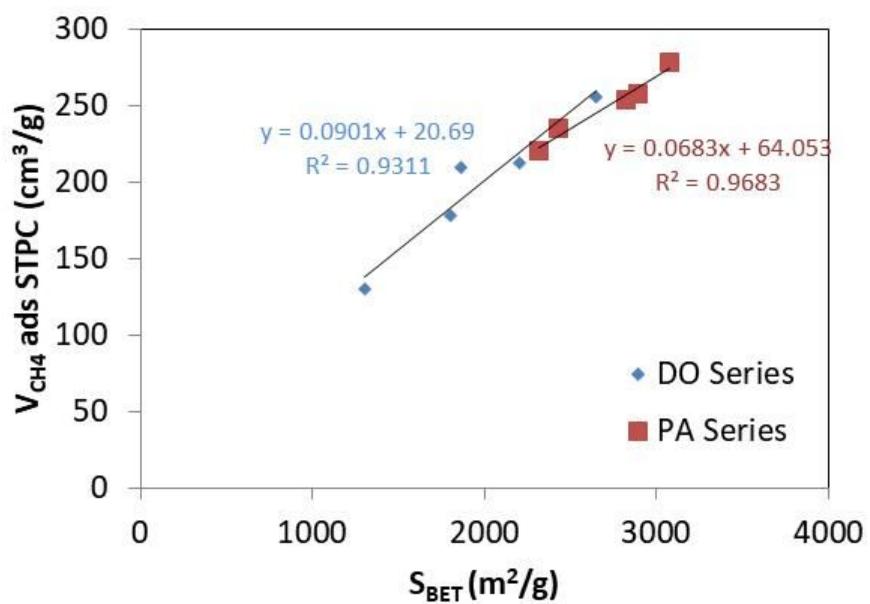


Figure S6. Methane adsorbed (V/g) vs BET surface area for DO and PA Series

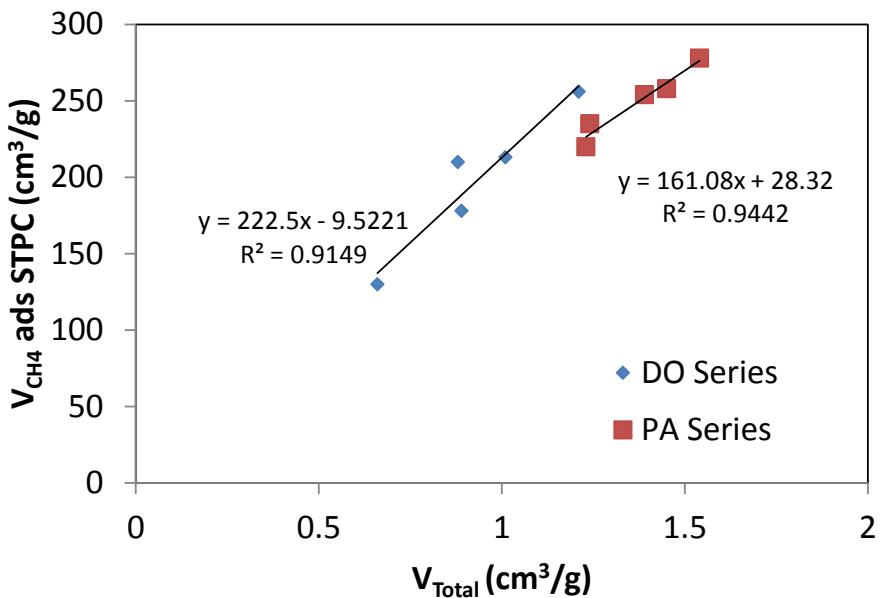


Figure S7. Methane adsorbed (V/g) vs Total Pore Volume for DO and PA Series

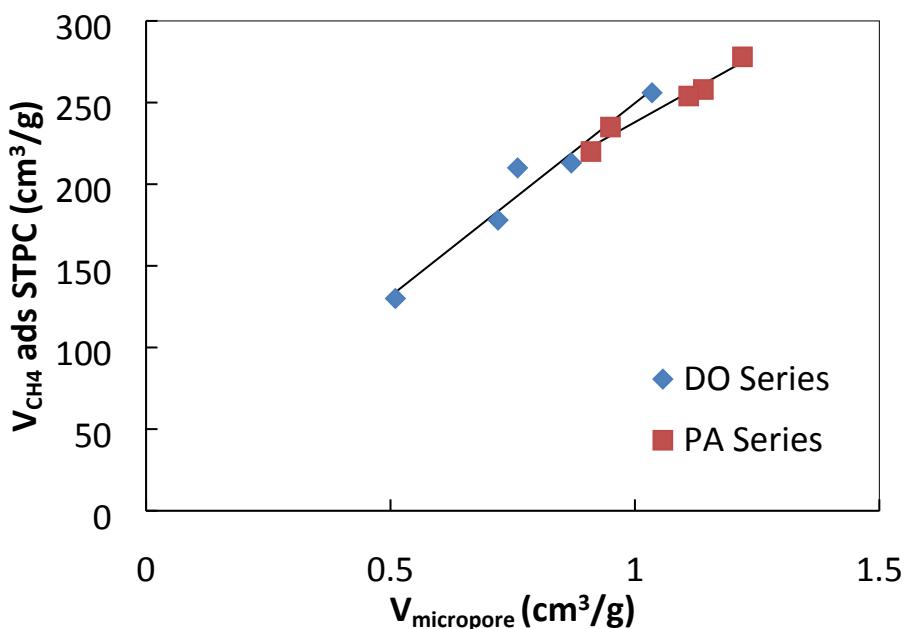


Figure S8. Methane adsorbed (V/g) vs Micropore volume for DO and PA Series

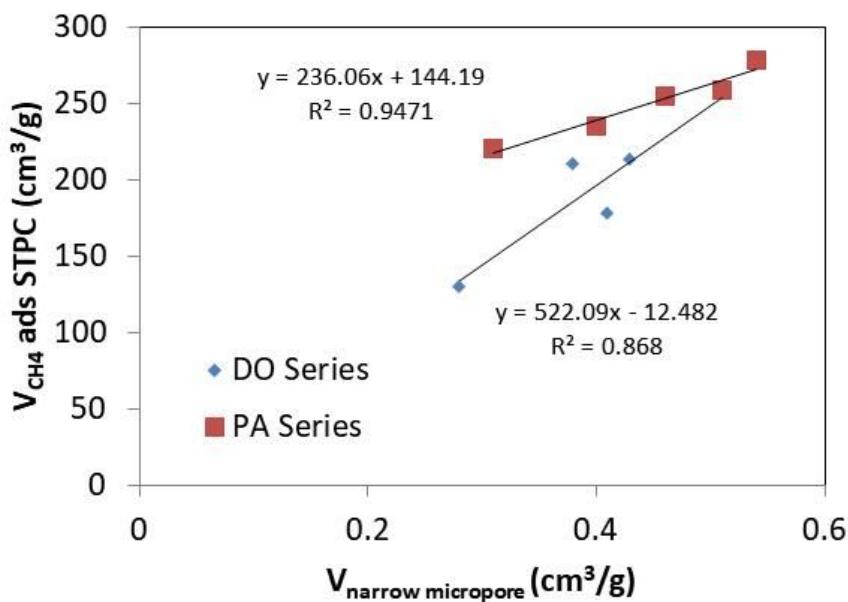


Figure S9. Methane adsorbed (V/g) vs narrow micropore volume for DO and PA Series