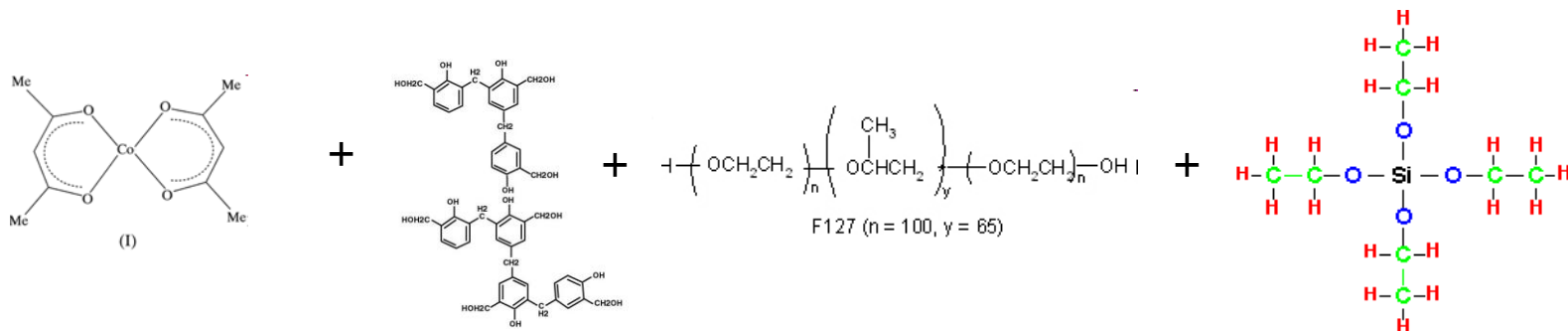
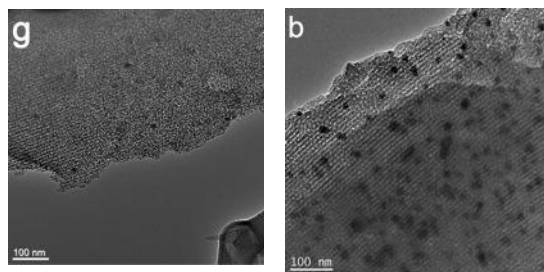
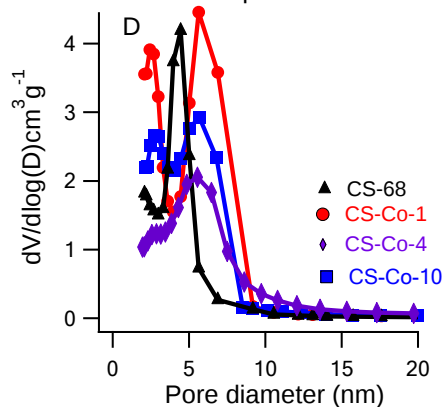
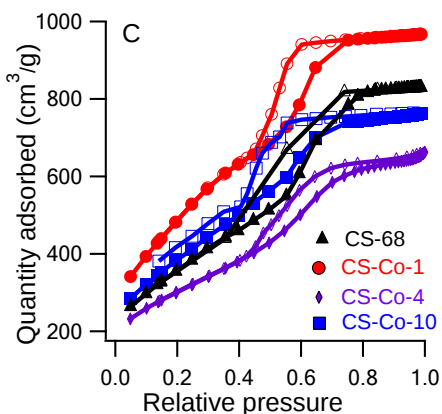


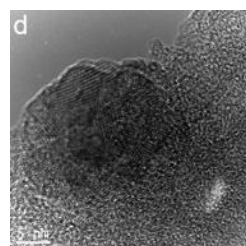
Single pot synthesis of ordered mesoporous carbon with nanoparticles



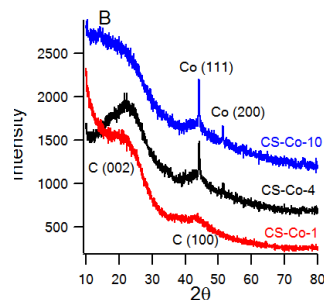
High surface area ordered mesoporous carbon composite (after NaOH etch)



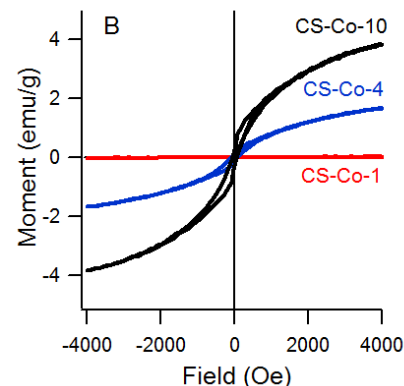
Nanoparticles dispersed in the ordered mesoporous carbon matrix



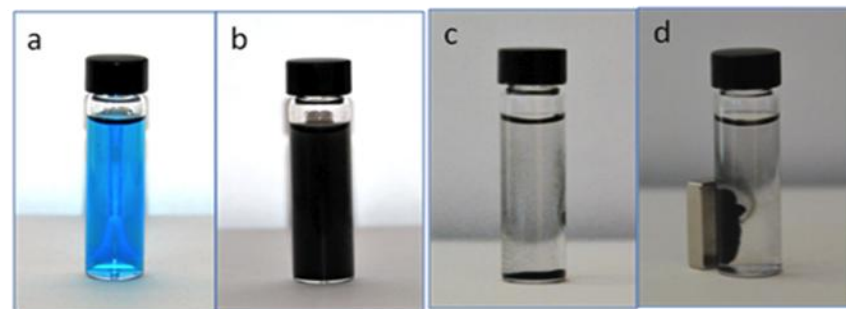
Graphitic shell surrounds Co nanoparticles



Co increases graphitic content and nanoparticles are crystalline



Powders are magnetic with high susceptibility due to small nanoparticle size



Particles are excellent adsorbents and magnetically separable

BET shows narrow pore size distribution with 10 % Co(acac)