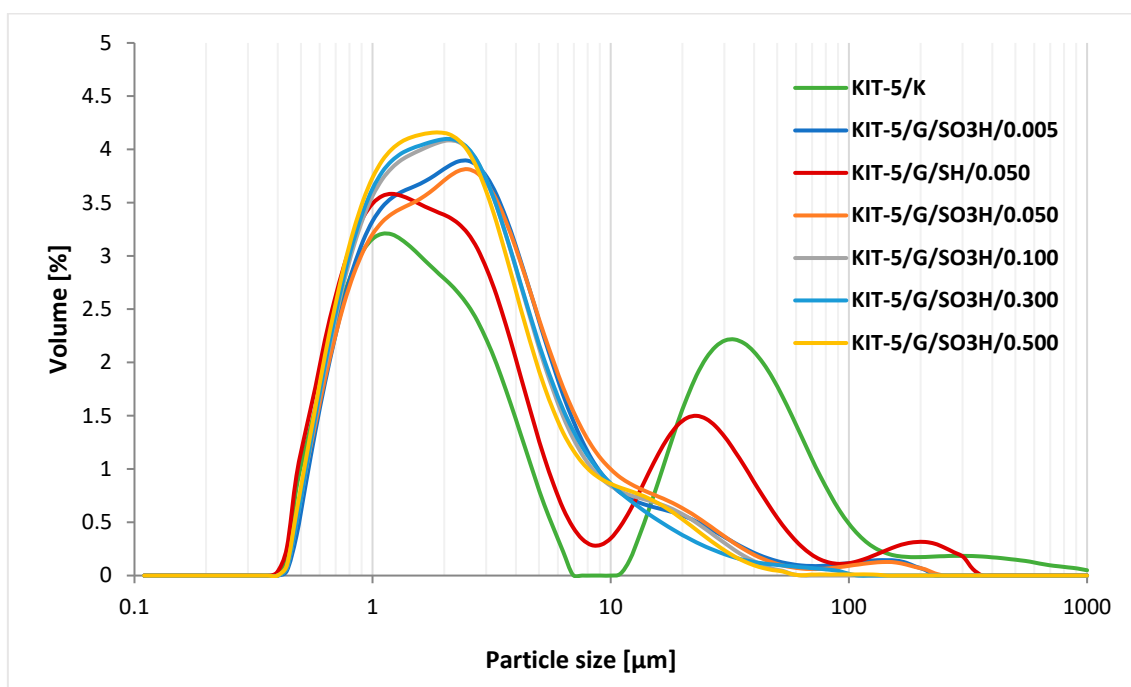


KIT-5 Structural and Textural Changes in Response to Different Methods of Functionalization with Sulfonic Groups

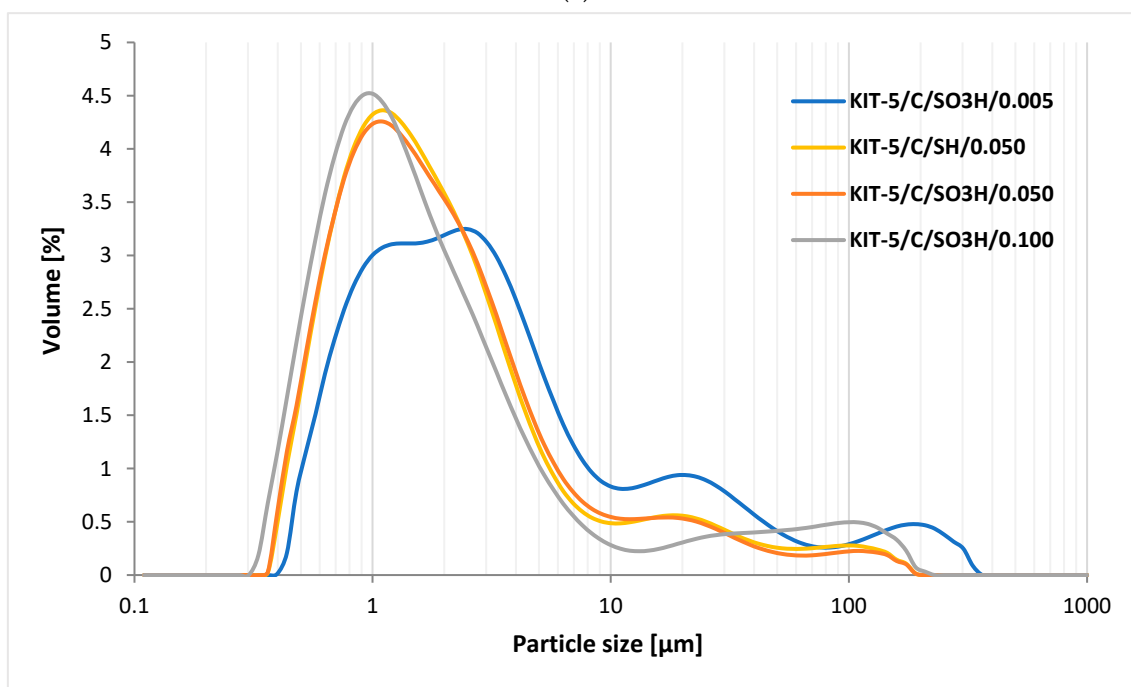
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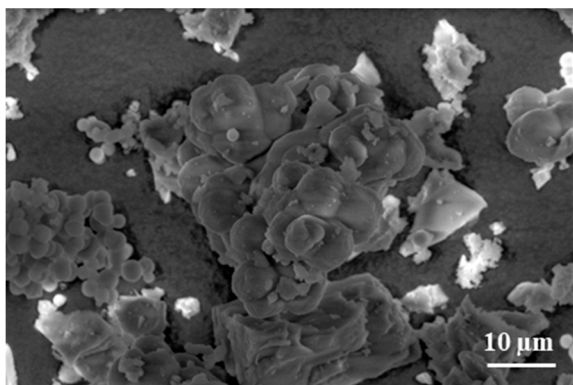


(a)

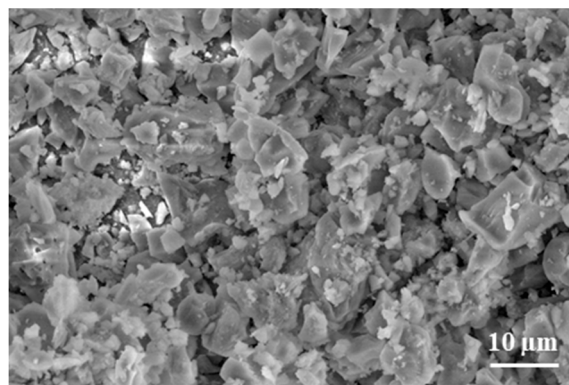


(b)

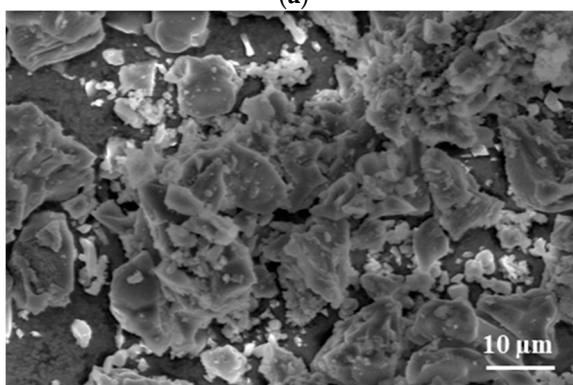
Figure S1. Comparison of the particle size distribution for the KIT-5 samples functionalized by (a) grafting or (b) co-condensation.



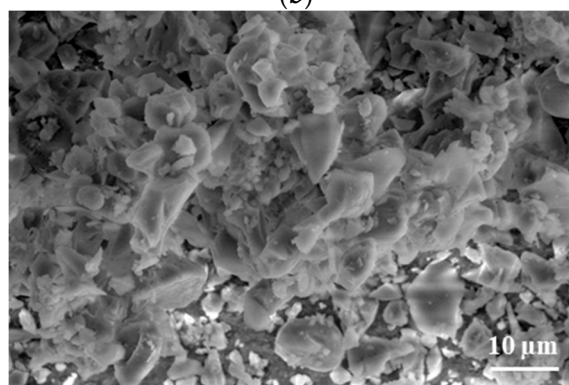
(a)



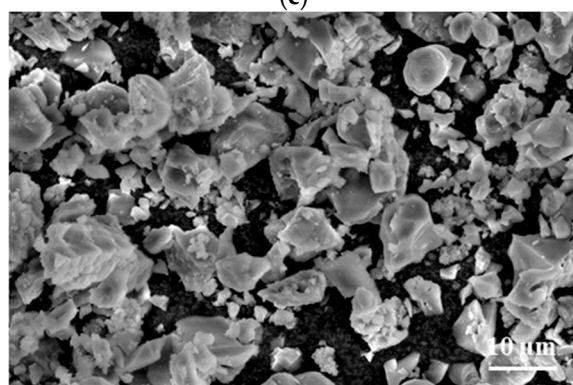
(b)



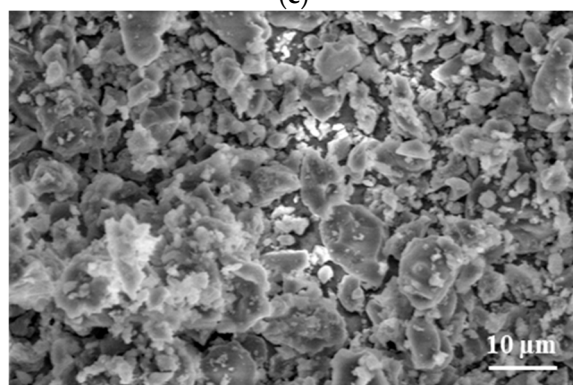
(c)



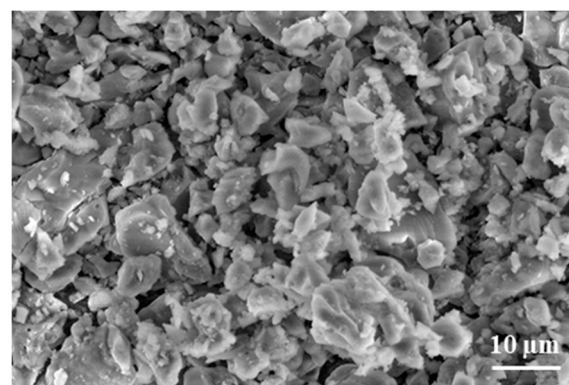
(d)



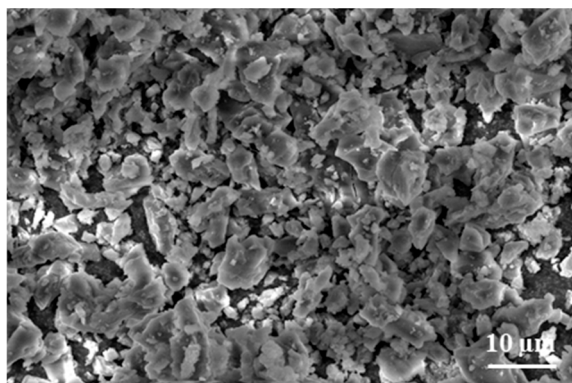
(e)



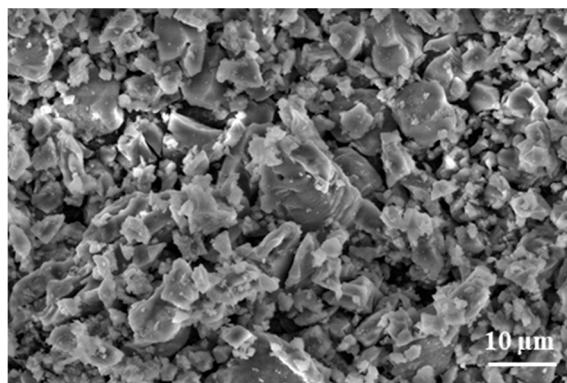
(f)



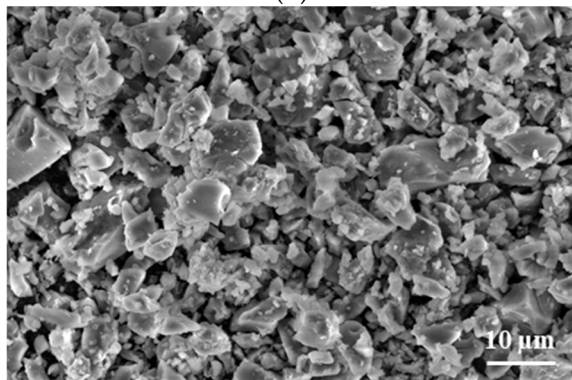
(g)



(h)



(i)



(j)

Figure S2. SEM micrographs of unmodified materials (a) KIT-5/K and (f) KIT-5/E, materials modified with sulfonic groups introduced by grafting: (b) KIT-5/G/SO₃H/0.005, (c) KIT-5/G/SH/0.050, (d) KIT-5/G/SO₃H/0.050, (e) KIT-5/G/SO₃H/0.100 and by co-condensation: (g) KIT-5/C/SO₃H/0.005, (h) KIT-5/C/SH/0.050, (i) KIT-5/C/SO₃H/0.050, (j) KIT-5/C/SO₃H/0.100.