Figure S1 SEM images of the samples after KOH activation.(a), 0 wt.%; (b), 50 wt.%; (c), 66.7 wt.%; (d), 75 wt.%; (e), 80 wt.%; (f), 85.7 wt.%.

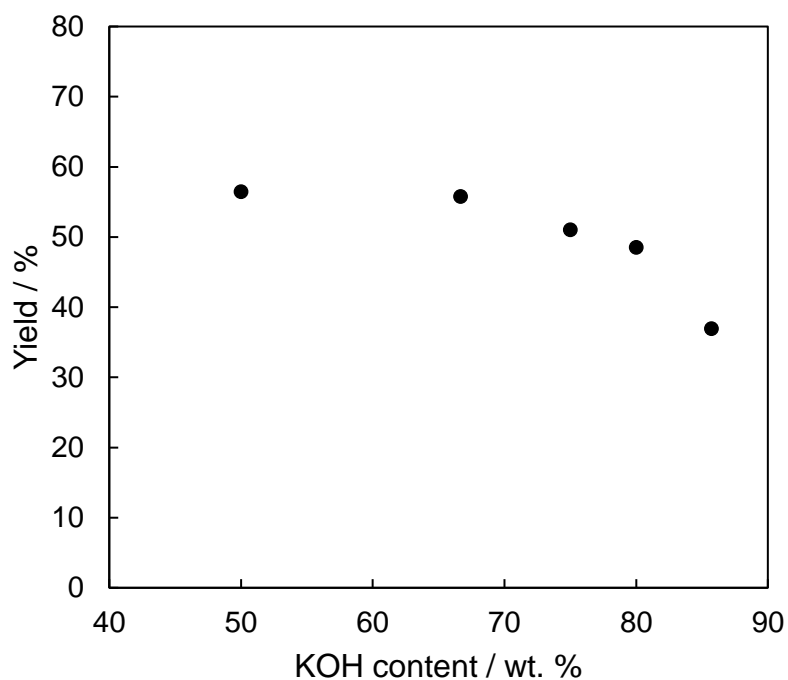Figure S2 The yield, 100*(weight after KOH activation)/ (weight before KOH activation) as a function of KOH content.
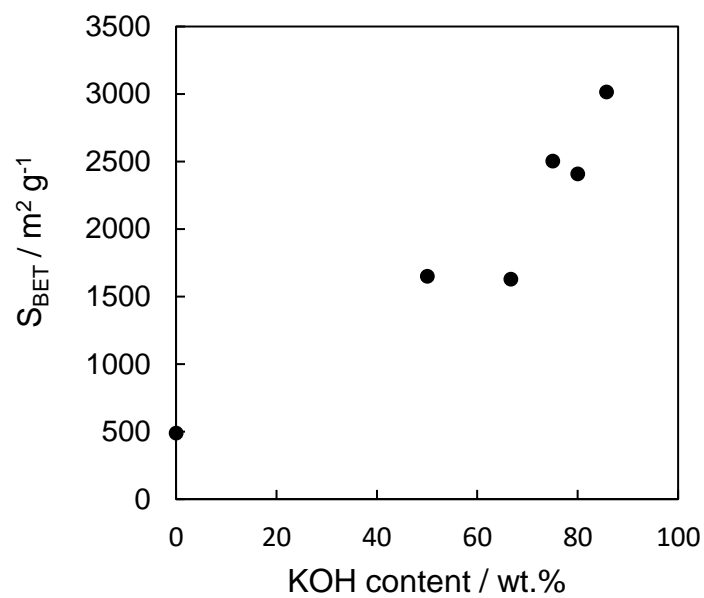
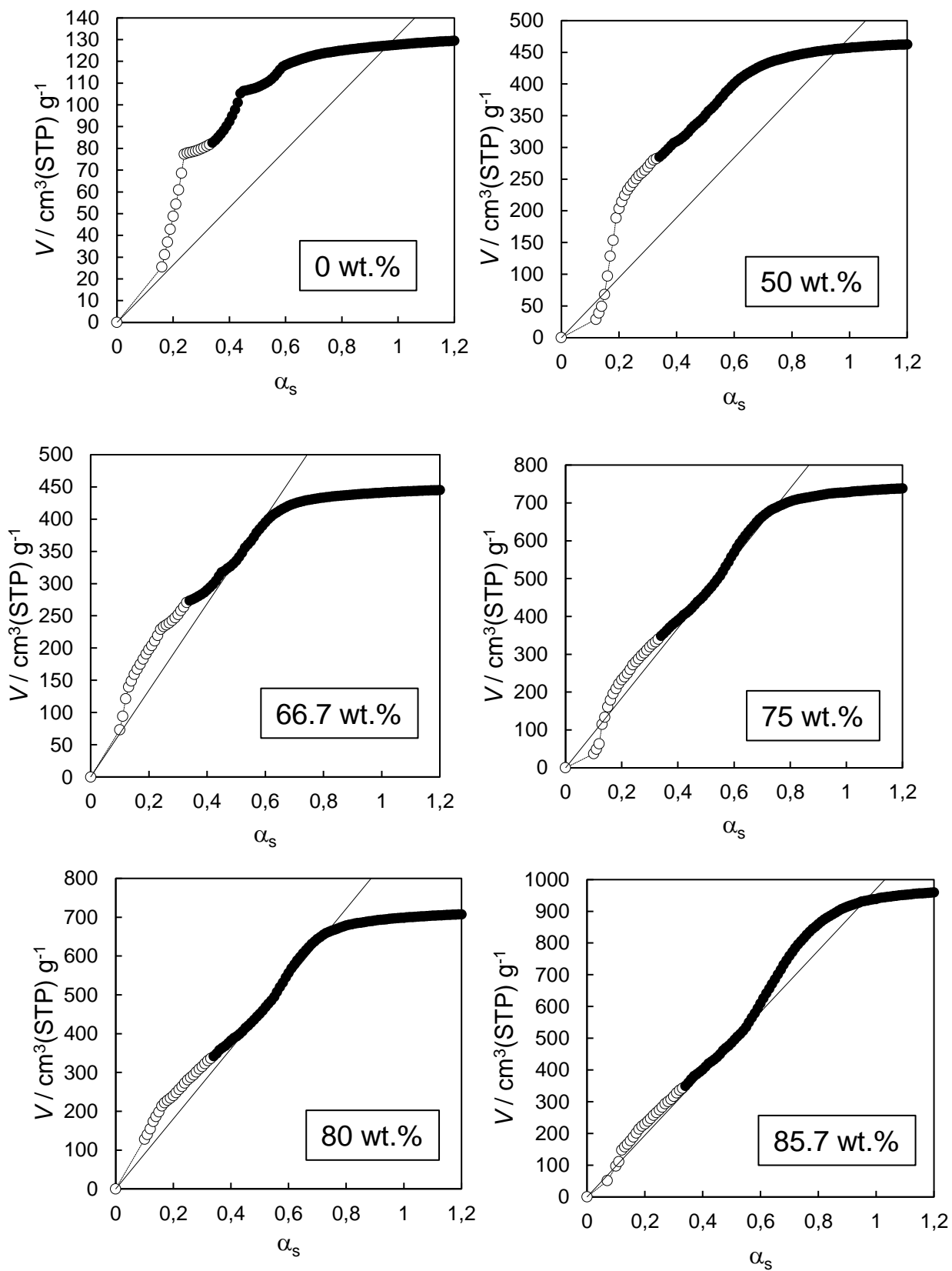Figure S3 The BET specific surface area, S_{BET}, as the function of the added KOH.
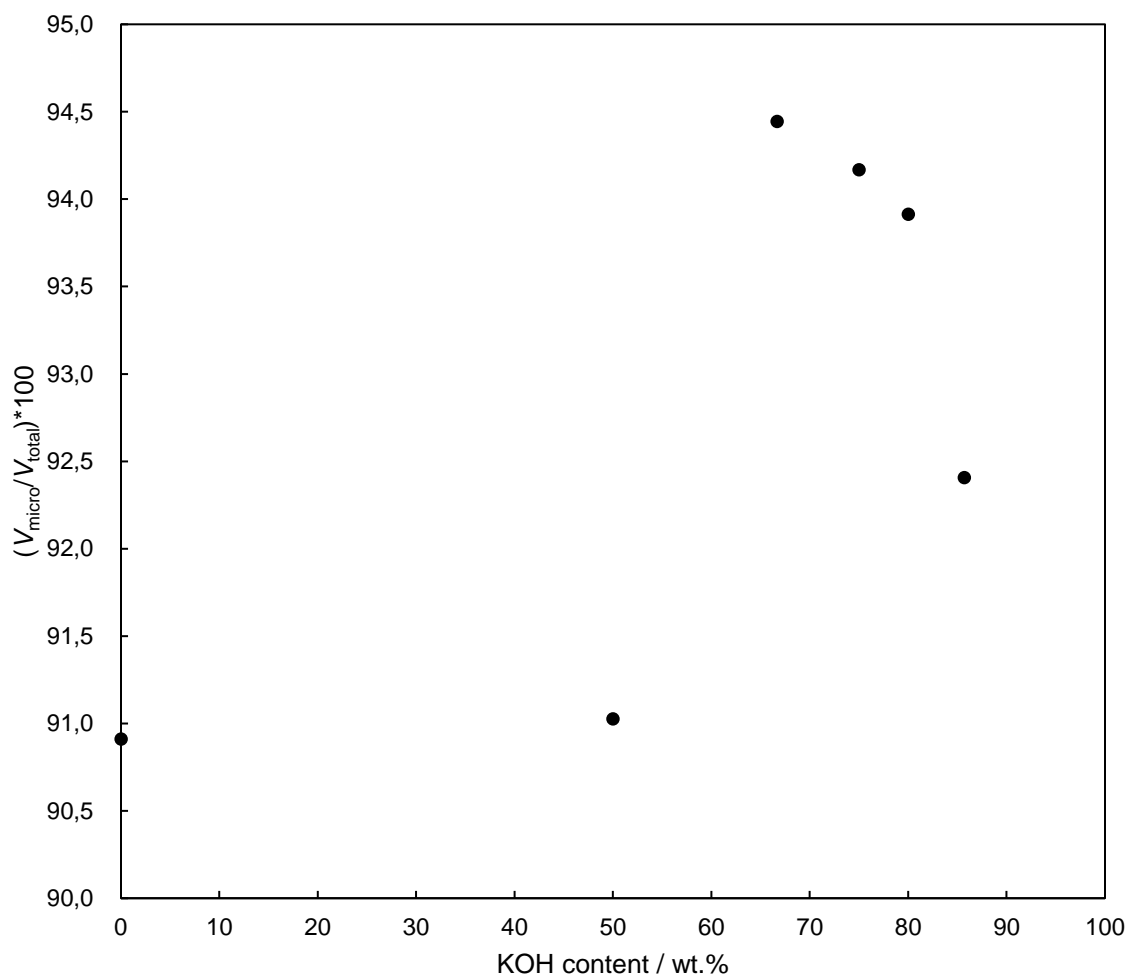
Figure S4 The α_s plots of the samples.

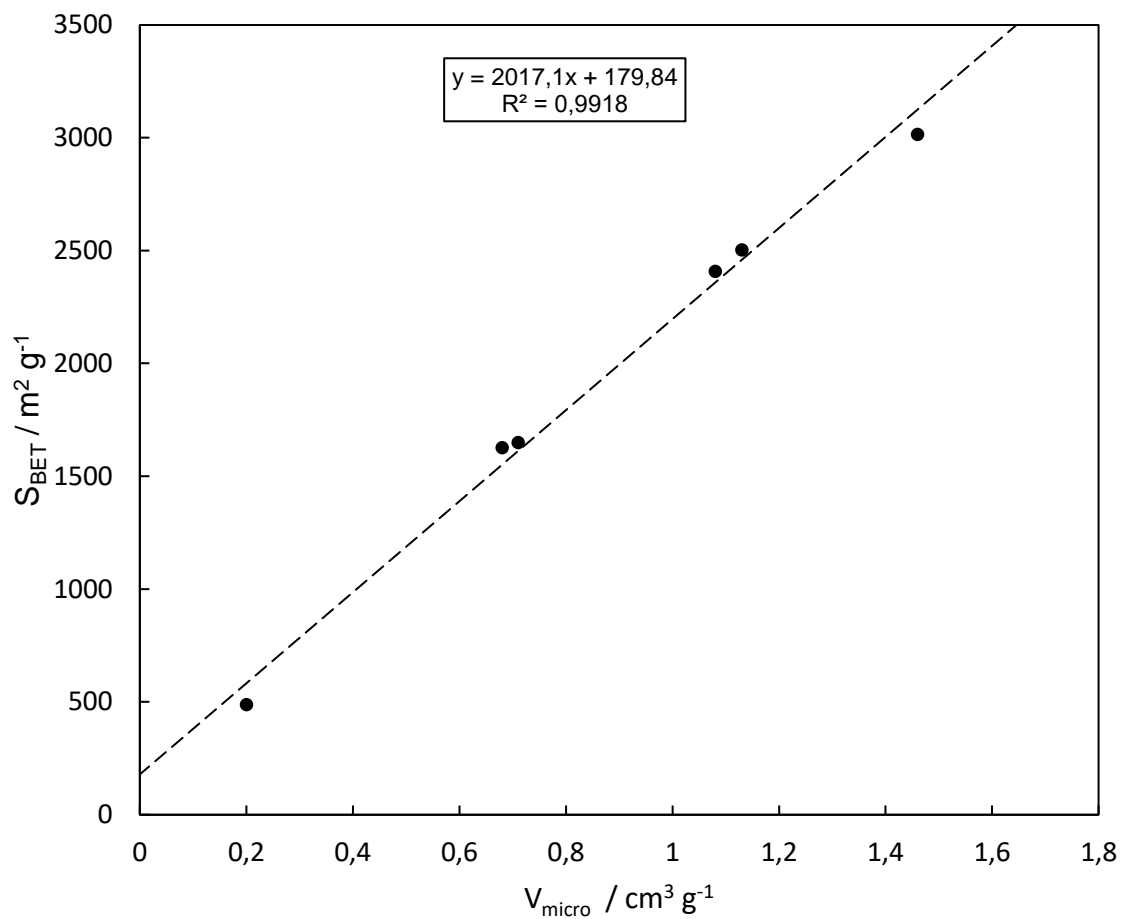Figure S5 The (V_{micro}/V_{total}) values as a function of KOH content.

Figure S6 The relationship between the S_{BET} value and V_{micro} values.
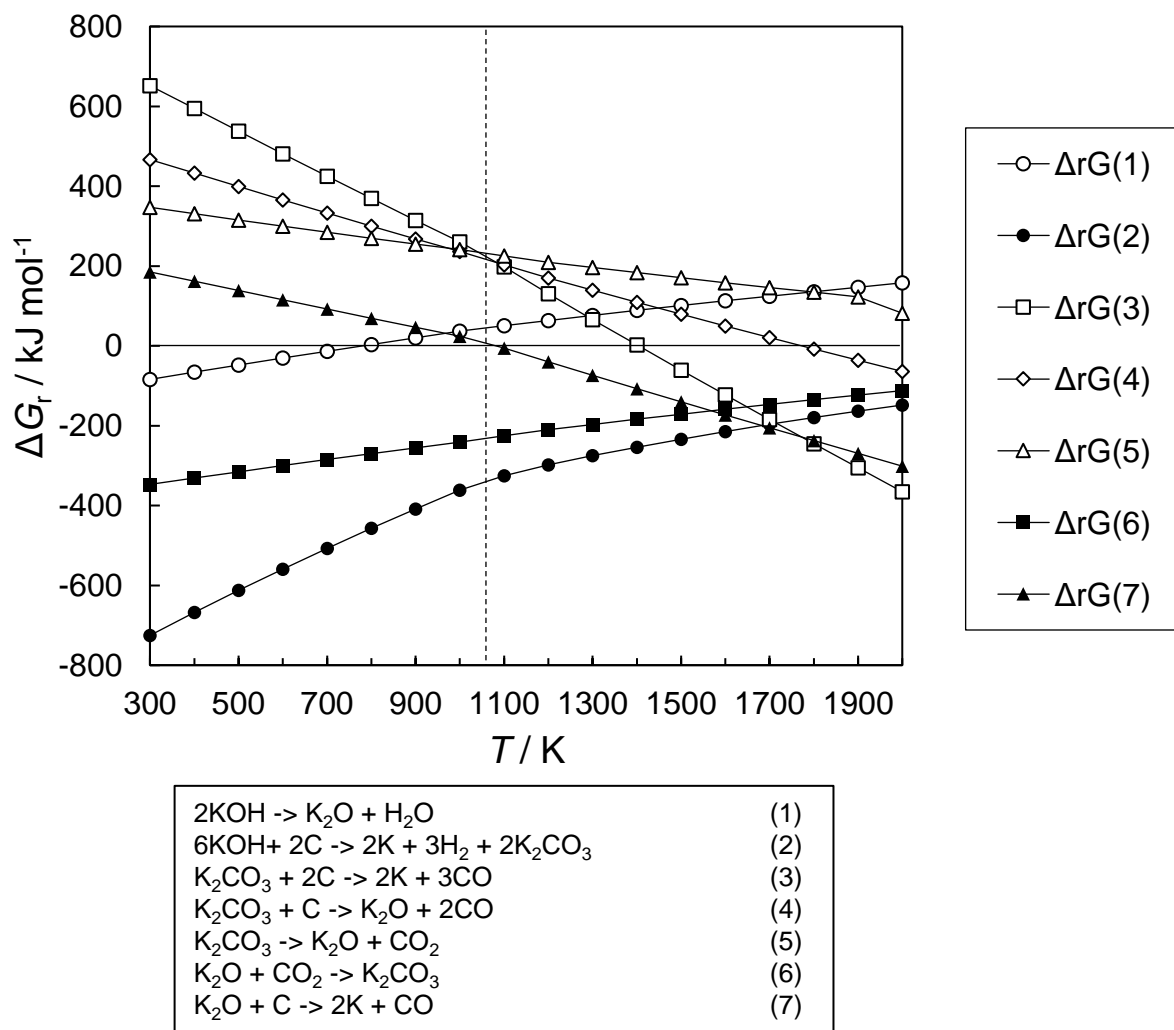
Figure S7 The temperature dependence of the Gibbs energies (ΔG_r) of the chemical reactions.
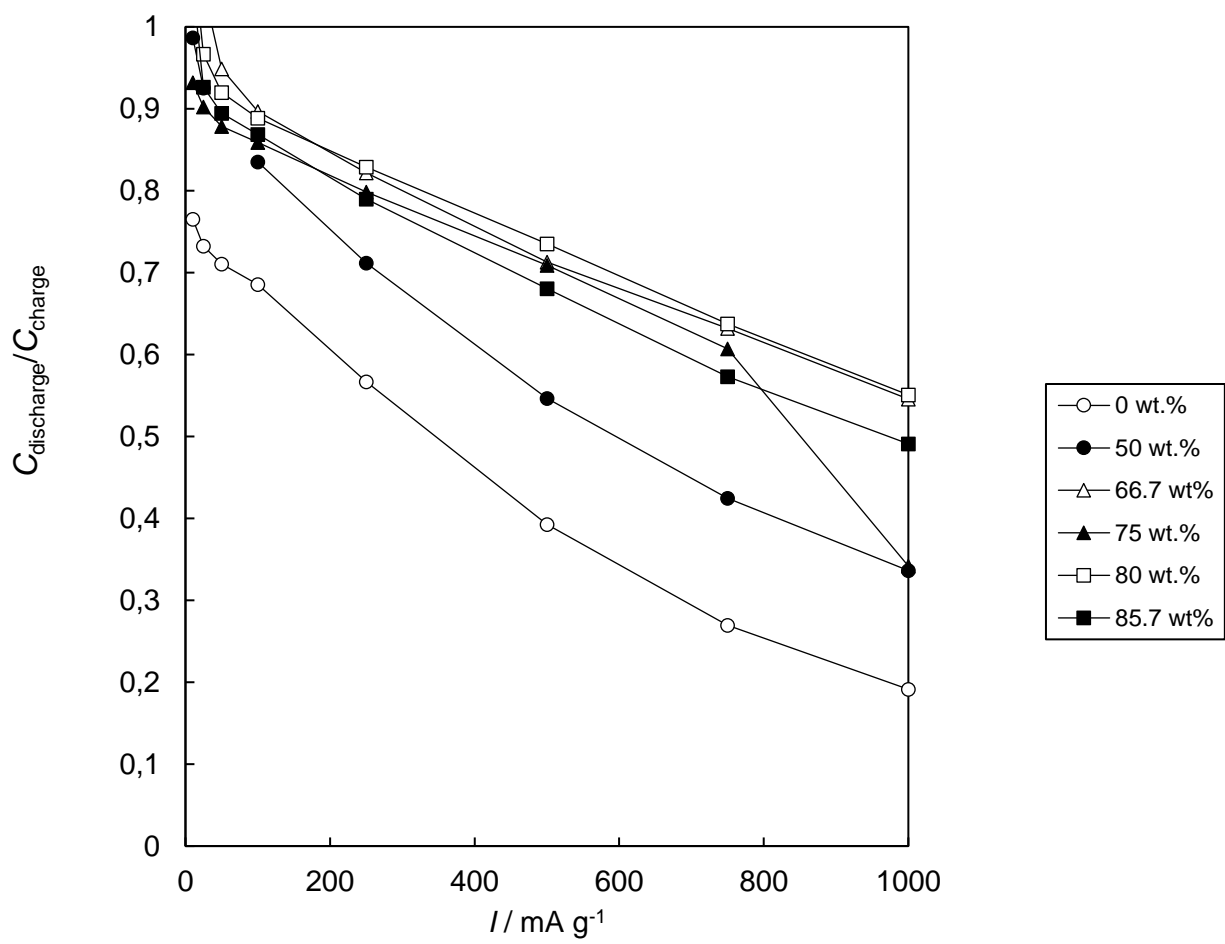
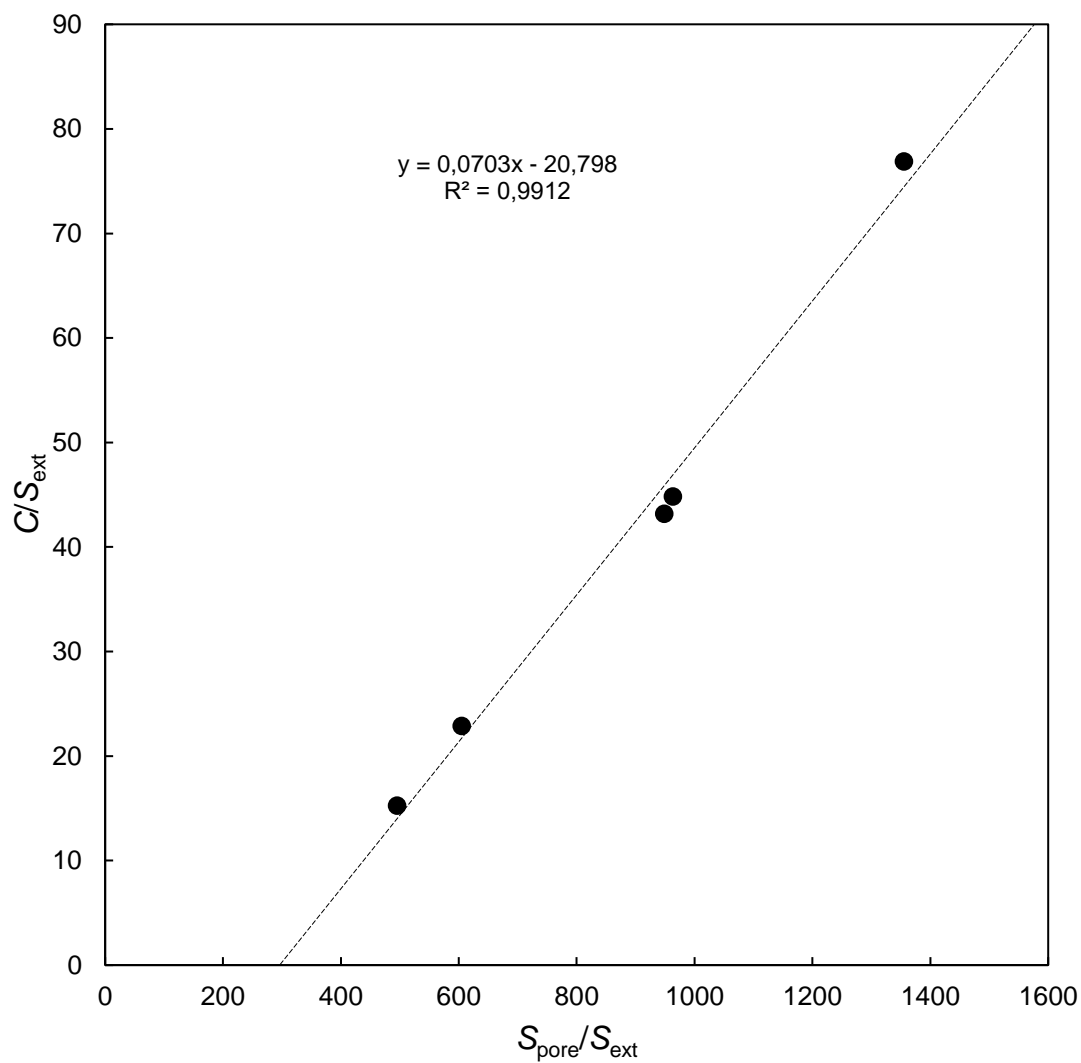Figure S8 The capacitance values calculated from the data of charge-discharge measurements.

Figure S9 The relationship between the (C/S_{ext}) values and the (S_{pore}/S_{ext}) values of discharge process at 500 mA g^{-1} for KOH activated samples.
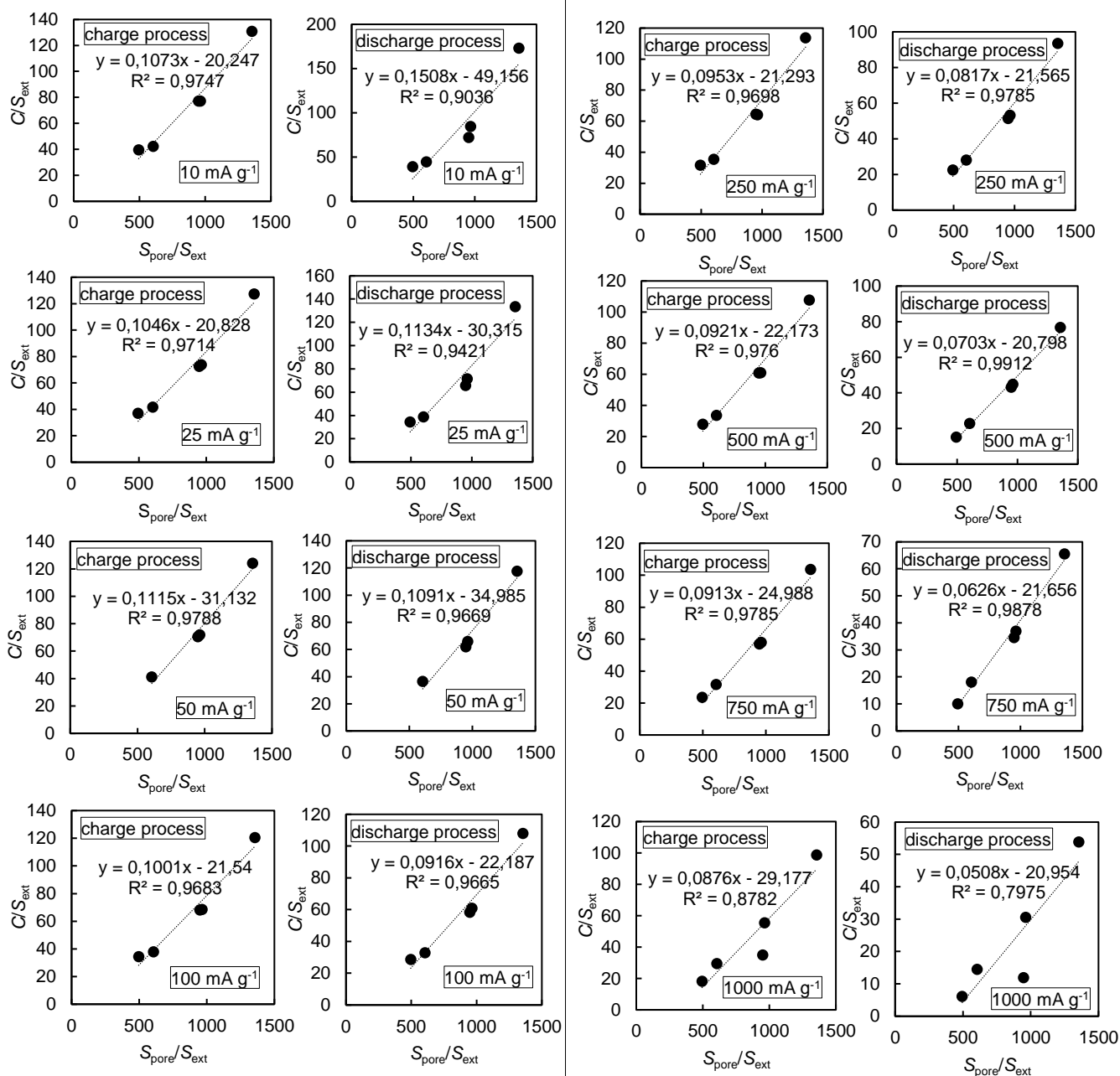
Figure S10 The relationship between the (C/S_{ext}) values and the (S_{pore}/S_{ext}) values of KOH activated samples.
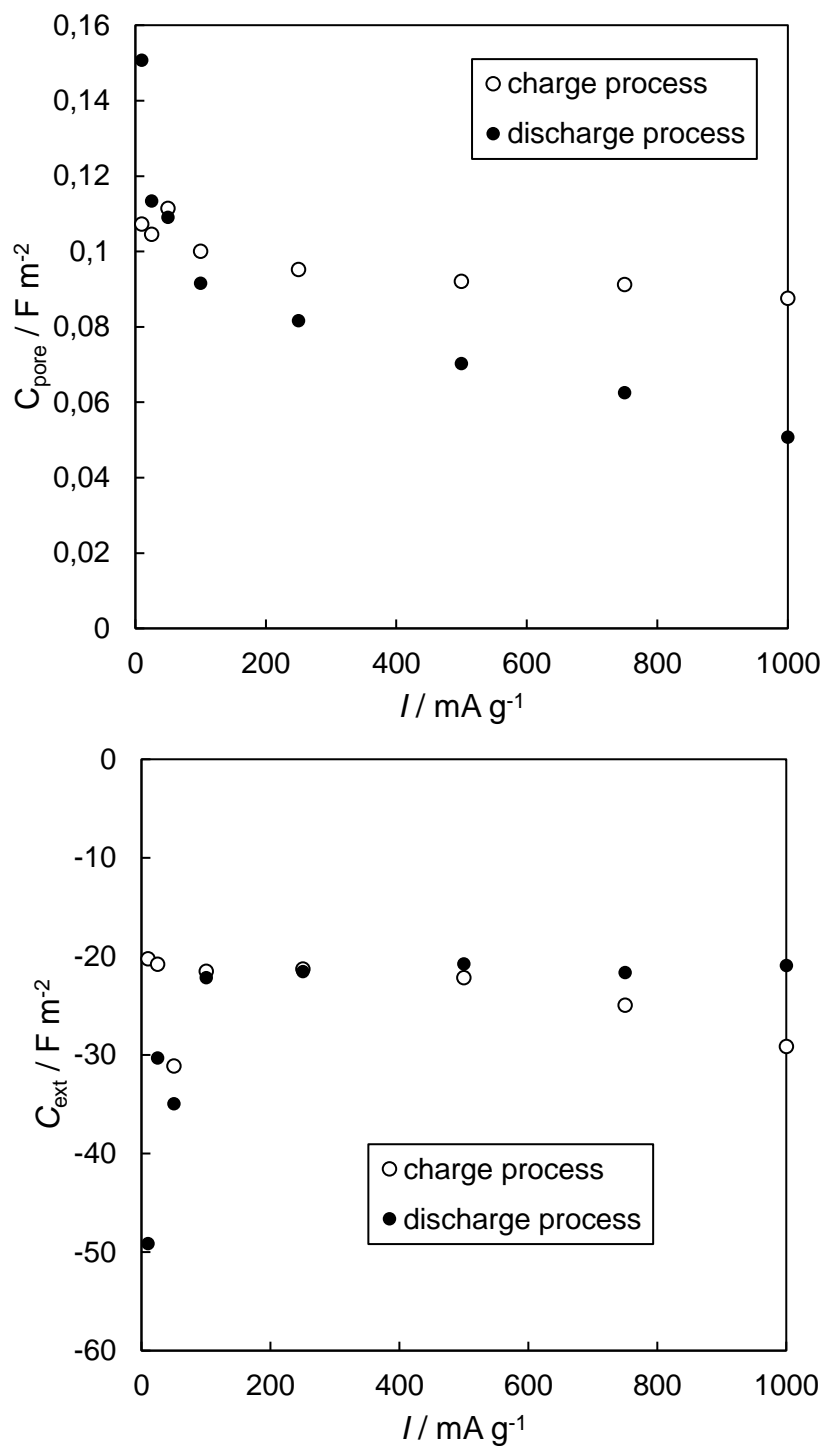
Figure S11 The estimated C_{pore} values and the estimated C_{ext} values as the function of current density.