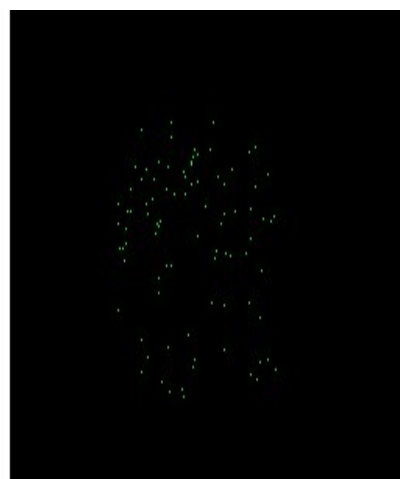
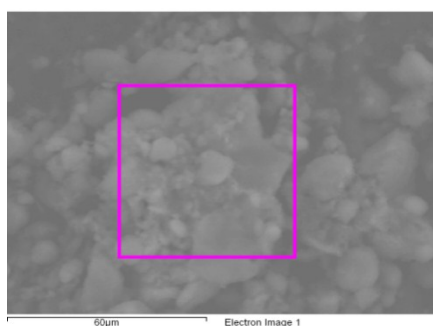


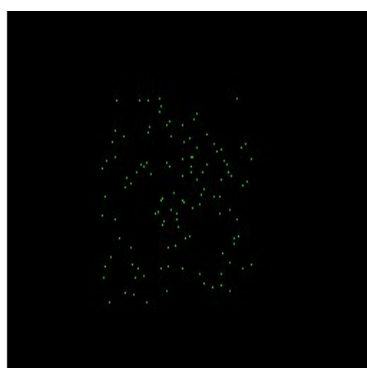
a



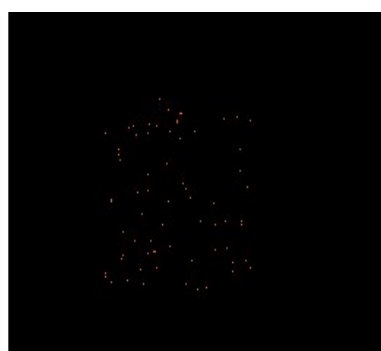
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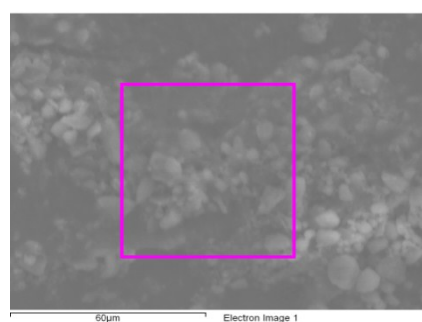
c



d



e



f

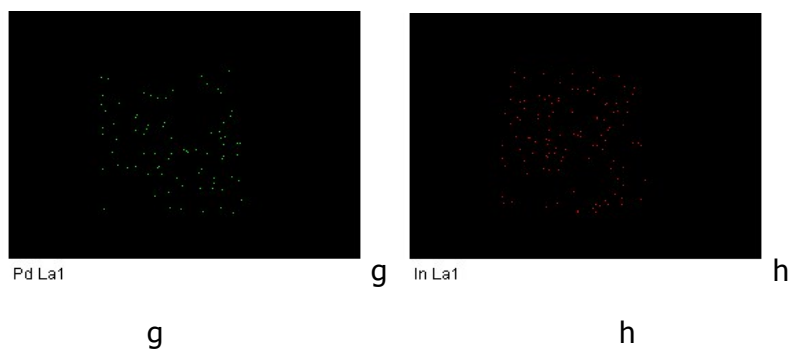


Fig. SEM/EDS images of reduced catalyst 1%Pd , IP-2 and IP-7 (a) 1%Pd , (b) Pd La1 in 1%Pd , (c) IP-2 (In / Pd = 0.1/1) , (d) Pd La1 in IP-2 , (e) In La1 in IP-2 , (f) IP-7 (In / Pd = 3/1) , (g) Pd La1 in IP-7 , (h) In La1 in IP-7 .

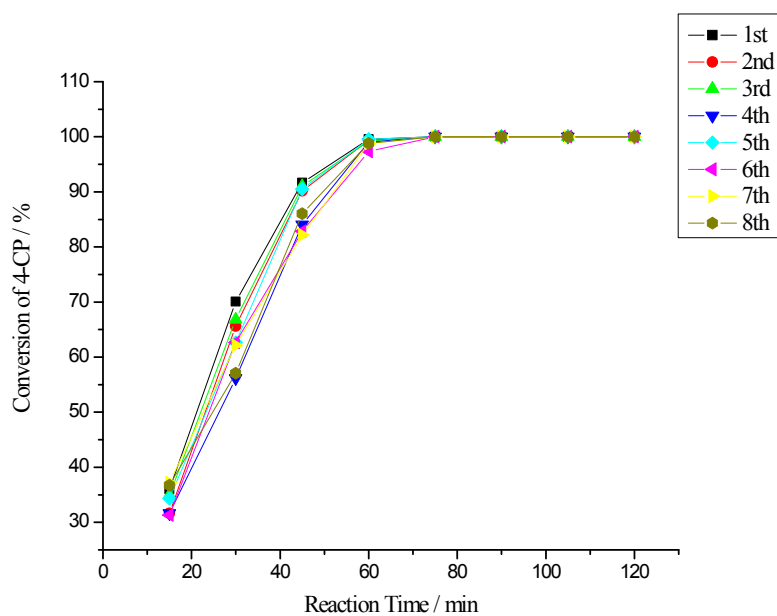


Fig. 9 The influence of reuse times of catalysts on the conversion of 4-CP

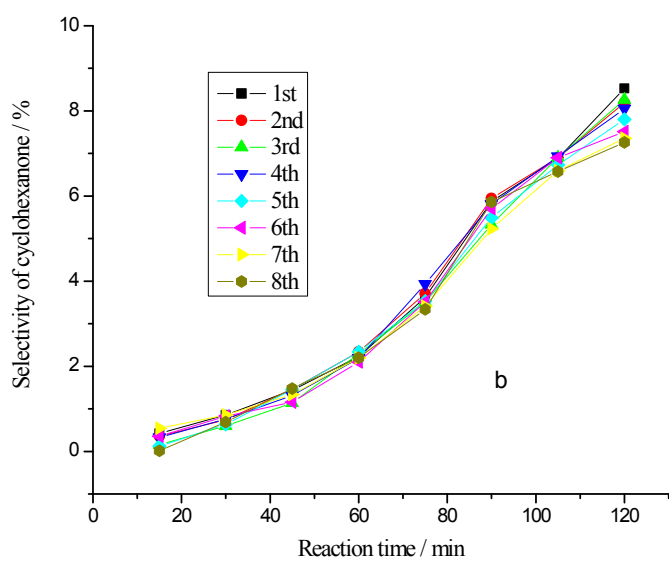
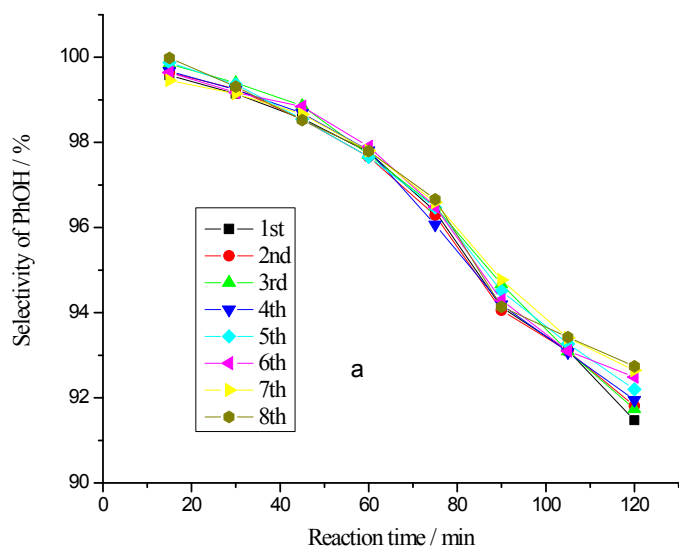


Fig. 10 The influence of reuse times of catalysts on the hydrogenation products