Supplementary Information



Fig. S1 XRD patterns of the washed (Mo,Ni),P-containing resin precursors as well as raw resin for comparison.



Fig. S2 XRD patterns of the carbonization products of the washed (Mo,Ni),P-containing resin precursors after heating in Ar flow at 800 °C.



Fig. S3 Full scan width XPS spectra of MoP and Ni_2P obtained in the study.



Fig. S4 XRD patterns of H₂-MoP and H₂-Ni₂P samples.



Fig. S5 SEM images of (a) H_2 -Ni₂P and (b) H_2 -MoP.



Fig. S6 TEM images of (a) H_2 -Ni₂P and (b) H_2 -MoP.



Fig. S7 Low-temperature MS profiles of carbonization of (a) raw resin, (b) Mo,P-containing resin (Mo:P=1:1) and (c) Ni,P-containing resin (Ni:P=1.5:1).