Figure S1. Linear fit of $p/[n(p_0-p)]$ against p/p_0 plots
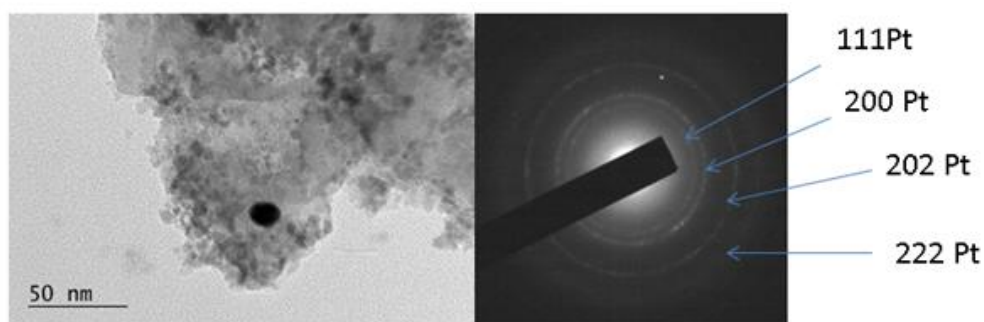

Figure S2. SAED of 10Ni1Pt/Z-h (B) (Phases identified: Pt cubic, a=3.87800, #96-101-1115 and Ni hexagonal, a= 2.62200 A c= 4.32100 A, # 96-901-3008)

Table S1. Chemical composition of the studied samples

Samples	Content of Ni, wt. %	Content of Pt, wt. %	Content of Ru, wt. %
10Ni/Z-h	9.86	-	-
10Ni1Pt/Z-h	9.92	0.98	-
Pt/Z-h	1.02	-	-
5Ru/Z-h	-	-	4.83
5Ru1Pt/Z-h	-	0.92	4.89