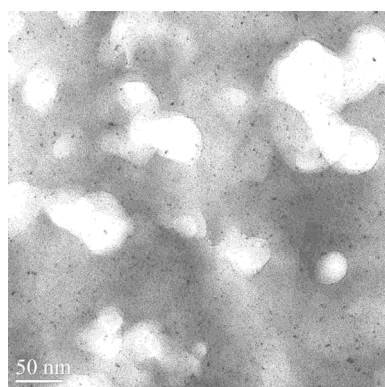


Figure S1. Cellobiose conversion and yield of main products upon repeated use of the catalyst (cellobiose 0.2 g; 3 % Pt/HPS MN270 0.05 g; H₂O 20 mL; 145 °C; O₂ 5 bar, 2 h).

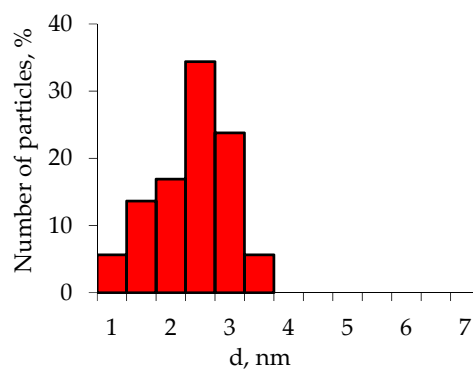
Table S1. The results of the study of the initial sample of the catalyst and the catalyst after four cycles of use.

Sample	BET	Langmuir	t-plot	
	$S_{\text{BET}}, \text{m}^2/\text{g}$	$S_{\text{L}}, \text{m}^2/\text{g}$	$S_{\text{t}}, \text{m}^2/\text{g}$	$V, \text{cm}^3/\text{g}$
3 % Pt/HPS MN270 (initial)	863	944	184 ¹ , 678 ² , 862 ³	0.31
3 % Pt/HPS MN270 (used)	324	345	99 ¹ , 224 ² , 323 ³	0.10

¹ - specific surface area surface of meso and macropores; ² - specific surface area of micropores; ³ - is the total specific surface area; S_{L} - specific surface area (Langmuir model); S_{BET} - specific surface area (BET model); S_{t} - specific surface area (t-plot); V is the volume of micropores.



(a)



(b)

Figure S2. TEM images of used 3 % Pt/HPS MN270 catalyst sample (a) and size distribution diagrams of Pt-containing nanoparticles (b).