Electronic supplementary information for:

Nanoporous PdCr alloys as highly active electrocatalysts for oxygen reduction reaction

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Fig. S1 EDS data of the (a) PdCrAl alloy and (b) the resulted sample (NP–Pd\textsubscript{75}Cr\textsubscript{25}) after dealloying in 0.2 M NaOH solution at room temperature for 48 h.
Fig. S2. SEM and High–resolution EDS elemental maps of NP–Pd$_{75}$Cr$_{25}$ alloy.
**Fig. S3** SEM image of the resulted sample (NP–Pd$_{67}$Cr$_{33}$) after dealloying in 0.2 M NaOH solution at room temperature for 48 h.
Fig. S4 The pore size distribution of NP–Pd\textsubscript{75}Cr\textsubscript{25} alloy.
**Fig. S5** CV curves for NP–Pd$_{75}$Cr$_{25}$ (a), NP–Pd$_{67}$Cr$_{33}$ (b), NP–Pd (c), and Pt/C (d) catalysts before and after 600 and 1,000 potential cycles in 0.1 M HClO$_4$ solution from 0 to 1.4 V vs RHE at room temperature with the scan rate at 50 mV s$^{-1}$. 
**Fig. S6** The TEM image of NP–Pd$_{75}$Cr$_{25}$ alloy after 5,000 potential cycles.