

Supporting Information

Prevention of active-site destruction during the synthesis of high performance non-Pt cathode catalyst for fuel cells

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The N₂ adsorption–desorption isotherms of the Co/N-MPC(650/900) and Co/N-MPC(900/900) at 77 K were measured by an Autosorb-1-C automatic surface area analyzer (Quatachrome Corp.) to determine specific surface area. The samples were degassed to 10⁻⁶ Pa for 2 h at 200 °C before they were tested. Specific surface area and pore size distribution were calculated on the basis of Brunnauer–Emmett–Teller (BET) and Barrett–Joyner–Halenda (BJH) methods, respectively.

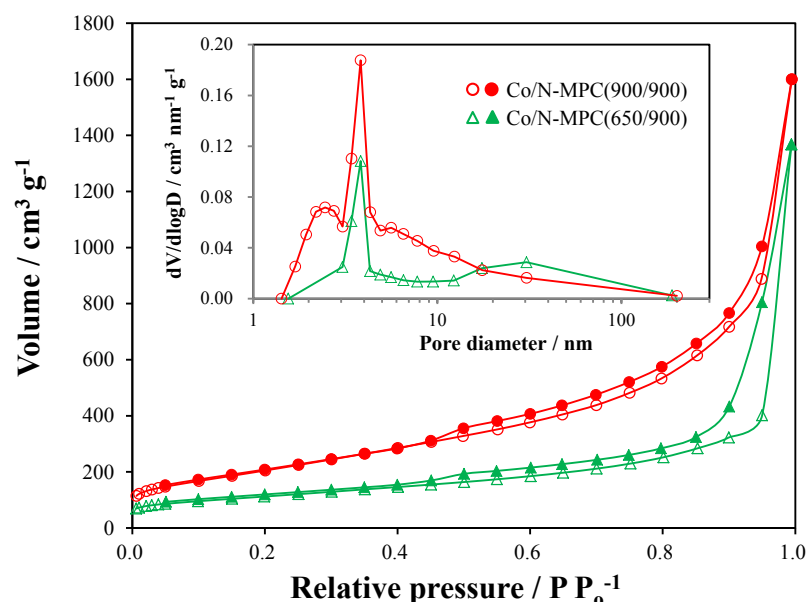


Fig. S1. N₂ absorption-desorption isotherms of the Co/N-MPC(650/900) and Co/N-MPC(900/900). Insert presents their pore size distributions.

Tab. S1. Specific surface area and pore characterization of Co/N-MPC(650/900) and Co/N-MPC(900/900).

	Specific surface area $S_{\text{BET}} / \text{m}^2 \text{g}^{-1}$	Total pore volume $V_{\text{total}} / \text{cm}^3 \text{g}^{-1}$	Average pore diameter $D_{\text{avg}} / \text{nm}$
Co/N-MPC(650/900)	322.8	0.50	21.2
Co/N-MPC(900/900)	561.3	0.99	12.8

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