Single-atomic cobalt fused biomoleculederived nitrogen-doped carbon nanosheets for selective oxidation reaction

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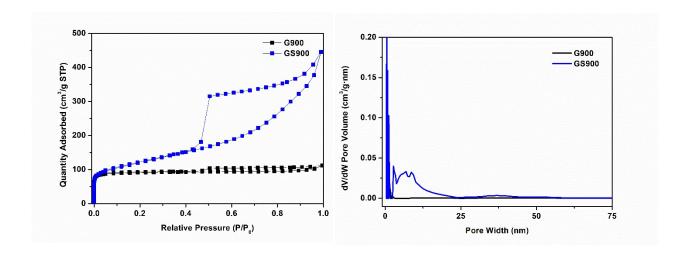


Fig. S1. The N₂ isotherm and pore distribution of carbons G900 and GS900.

sample	$S_{total}(m^2g^{-1})$	Pore volume (cm ³ g ⁻¹)		
		V_{total}	V_{micro}	V_{meco}
G900	278.42	0.15	0.12	0.02
GS900	419.54	0.46	0.07	0.37
otal: total BET spec	ific surface area; V_{total} : to	otal pore volume	; V _{micro} : micropor	e volume;
_{neso} : mesopore vol	ime.			
_			, micro	

and GS900.

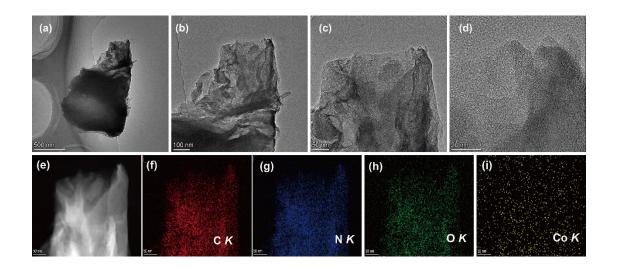


Fig S2 Microstructure and morphology characterizations of Co-G-900 catalysts. **a-d** TEM images **e** HADDF-STEM image **f-i** EDS elemental mapping.

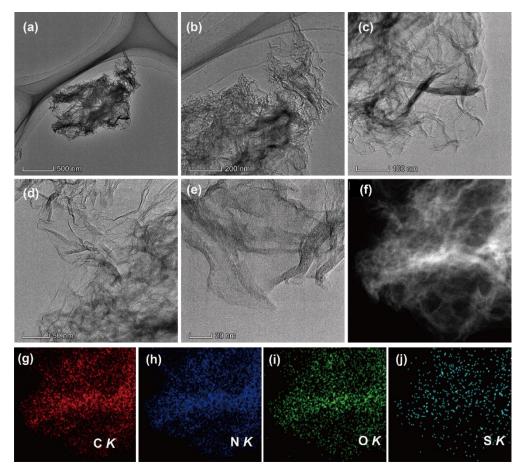


Fig S3 Microstructure and morphology characterizations of GS-900 catalysts. a-e TEM images f HADDF-STEM image g-j EDS elemental mapping.

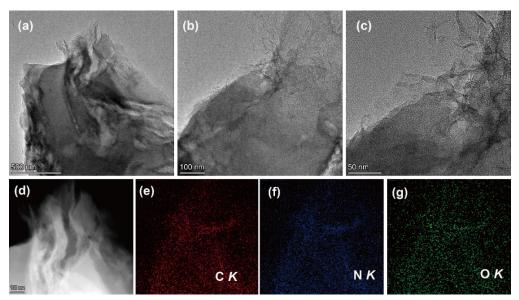


Fig S4 Microstructure and morphology characterizations of G-900 catalysts. a-c TEM images d HADDF-STEM image e-g EDS elemental mapping.

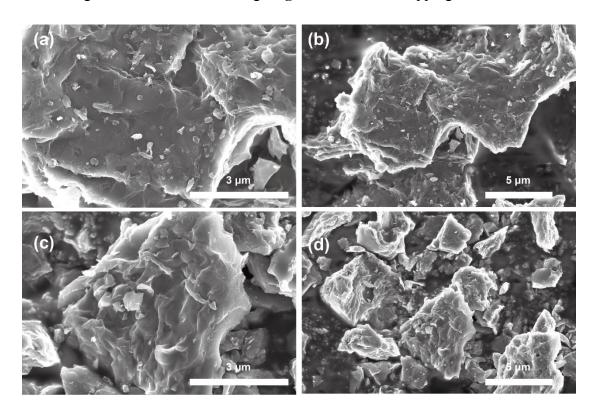


Fig S5 **a-b** The SEM images of Co-G-900 **c-d** The SEM images of G900