

Carbon framework encapsulated CoMn_2O_4 spinel derived from electrospun nanofiber coupling with photothermal approach reinforces PMS activation to eliminate 2,4-dichlorophenol

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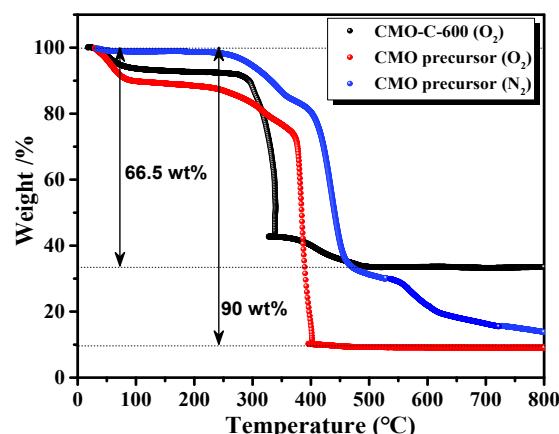


Fig. S1 TG profiles of fiber precursor CMO and catalyst CMO-N-600 under different atmospheres.

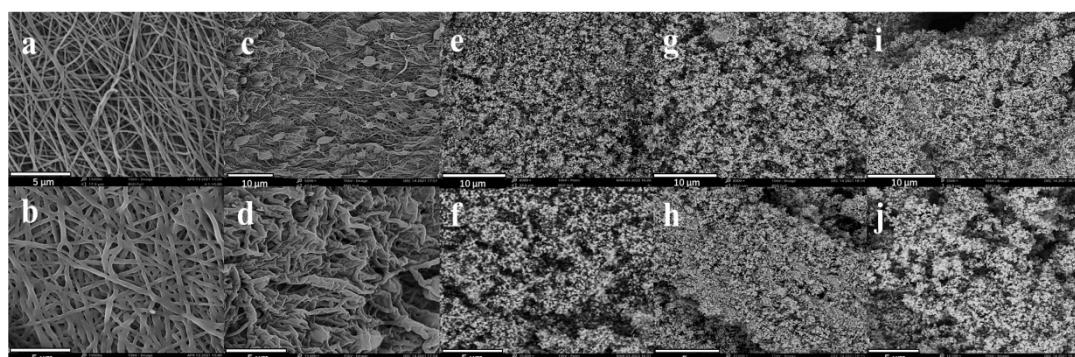


Fig. S2 Representative SEM images of fiber precursor (a, b), CMO-C-500 (c, d), CMO-C-600 (e, f), CMO-C-700 (g, h), and CMO-C-800 (i, j).

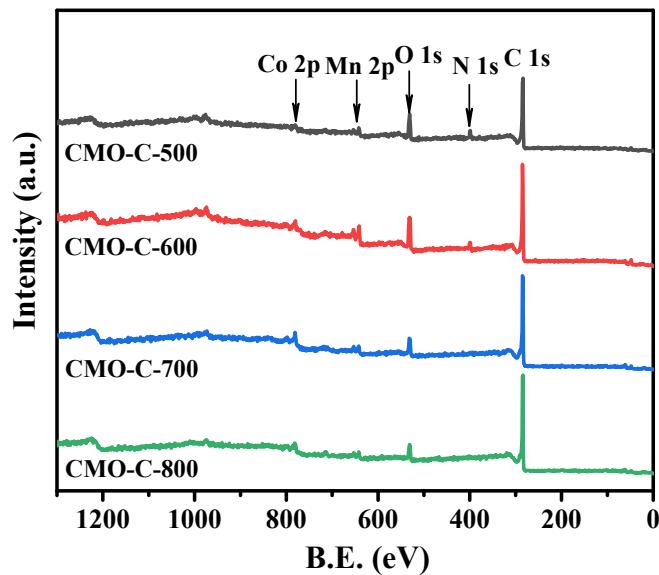


Fig. S3 XPS survey of comparative catalysts of CMO-C-X series .

Table S1. The statistics of active elemental species extracted from ICP and XPS results

Samples	Co/Mn ^a (a.r.)	Co ²⁺ /(Co) (rt.%)	Mn ³⁺ /(Mn) (rt.%)	M-O-C/(O) (rt.%)
CMO-C-500	0.95	43.20	27.18	3.69
CMO-C-600	1.13	58.64	47.55	14.10
CMO-C-700	1.10	49.51	38.55	7.77
CMO-C-800	1.05	47.84	34.39	6.82

^a The overall metal element content contents were obtained from ICP measurement.