

Supporting Information

Reclaiming Carbon Fibres: A Green Catalytic Route to Low-Temperature CFRP Recycling

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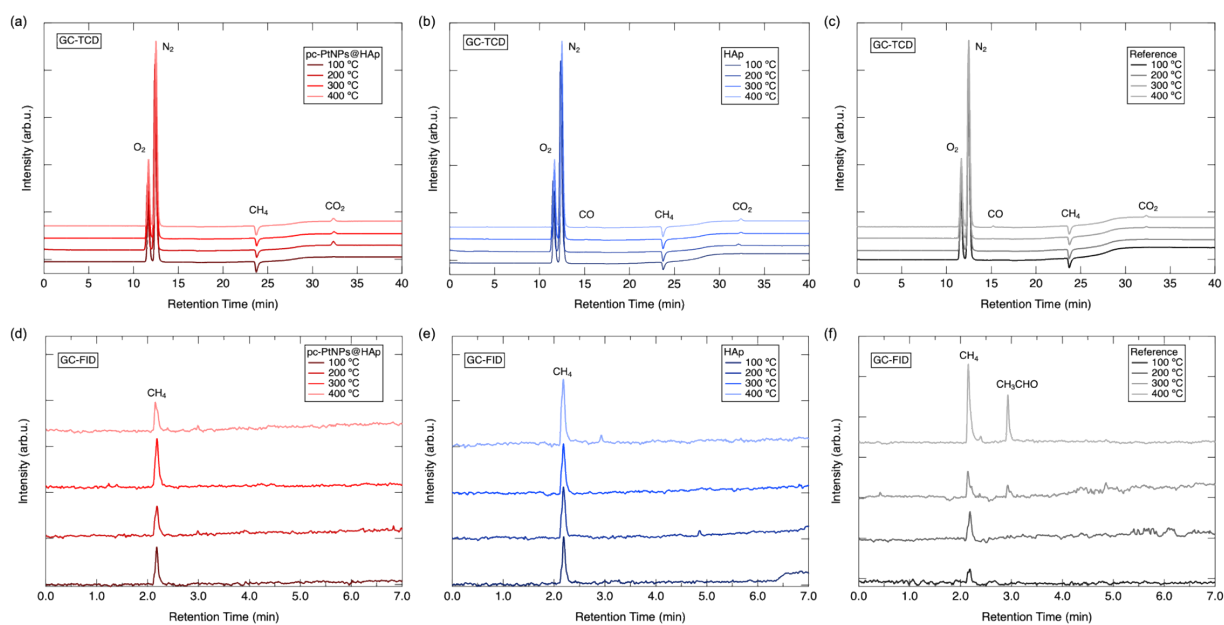


Fig. S1 (a-c) GC-TCD and (e-f) GC-FID analysis results of gas samples collected from the second stage thermal decomposition on altered catalysts under different temperatures.

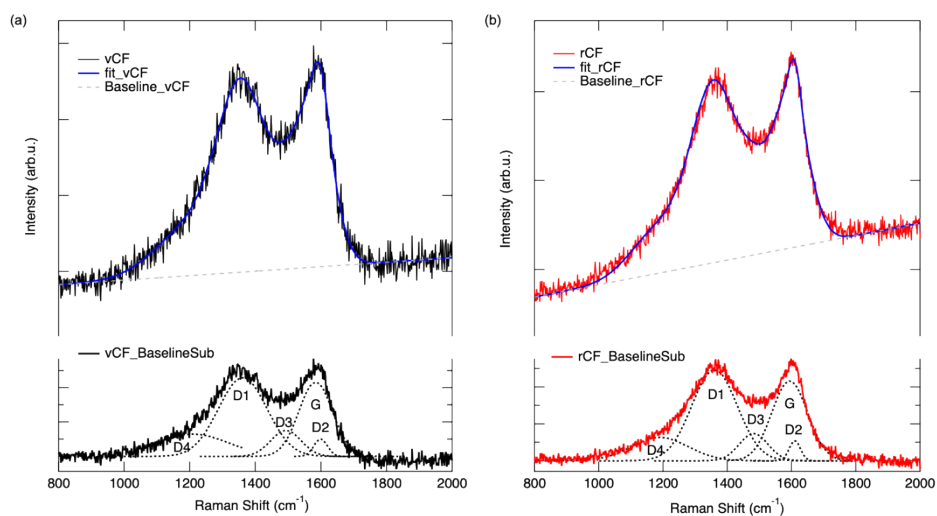


Fig. S2 Raman spectra, detailed peak fitting and deconvolution results of (a) vCF and (b) rCF recycled from pc-PtNPs@HAp carried out catalytic thermal decomposition of polymer matrix in CFRP.

Table. S1 Peak deconvolution results from fitting analysis of Raman spectra.

Raman Peak Info.	G			D1			D2		D3		D4		I_{D1}/I_G
	Area	Int.	FWHM	Area	Int.	FWHM	Area	Int.	Area	Int.	Area	Int.	
vCF	55596	429.09	121.72	84342	454.37	174.38	5258.1	101.24	84342	454.37	36413	131	1.06
rCF	1.2006 e+05	861.27	130.96	1.745 7e+05	980.96	167.18	9472.9	215.05	33040	294.65	55779	251.77	1.14