

Supplementary Material (ESI) for Journal of Materials Chemistry A

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Supporting information

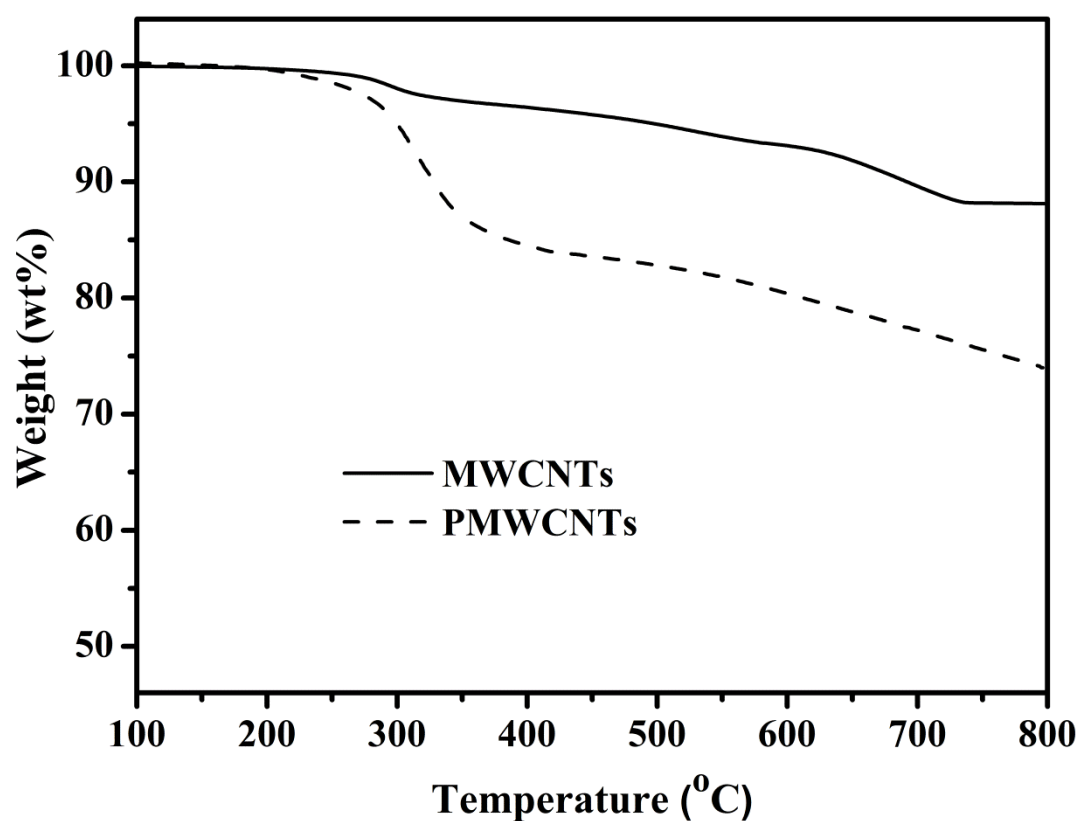


Fig. S1 TG curves of MWCNTs and PMWCNTs

Table S1 EDS results of aMWCNTs and PMWCNTs

Sample	Content of element (wt%)		
	C	O	P
aMWCNTs	95.46	4.54	0
PMWCNTs	91.32	7.17	1.51

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Table S2 Characteristic data from TG analyses in an air atmosphere

Sample	Heating rate (°C/min)	T _{di} (°C)	T _{max} (°C)		Y _c at 800 °C (wt%)	
			T _{max1}	T _{max2}	Theoretical value	Experimental value
CE	10	414.2	433.7	617.9	0.0	0.0
	20	416.5	453.1	652.3	0.6	0.6
	30	419.9	464.3	674.1	1.7	1.7
	40	421.0	472.3	701.2	0.7	0.7
1.5DOPO/CE	10	356.2	431.2	619.0	0.0	0.1
	20	362.2	448.6	655.9	0.6	0.3
	30	369.6	462.3	671.3	1.7	0.1
	40	372.0	472.1	675.3	0.7	0
1.5MWCNT/CE	10	410.1	432.3	621.1	0.4	0.3
	20	416.2	454.1	655.6	1.4	1.5
	30	418.6	466.3	669.1	2.8	2.7
	40	423.5	472.8	743.2	2.0	1.9
1.5PMWCNT/CE	10	418.3	434.9	625.1	0.3	4.8
	20	429.8	450.6	667.2	1.2	8.2
	30	441.3	462.1	691.1	2.6	8.3
	40	442.2	468.1	718.7	2.0	8.6
2.5PMWCNT/CE	10	420.1	431.6	643.1	0.5	9.2
	20	423.8	444.6	691.2	1.5	9.3
	30	431.1	456.8	717.1	3.1	9.2
	40	438.5	464.1	740.3	2.7	10.1