Supporting Information (SI)

Facile synthesis of 2D multilayer core-shell MnO$_2$@LDH@MMT composites with nanoflower shape for electromagnetic wave absorption

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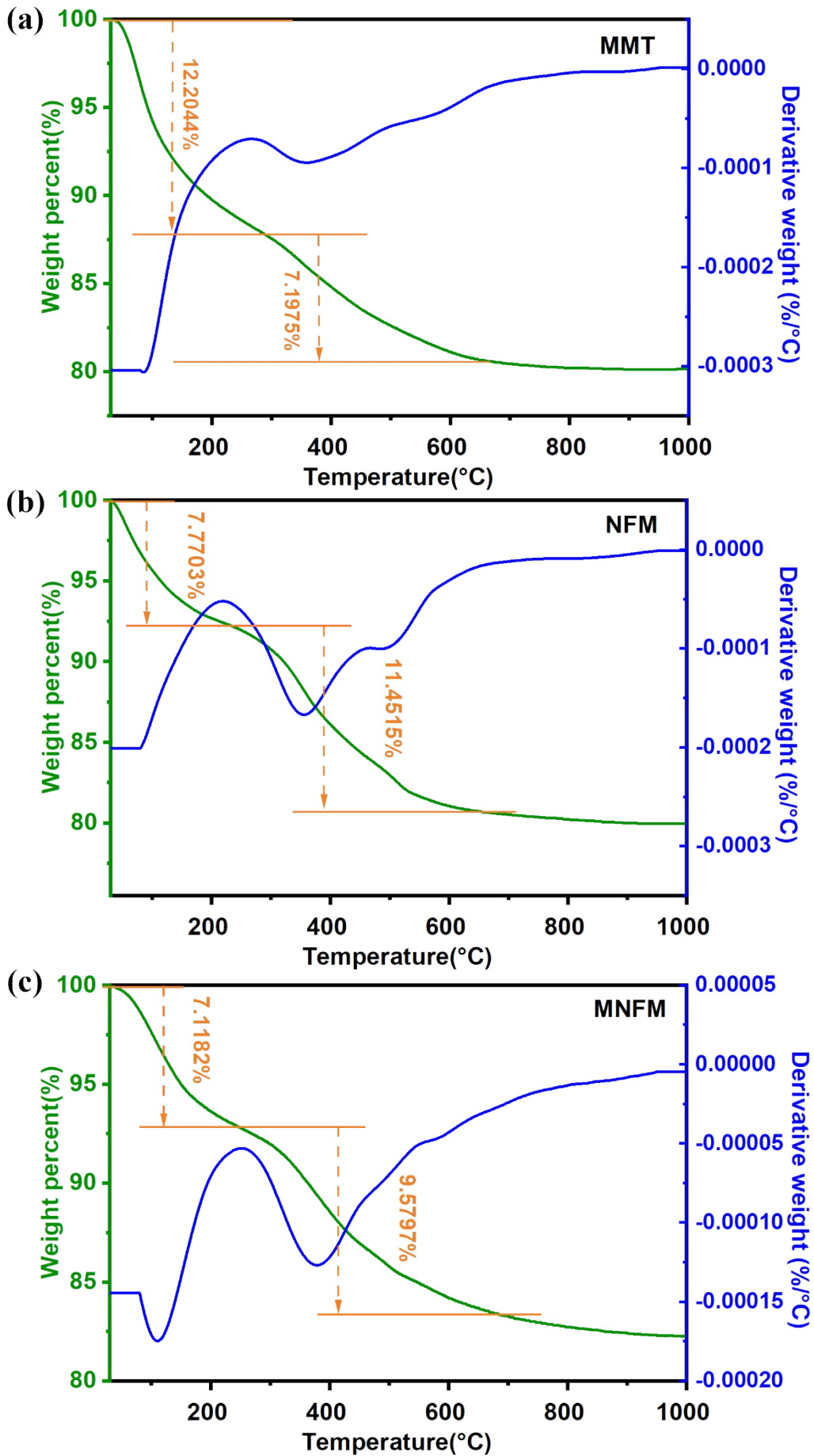[1]These authors contributed equally: Quan Zhou, Xingjian Dai
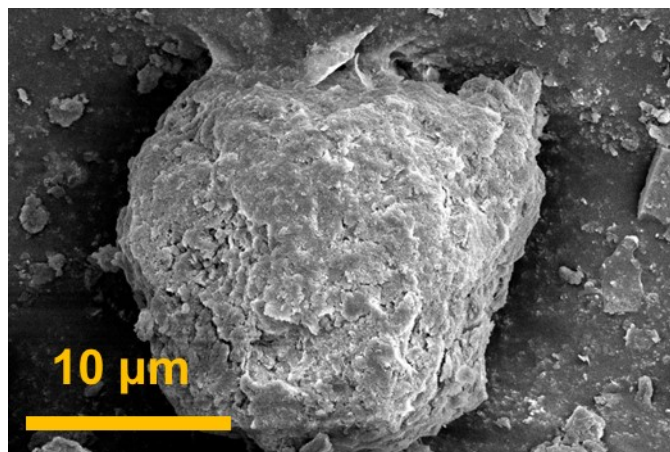
Fig. S1. TGA-DTG curves of (a) MMT, (b) NFM, (c)MNFM.
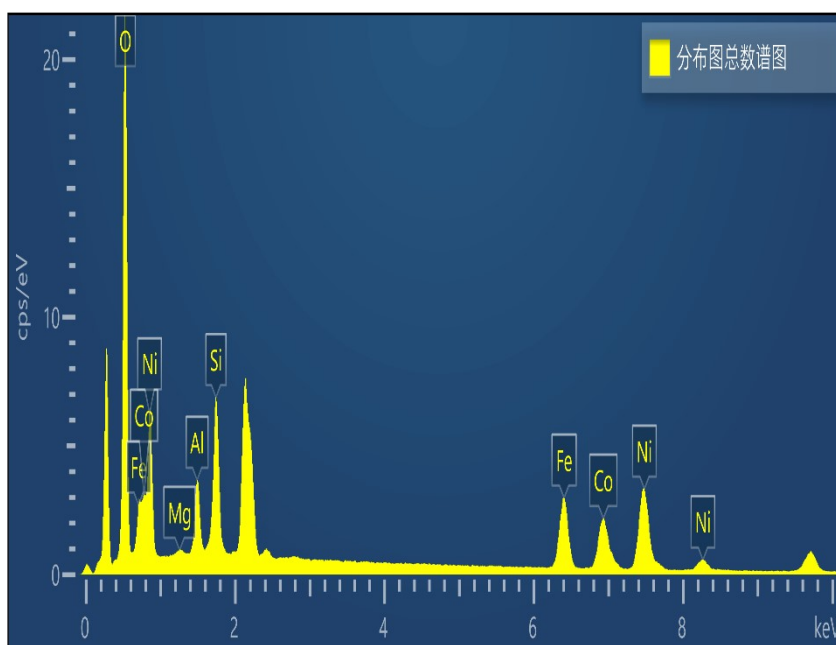
Fig. S2. SEM images of the MMT
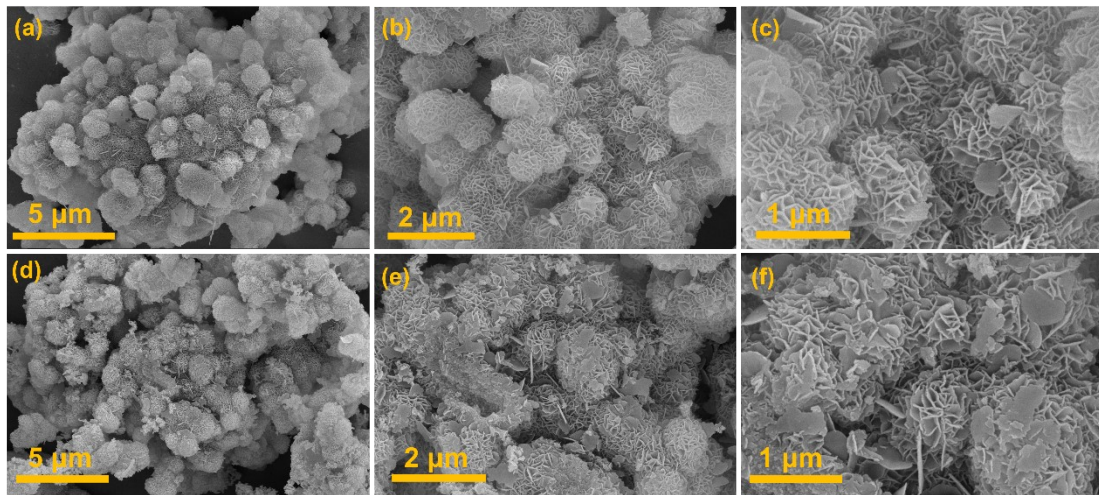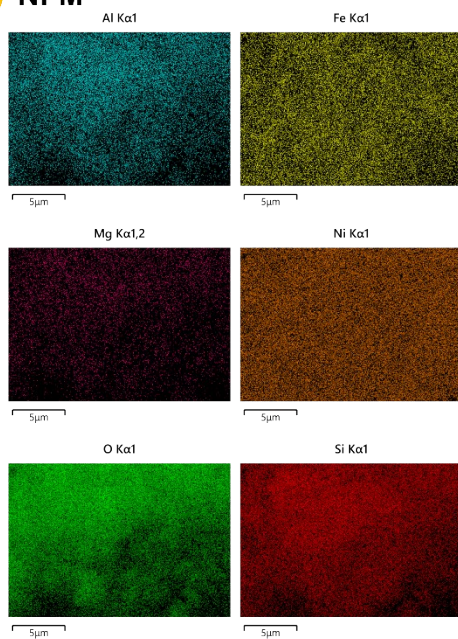

Fig. S3. Elemental distribution of NFM.

Sum Spectrum

EDS Spectrum: map202203261842514910.spc

0 Cnts   0.000 keV   探测器: Octane Super A 锁定面/线分布元素
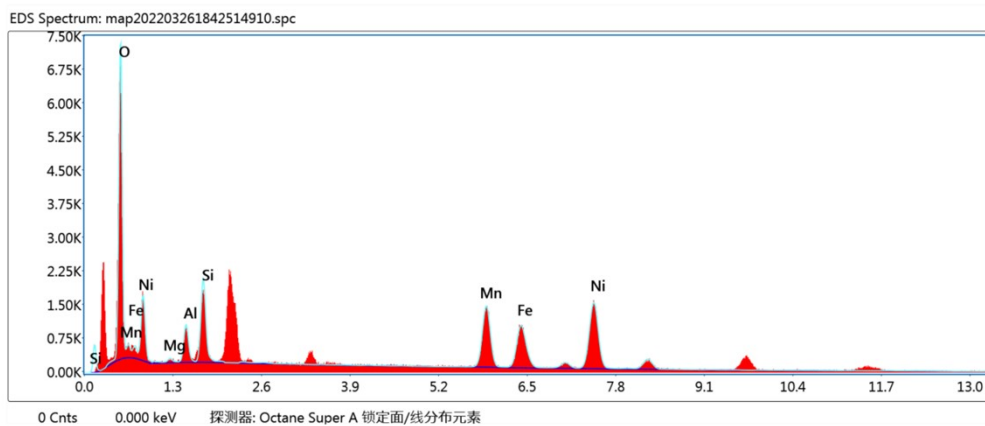
智能定量结果

元素	重量百分比	原子百分比	净强度	错误%	Kratio	Z	A	F
O K	28.68	54.75	483.24	6.80	0.1544	1.1543	0.4665	1.0000
MgK	0.57	0.72	7.46	27.80	0.0017	1.0727	0.2804	1.0010
AlK	4.16	4.71	75.40	9.27	0.0173	1.0342	0.4027	1.0017
SiK	7.54	8.20	175.19	7.18	0.0409	1.0580	0.5120	1.0023
MnK	16.42	9.13	214.92	3.14	0.1553	0.8852	0.9986	1.0696
FeK	12.14	6.64	142.63	3.82	0.1166	0.8998	0.9997	1.0672
NiK	30.49	15.86	259.23	2.98	0.2726	0.9099	0.9734	1.0095

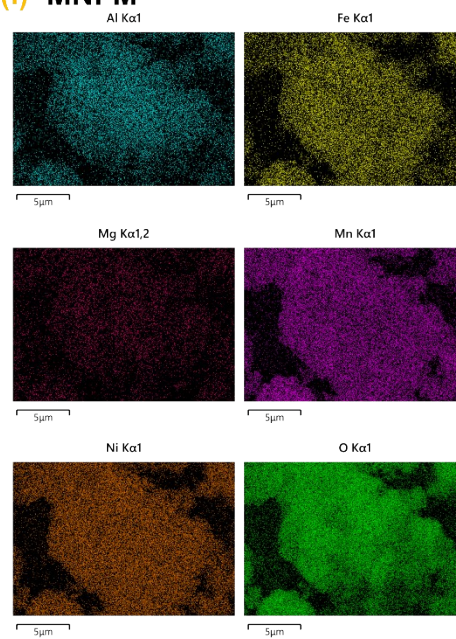**Fig. S4.** Elemental distribution of MNFM.

Fig. S5. SEM diagram after calcination at 250 °C, (a-c) NFM, (d-f) MNFM; (h) the EDS Mapping of NFM, (i) the EDS Mapping of MNFM.