

Table S1 Primers used for qRT-PCR.

Gene	Forward primer sequence(5'-3')	Reverse primer sequence(5'-3')
ALP	AACGTGGCCAAGAACATCATCA	TGTCCATCTCCAGCCGTGTC
BMP-2	CAACACCGTGCTCAGCTTCC	TTCCCACTCATTTCTGAAAGTTCC
OCN	GGTGCAGACCTAGCAGACACCA	AGGTAGCGCCGGAGTCTATTCA
RUNX2	CCATAACGGTCTTCACAAATCCT	TCTGTCTGTGCCTTCTTGGTTC
GAPDH	GGCACAGTCAAGGCTGAGAATG	ATGGTGGTGAAGACGCCAGTA

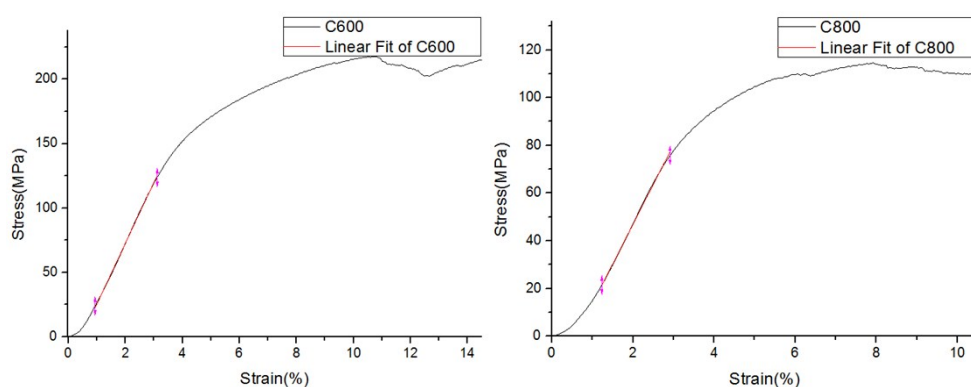


Fig. S1 Stress-strain curve of C600 and C800.

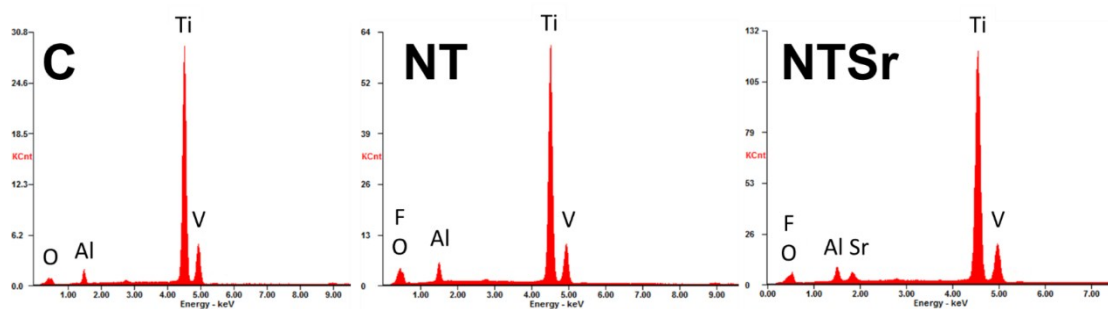


Fig. S2 Surface element contents of C, NT and NTSr evaluated by EDS gathered under FE-SEM at a magnification of 1000x.