Supplementary materials

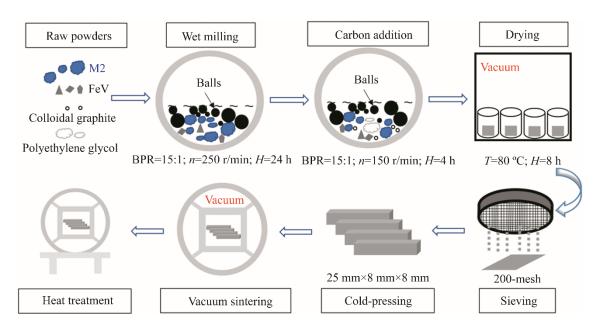


Figure S1 The graphical presentation of technical process of the experiment

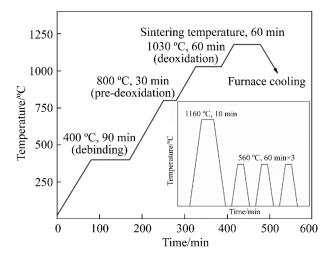


Figure S2 Sintering and heat treatment cycles of the green compacts

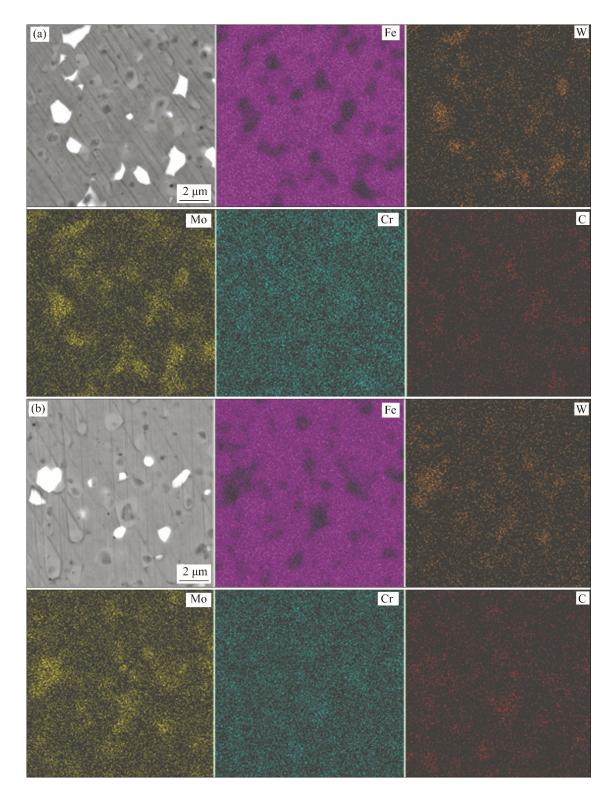


Figure S3 EDS maps showing other elements distribution in samples (a) sintered at 1180°C and (b) heat treated

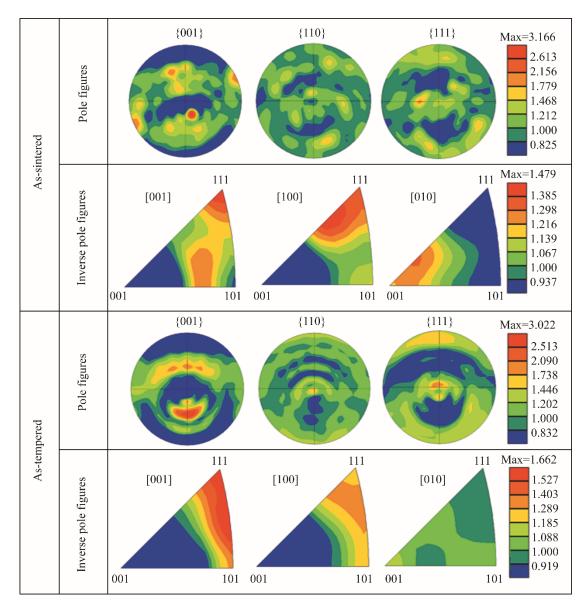


Figure S4 Pole Figures (PFs) and Inverse Pole Figures (IPFs) of the matrix in samples sintered at 1180°C and heat treated

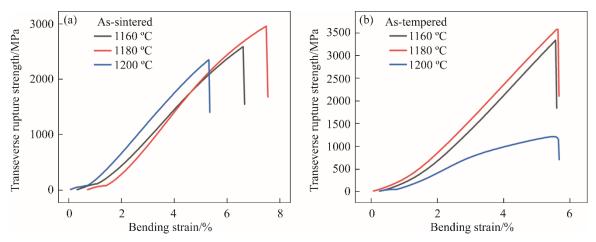


Figure S5 Fracture strength strain-stress curves of (a) as-sintered and (b) as-tempered samples

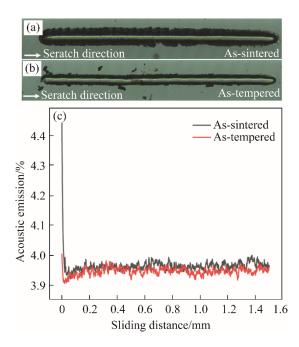


Figure S6 The scratch morphologies (a, b) and the acoustic emission variations (c) of samples sintered at 1180°C and heat treated