

Supplementary materials

Figures

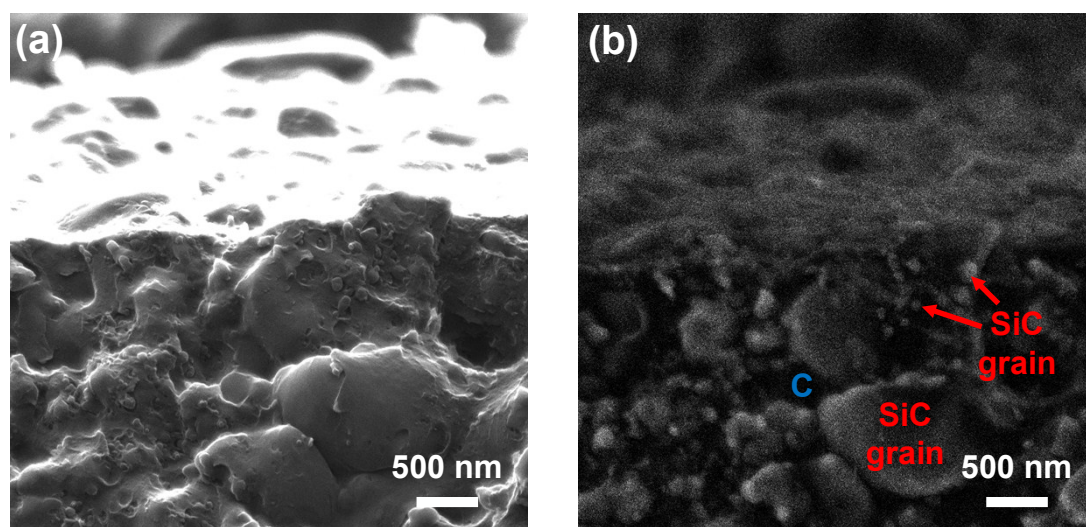


Fig.1 (a) SE and (b) RBE images of C-rich SiC under HIM.

Videos

Video 1 Microstructural evolutions of micron-/nano-SiC grains and excess carbon under in-situ HIM.

Video 2 Helium cavities evolution at carbon interphase between SiC bi-grains under in-situ HIM.