## **Supporting Information**

Fiber, monolithic fiber and twisted fiber structures:

Efficient microwave absorption via surface-modified carbon nanotube buckypaper/silicon carbide-based self-sealing layered composites

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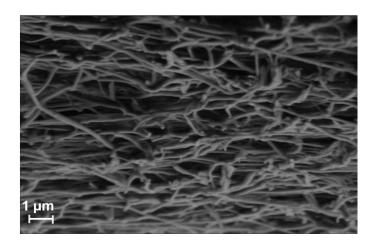
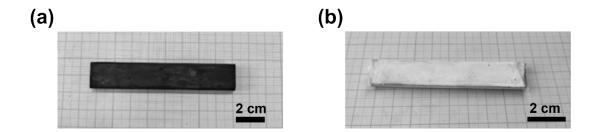


Fig. S1. SEM image of the PCS nanofiber film.



**Fig. S2.** Macroscopic images of CSSL substrates: **a** before and **b** after PCS nanofiber films cladding.

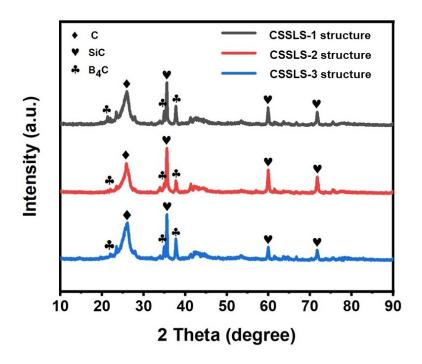


Fig. S3. XRD spectra of CSSLS composites.