Supporting Information For

Highly Flexible, Nonflammable and Free-Standing SiC Nanowire Paper

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Fig. S1 (a) Digital photograph of the as-prepared product synthesized in the sealed corundum crucible. (b) Cloud-like ultra long SiC nanowires grown on the corundum plate.

Fig. S2 The transparent SiC nanowire membrane/paper obtained on the corundum plate.
Fig. S3. FESEM images of SiC nanowire membrane/paper in different magnifications:
(a) overall view of the SiC nanowire paper; (b) the cross-section image of the paper;
(c) SEM image of SiC nanowires; (d) higher magnification SEM image of SiC nanowires.
Fig. S4. HRTEM image of SiC nanowire.
Fig. S5. XRD patterns of the as-prepared SiC nanowire paper and the paper after heating in an electric oven at 1000 °C for 3 h.