

Supplementary Information

SI Figure. SEM images show the Bi_2Te_3 nanoplatelet adsorption density could be controlled by varying the adsorption duration. The samples were prepared with the same μCP conditions, and then immersed in the nanoplatelet dispersion under a mild vortex for **(a)** 2 minutes, **(b)** 10 minutes, and **(c)** 20 minutes, respectively. With 20 minute adsorption, the AMTMS printed houndstooths were fully covered by Bi_2Te_3 nanoplatelets.

