Supplementary Information

SI Figure. SEM images show the Bi$_2$Te$_3$ 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$_2$Te$_3$ nanoplatelets.