Supporting Information

Water-proof and thermal-inert flexible pressure sensors based on

zero temperature coefficient of resistance hybrid films

Zhiyi Gao,^{a,b} Kai Jiang,^c Zheng Lou,^b Wei Han,^{a*} Guozhen Shen^{b*}



Figure S1 (a, b) High-magnification SEM image of thin film.



Figure S2 (a) Raman spectra of the MWCNT. (b) Raman spectra of the GP.



Figure S3 Pressure comparison of sensors before and after immersion in water



Figure S4 The compression stress–strain curves of the thin film in the strain ranges of a) 0-60% and b) 0-40%.



Figure S5 Real-time relative to current signal recorded under a pressure of 1 kPa when the frequency were 1Hz (a), 5 Hz (b), 20 Hz (c) and 50 Hz (d).



Figure S6 Optical image of the bending pressure sensor array