

Table S1: Comparison of some important properties of MWCNTs and UZ-MWCNTs

Properties	MWCNTs	UZ-MWCNTs
BET surface area (m^2g^{-1})	230	355
Specific capacitance (SC_{cd}) at 27 °C (F g^{-1})	22.2	42.8
Specific capacitance (SC_{cd}) at 100 °C (F g^{-1})	27.7	74.8
Specific energy (E_{sp}) of the supercapacitor (kWhkg^{-1})	20.5	35.8
Time constant (τ_0) of the supercapacitor at 27 °C (s)	1.55	26,1
Time constant (τ_0) of the supercapacitor at 100 °C (s)	0.68	72.2