Highly sensitive flexible capacitive pressure sensor based on micro-

arrayed polydimethylsiloxane dielectric layer

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Fig. S2 Optical microscope images of the PDMS flexible electrode

Number	Dosage of AgNWs	Sheet resistance		
	(µg cm ⁻²)	(Ω sq-1)		
a	10	18.78		
b	15	8.84		
с	20	2.75		
d	30	1.64		
e	40	0.97		
f	50	0.58		

Table	1.	The	influence	of	the	dosage	of	AgNWs	in	the	flexible	electrodes	on	their
conductivity and transparency														



Fig. S3 The photographs of the pressure sensors fabricated by different flexible electrodes. (a) a; (b) b; (c) c; (d) d; (e) e; (f) f.



Fig. S4 The transmittance curves of different flexible electrodes to the visible light. (a) a; (b) b; (c) c; (d) d; (e) e; (f) f.



Fig. S5 Pressure response of the sensor after more than 3000 cycles pressurization test, the inset shows 10 cycles at the beginning and the 3000th.