

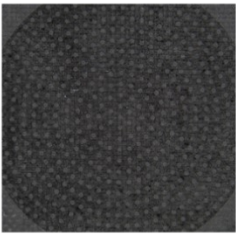
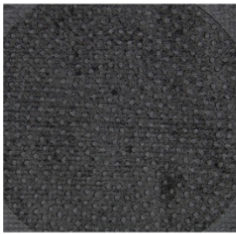
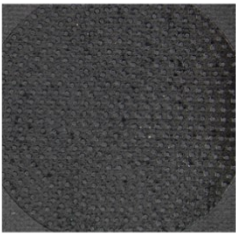
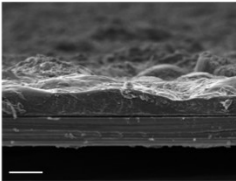
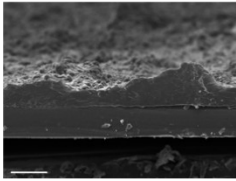
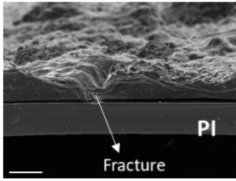
	19 us	18 us	17 us
Surface Optical Diagram			
Cross-sectional SEM			

Table S1 Effect of femtosecond-laser pulse interval on microstructure morphology
(surface and cross-sectional views)

	Response & recovery time	Detection limit	Linearity	Long-term stability
This work	20/30ms	577Pa	NA	~5000 cycles
Ref.23	120/80 ms	5 Pa	NA	5000 cycles @ 100 kPa
Ref.24	<125 ms / 125 ms	NA	$R^2 \approx 0.994$	~5000 cycles
Ref.25	29 ms/NA	10 Pa	NA	5000 cycles
Ref.26	360/140ms	7.3 Pa	NA	10000 cycles
Ref.27	170/70 ms	33.9 Pa	$R^2 = 0.998$	2000 cycles
Ref.28	92/84 ms	~1 Pa	NA	4000 cycles
Ref.29	5 ms	NA	$R^2 \approx 0.998$	5000 cycles
Ref.30	23.8/25.9 ms	NA	$R^2 = 0.987$	>1400 cycles
Ref.31	48.1/49.9 ms (at 1 kPa)	10 Pa	NA	5000 cycles
Ref.32	50/100 ms	0.14 Pa	NA	5000 cycles @ 400 Pa
Ref.33	10/28 ms	6.5 Pa	NA	5000 cycles
Ref.34	28/18 ms	NA	NA	5000 cycles
Ref.35	3.9 ms	0.3 Pa	$R^2 \approx 0.98$	NA
Ref.36	96/96 ms	NA	$R^2 = 0.9943$	1000 cycles

Ref.37	300/260 ms	NA	NA	2000 cycles
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Table S2 Quantitative comparison of key performance metrics of this work with
representative pressure sensors