

Wafer-scale, highly uniform, and well-arrayed suspended nanostructures for enhancing the performance of electronic devices

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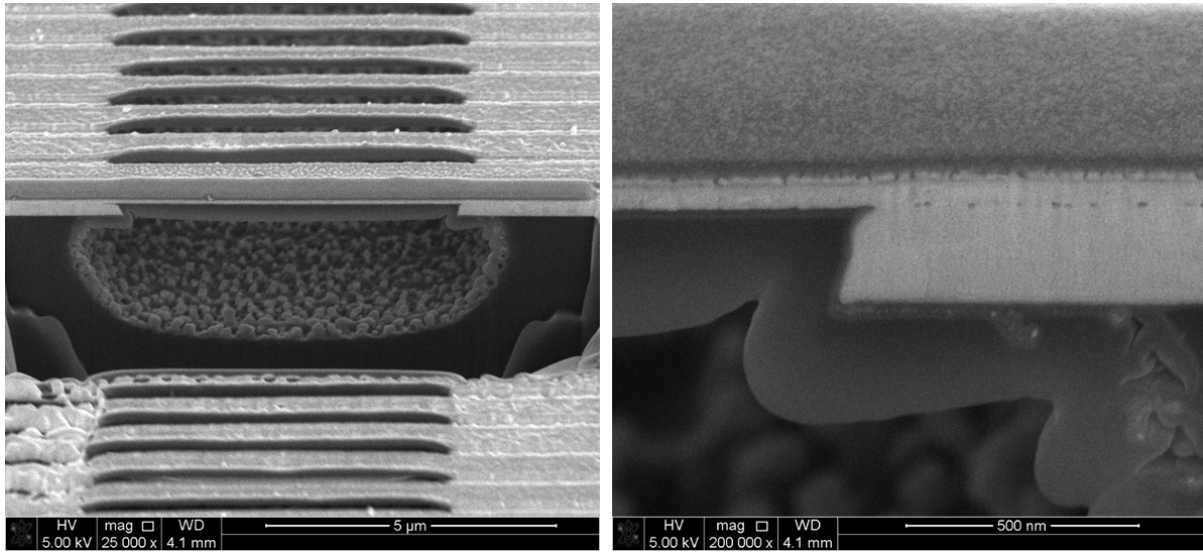


Figure S1. FIB cross-sectional images of suspended nanowires demonstrating the point of welding.

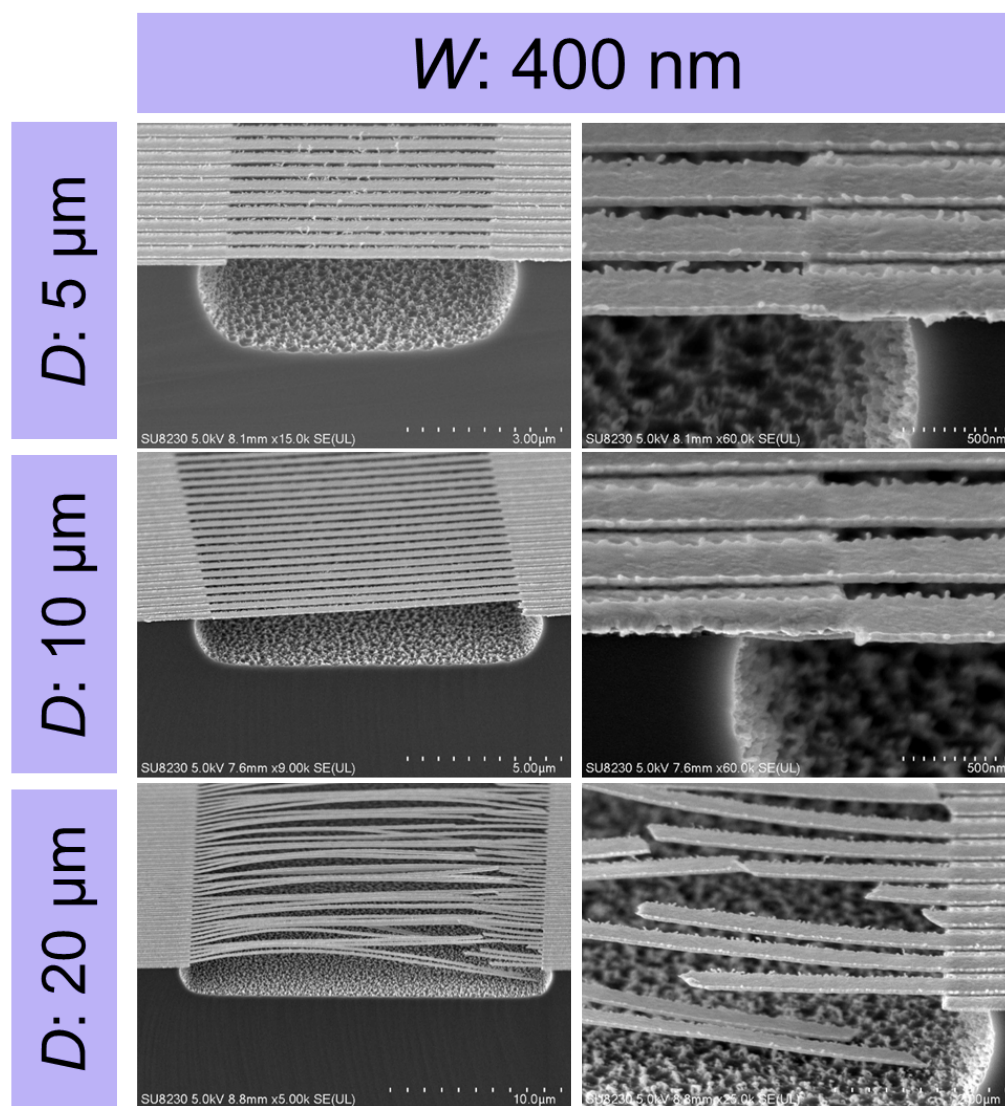


Figure S2. Tilted SEM images of suspended nanowires with a width (W) of 400 nm and distance (D) between “bridge piers” of 5, 10, and 20 μm .

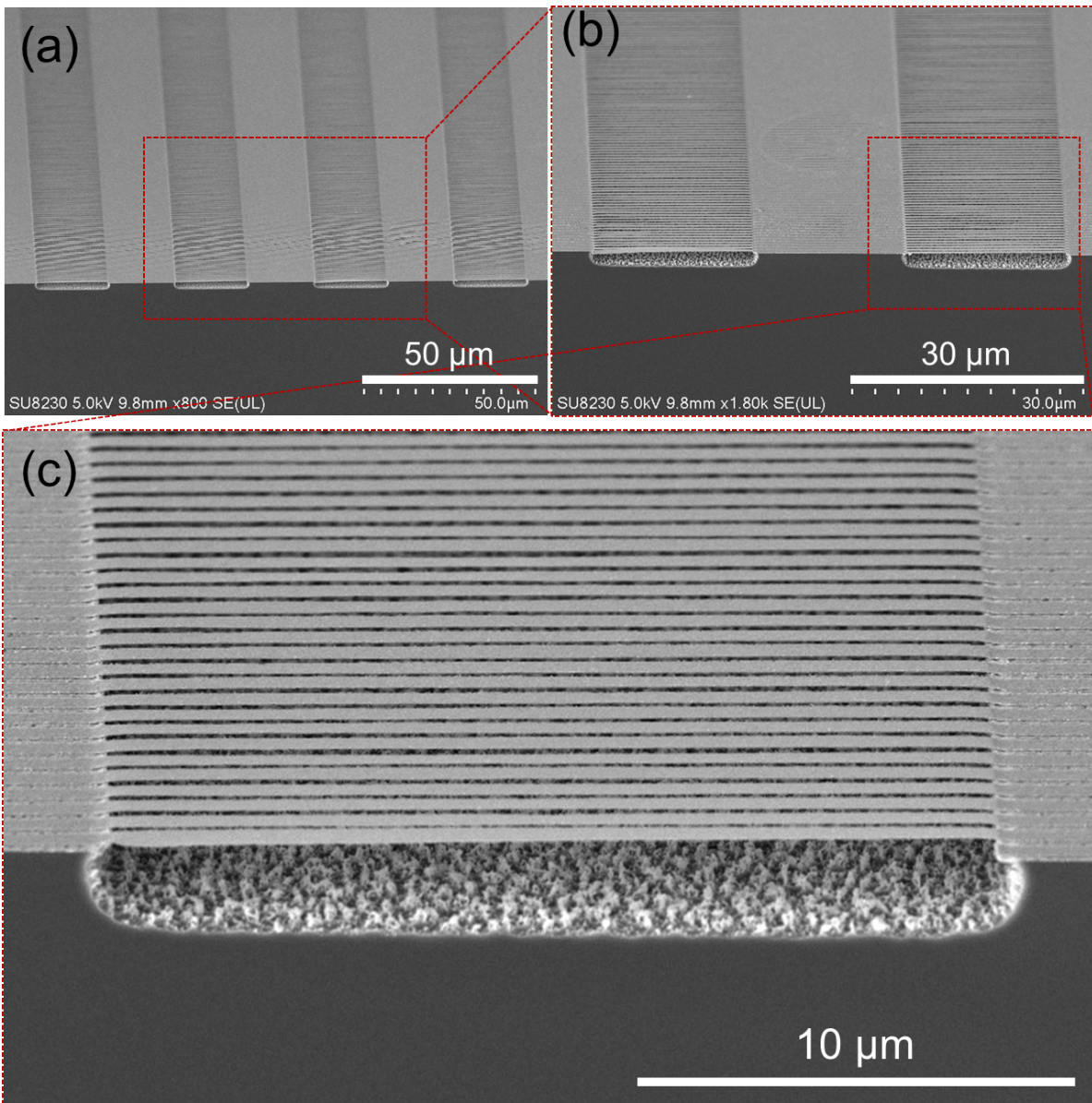


Figure S3. Tilted large-scale SEM images of suspended nanowires with a width of 600 nm and distance between “bridge piers” of 20 μm; scale bar (a) 50 μm, (b) 30 μm, (c) 10 μm.

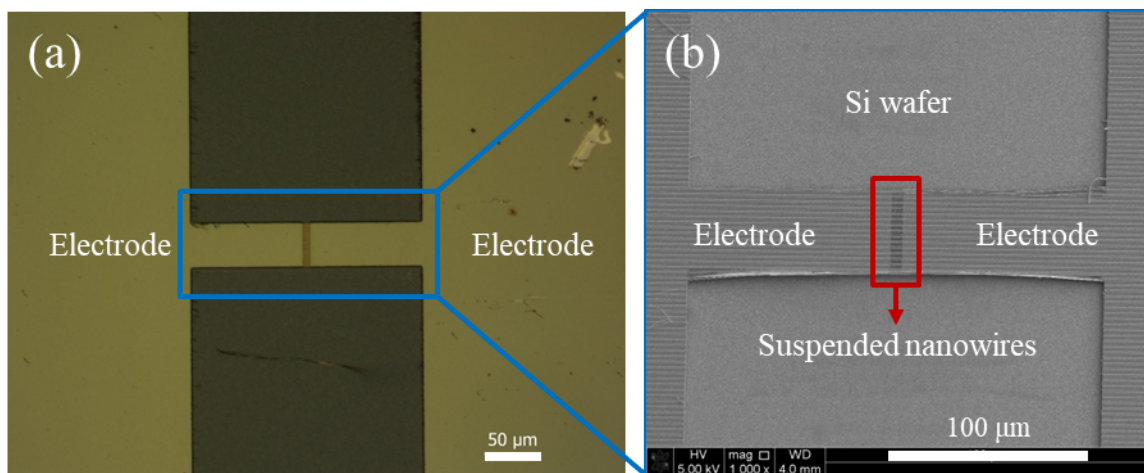


Figure S4. (a) Optical microscopy image and (b) SEM image of the suspended Pd nanowire-based gas sensor.

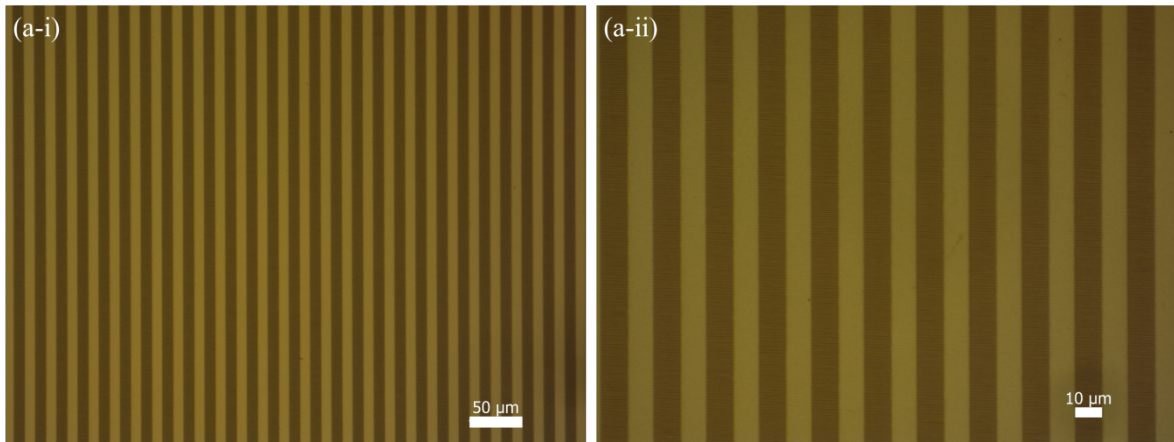


Figure S5. Microscopy images of the suspended nanowire-based thermoacoustic speaker; (a-i) reduced view and (a-ii) enlarged view.

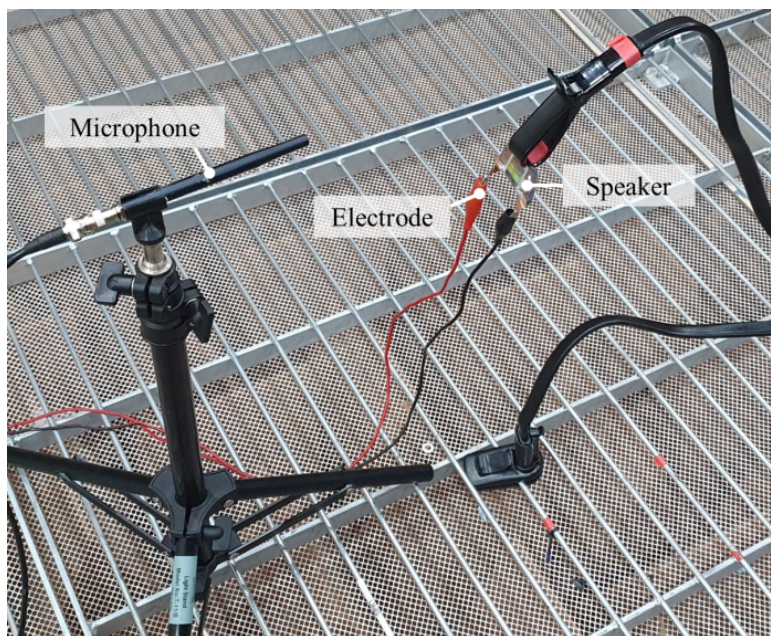


Figure S6. Photographic image of the experimental setup used for characterizing the thermoacoustic speaker.