materials

MDPI

Supplementary Material

A Numerical Model of a Perforated Microcantilever Covered with Cardiomyocytes to Improve the Performance of the Microcantilever Sensor

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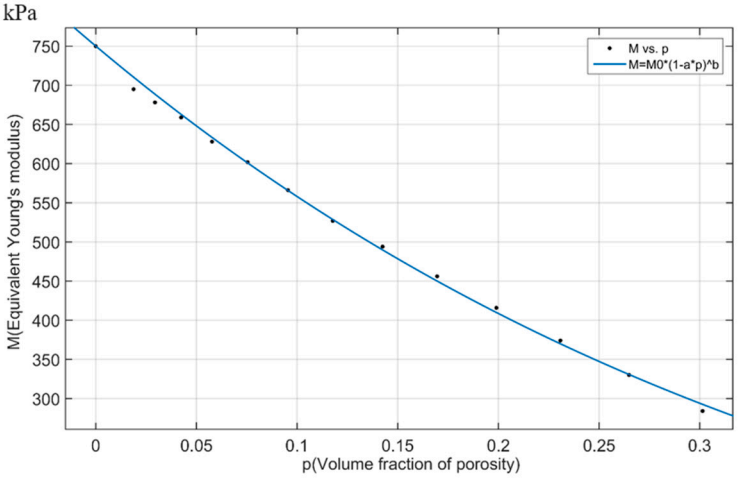

Figure 1. Fitted curve between equivalent Young's modulus and the volume fraction of porosity.

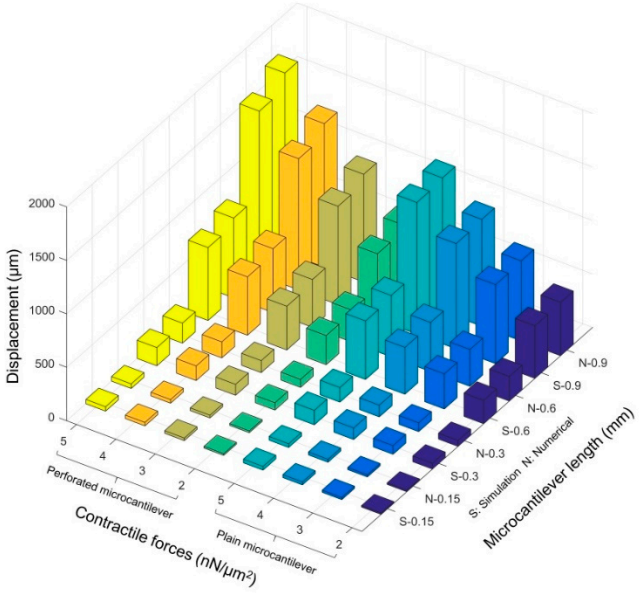

Figure S2. The numerical and simulation results comparison of the maximum displacements at the free end of the plain/perforated microcantilever under different conditions (contractile force: 2–5 nN/μm²).

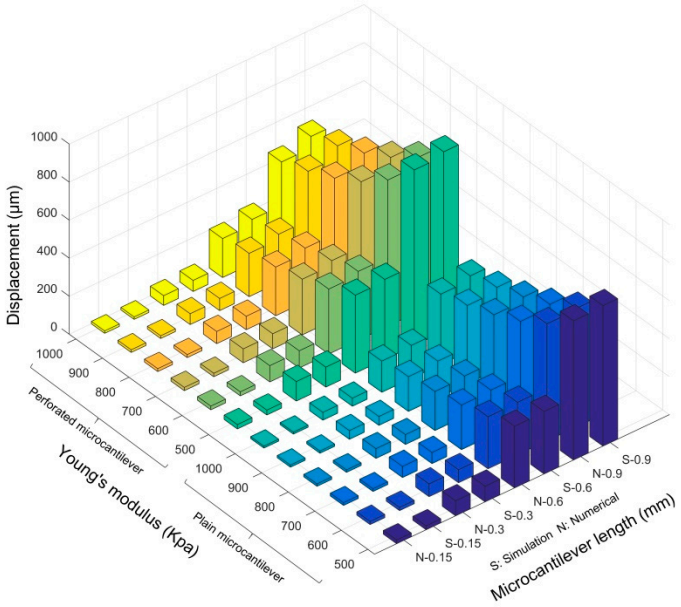

Figure S3. The numerical and simulation results comparison of maximum displacements at the free end of the plain/perforated microcantilever with different Young's modulus.

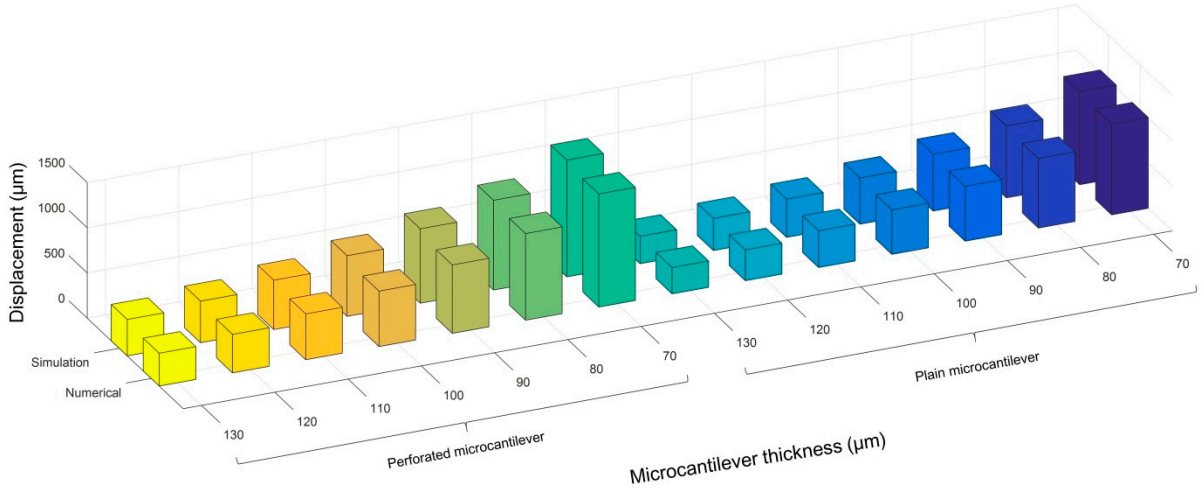

Figure S4. The numerical and simulation results comparison of maximum displacements at the free end of the plain/perforated microcantilever with different substrate thickness.