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Author contributions

S.A., M.U., D.L. and Y.L. developed the experimental system and performed the experiments. Y.L. and S.A. analysed the results. J.Z. developed the adiabatic protocol for the projective measurement. J.-N.Z. provided the concrete model for the experiment. J.-N.Z., Z.-Q.Y. and H.T.Q. provided theoretical support to the project. K.K. supervised the project. All authors contributed to writing the manuscript.

Additional information

Supplementary information is available in the online version of the paper. Reprints and permissions information is available online at www.nature.com/reprints. Correspondence and requests for materials should be addressed to H.T.Q. or K.K.

Competing financial interests

The authors declare no competing financial interests.

CORRIGENDUM

Stiffening solids with liquid inclusions

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In the text following equation 7, the expression describing the limit where stiffening occurs was incorrect and should have read: surface tension dominates over elasticity ($R \ll Y/E$). This has now been corrected in the online versions of the Article.