several experiments to confirm the validity of the buckypaper strain gauge in this work. The experimental results verifies that Raman Strain Rosette is practicable to quantitative measuring all the in-plane components of the strain tensor (including both normal and shear strains) and it is further applicable to achieving the strain fields through Raman mapping.

32、孙树伟（中科院力学所）——透明材料表面纳米结构加工方法的探讨

在材料表面加工微/纳米结构将会显著改善材料亲疏水性质，制作超疏水的透明材料对于防水、防雾具有重要意义。本报告针对两种透明材料 PMMA 和 PDMS，讨论了利用 mold-wetting 法和 spin-coating 的方法分别在其表面加工纳米结构的工艺过程，并进行了接触角测量。报告将讨论表面稳定性和疏水等特性。

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