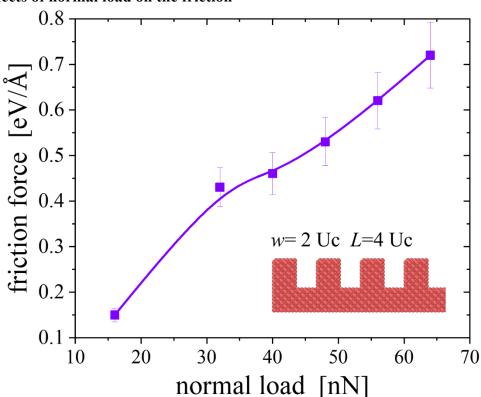
Refining the friction force through periodically grooved surfaces

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1. Effects of normal load on the friction

Figure S1. Effects of the normal load on the friction for grooved surface with geometrical parameters of w= 2Uc and L = 4 Uc.

2. Surface morphology of the tip before and after the friction tests

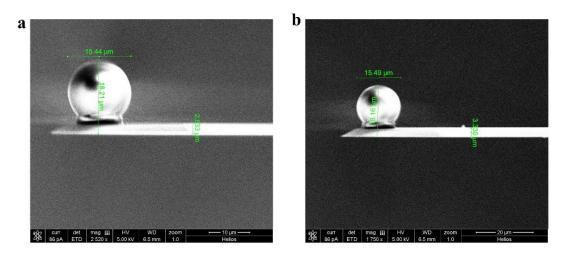


Figure S2. The surface morphology of the probe before (a) and after (b) the friction tests.