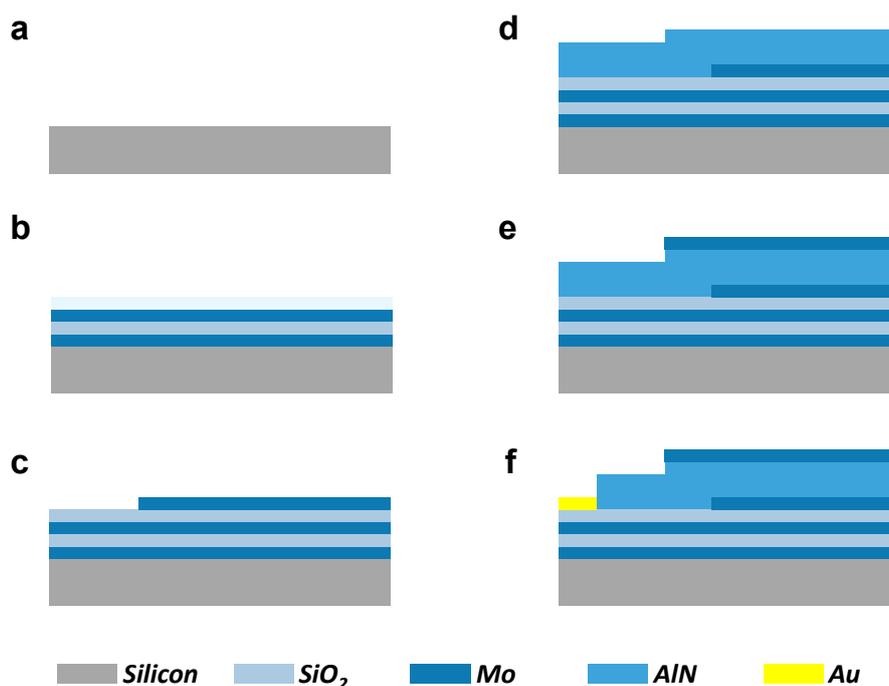


# Supplementary Materials: Acoustically Triggered Disassembly of Multilayered Polyelectrolyte Thin Films through Gigahertz Resonators for Controlled Drug Release Applications

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**Figure S1.** Schematic of the fabrication process of hypersonic resonator. (a) A silicon substrate is prepared; (b) Bragg reflector layers are deposited in turn on the substrate; (c) Molybdenum (Mo) is deposited and patterned as the bottom electrode; (d) Aluminum nitride (AlN) is deposited as a piezoelectric layer; (e) Mo is deposited and patterned as the top electrode; (f) AlN is etched, and gold (Au) is deposited and patterned as the connecting and testing pad.