Supporting Information

3D Nano-conductive Network Based on the Micro-structure of Latex Foam for Superior Performance Piezoresistive Sensors

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Author contributions

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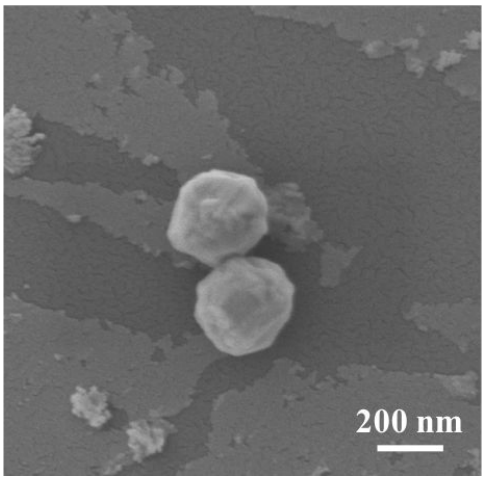

Figure S1. The SEM image of Ag nanoparticles.

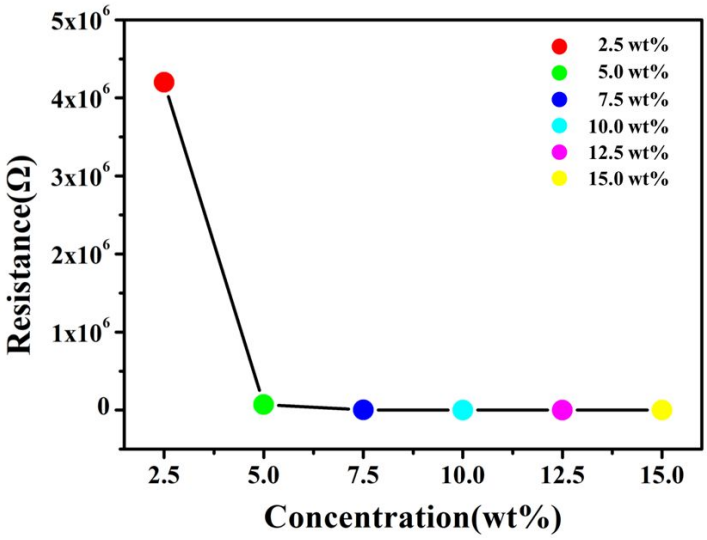

Figure S2. The resistances of NRLF/PDA/AgNP prepared by silver nitrate solutions of different concentrations (2.5wt%, 5wt%, 7.5wt%, 10wt%, 12.5wt%, 15wt%).

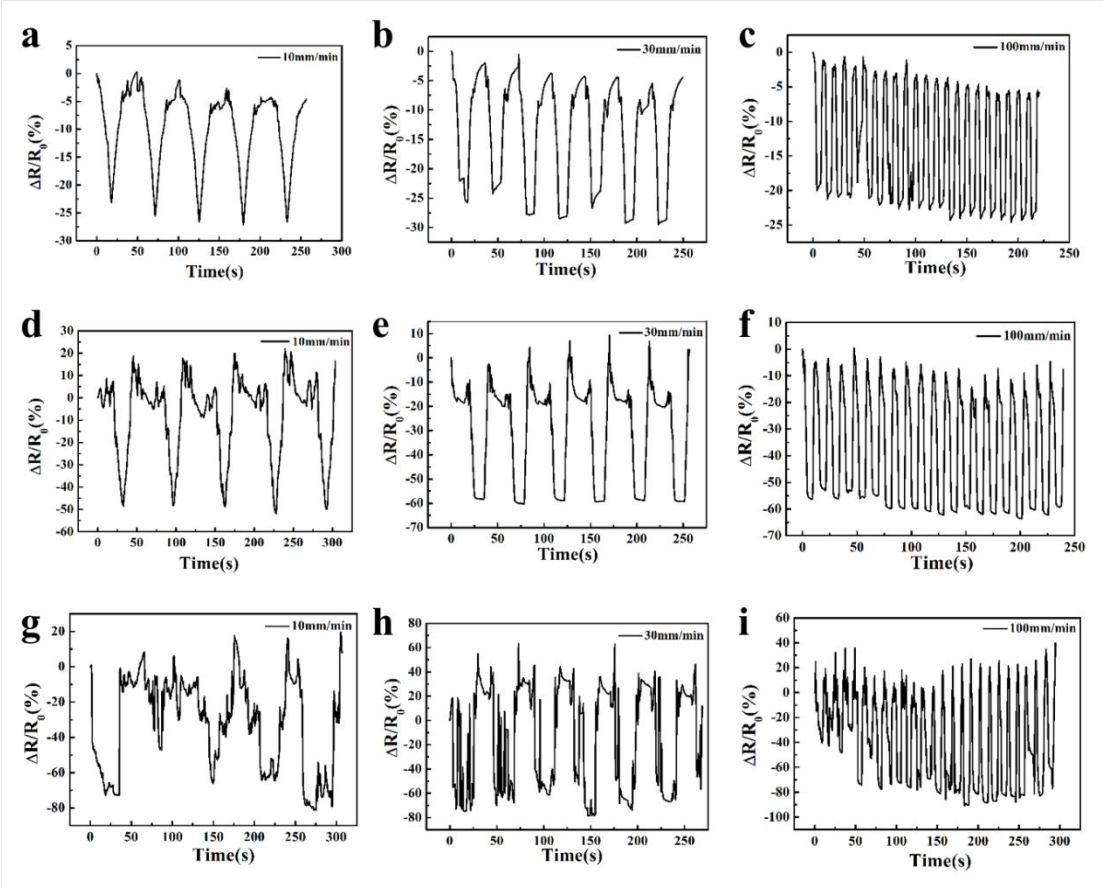

Figure S3. The resistance changes of NRLF/PDA/AgNP piezoresistive sensors prepared with different concentrations of silver nitrate solutions at different rates (10 mm/min, 30 mm/min, and 100 mm/min): (a-c) 10wt%, (d-f) 12.5wt%, and (g-i) 15wt%.

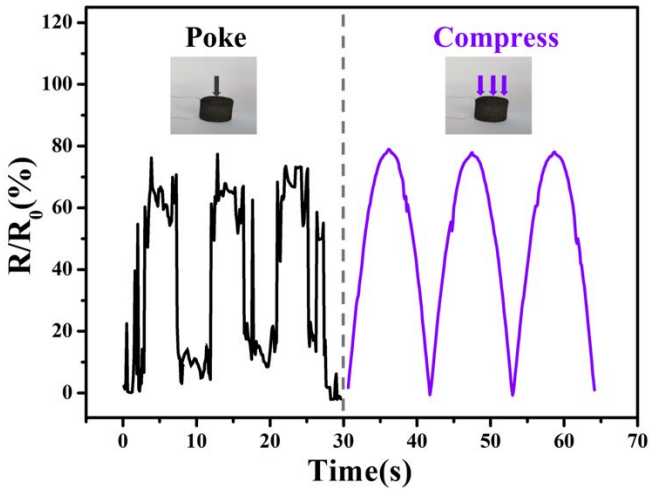

Figure S4. Piezoresistive behaviors of NRLF/PDA/AgNP sensor towards poking and compressing.