

Micropatterning of Metal Nanoparticle Ink by Laser-Induced Thermocapillary Flow

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Supporting Information

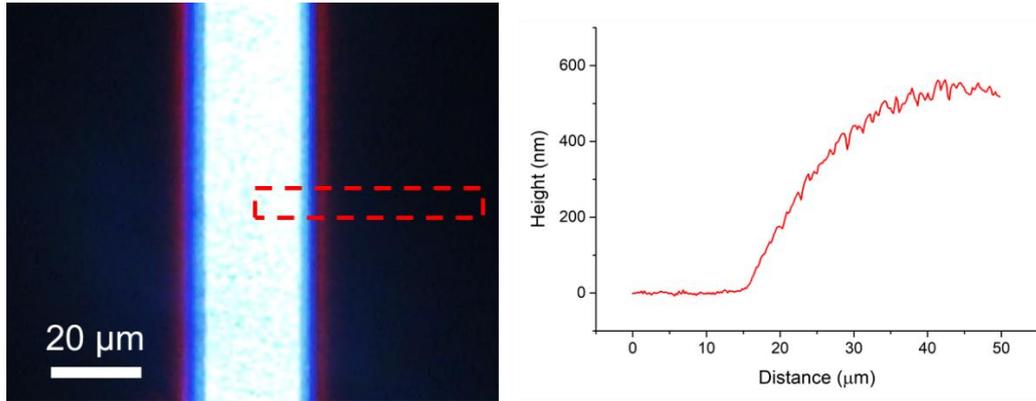


Figure S1. Transmission optical microscope image and AFM height profile of sintered Ag NP layer after applying the proposed method to generate a line pattern.

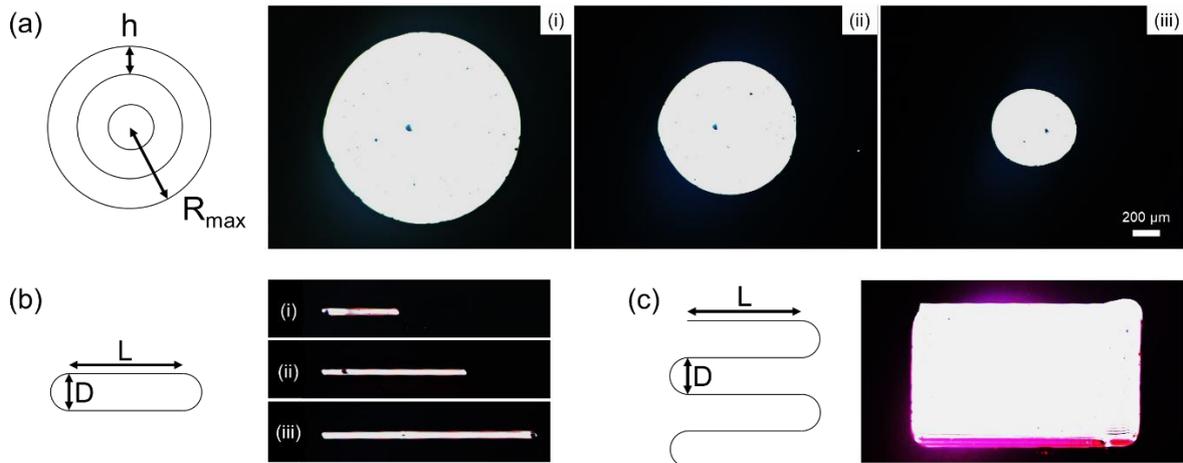


Figure S2. Hatching schematics and the transmission optical microscope images of (a) holes at (i) $R_{\max} = 1.2$ mm (ii) $R_{\max} = 0.8$ mm (iii) $R_{\max} = 0.4$ mm with $h = 10$ μm (b) cylindrical pins at (i) $L = 0.5$ mm (ii) $L = 1.0$ mm (iii) $L = 1.5$ mm with $D = 10$ μm and (c) rectangular area with $L = 1.5$ mm with $D = 10$ μm .

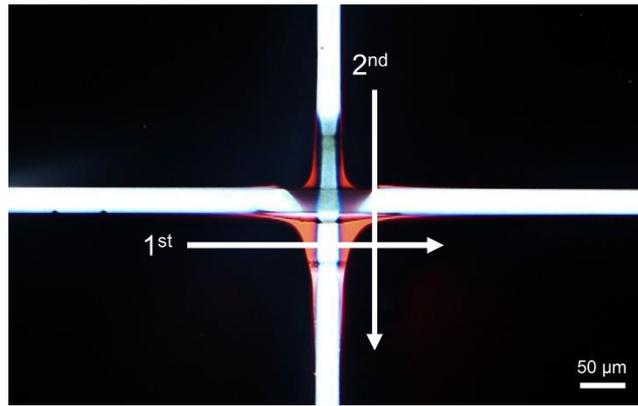


Figure S3. Transmission optical microscope image of Ag NP layer after applying the proposed method overlapped in two perpendicular directions.