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## Ultrasensitive diffraction gratings based on smart hydrogel for high-selective and rapid detection of trace heavy metal ions

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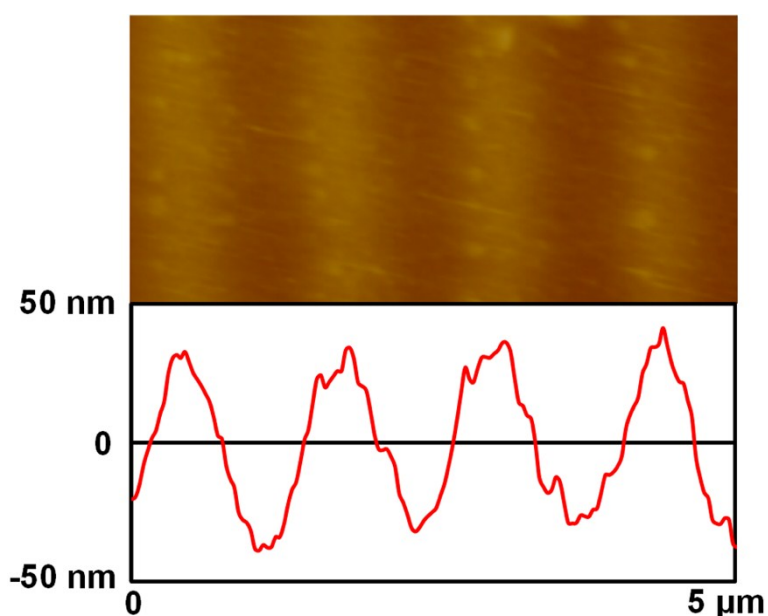


Fig. S1. AFM image and section analysis of the PNB hydrogel grating at 40 °C in pure water.