

## Supporting Information

### Formation Mechanism and Optical Characterization of Polymorphic Silicon Nanostructures by DC Arc-discharge

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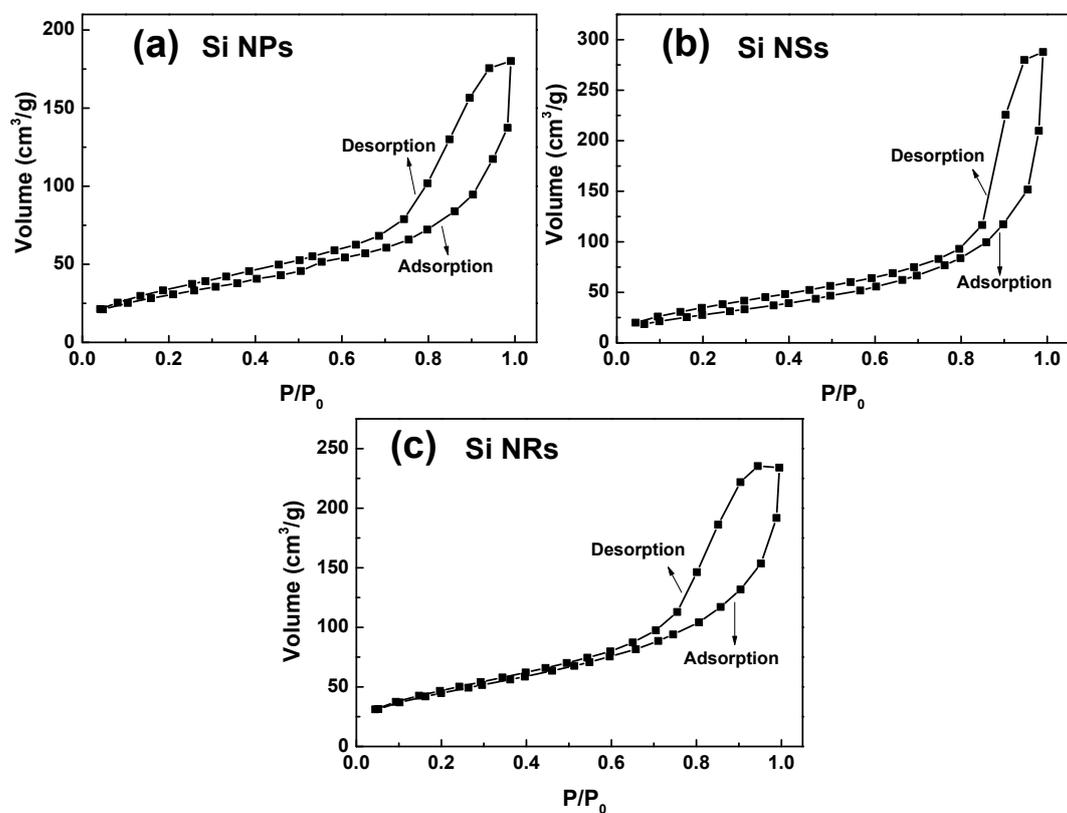


Fig. S1. Nitrogen adsorption-desorption isotherms of (a) Si NPs, (b) Si NSs, (c) Si NRs under 77.3 K.