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## Supplementary Information

2      **Large-Scale Nanotwins in Copper Films/Cu Nanowires via Stress Engineering by**

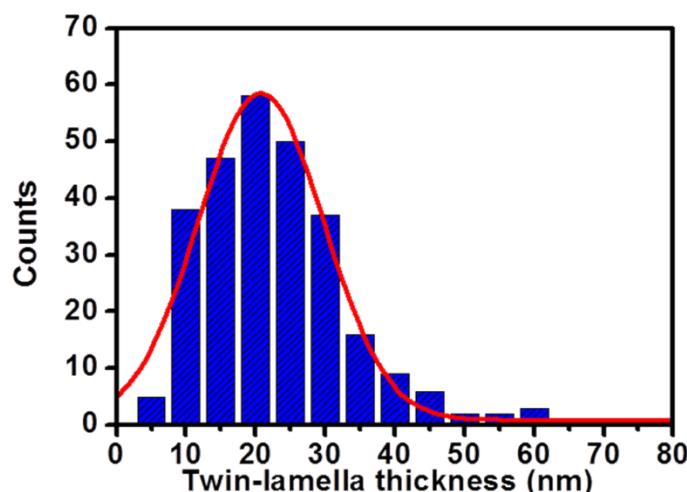
3      **High Energy Ion Beam Bombardment Process: Growth and Characterization**

4              Tsung-Cheng Chan, Yu-Ze Chen, Yu-Lun Chueh\*, and Chien-Neng Liao\*

5      Department of Materials Science and Engineering, National Tsing Hua University, Hsinchu,

6      30013, Taiwan

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8      **Figure S1** Statistics of twin lamella width distributions for the patterned Cu strips.

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