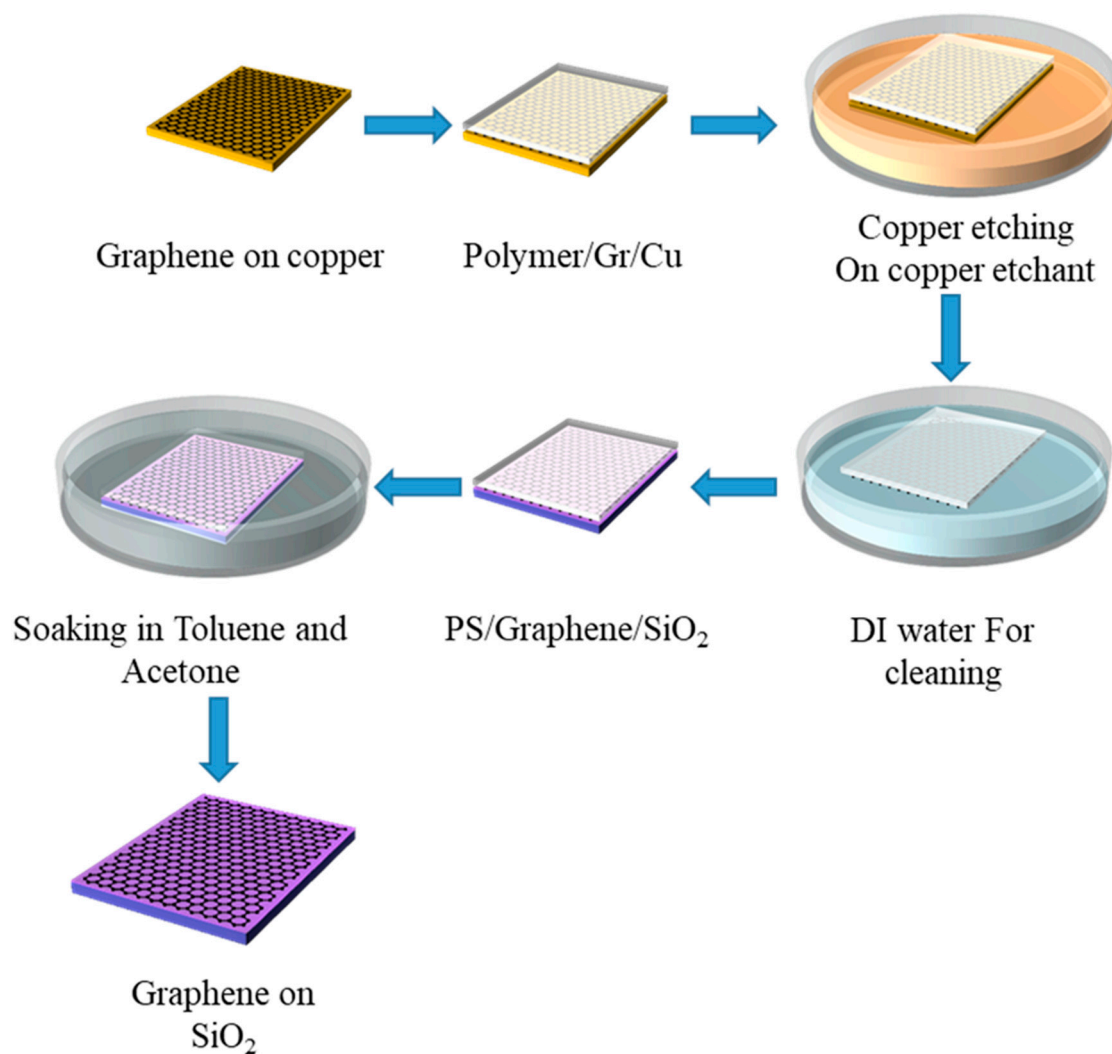
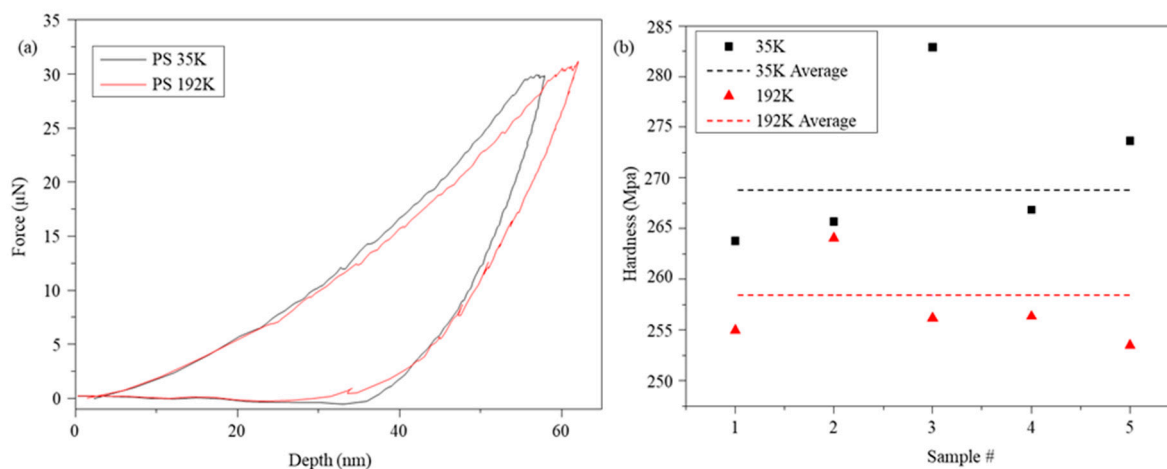


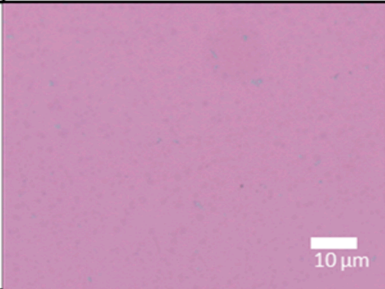
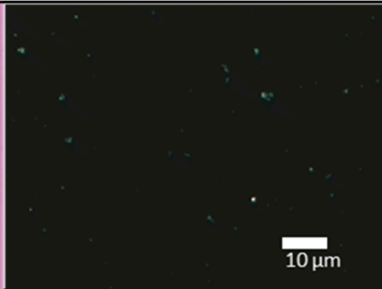
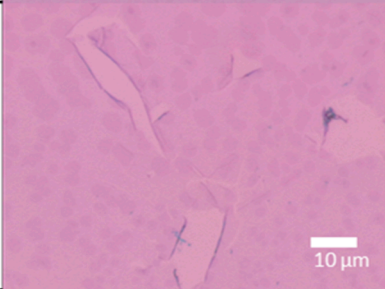
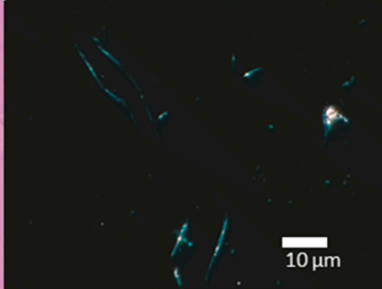
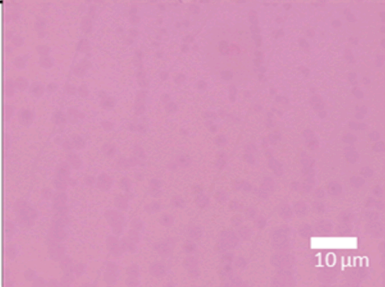

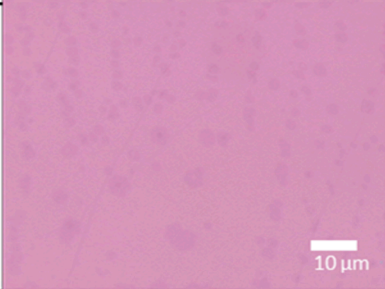

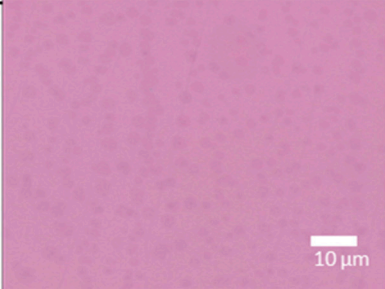

## Supplementary Informations



**Figure S1.** Schematic of conventional graphene transfer method on SiO<sub>2</sub> substrate.



**Figure S2.** Nano-indentation test (a) and hardness comparison (b) for different Molecular Weight Polystyrene film.

Supporting Layer Composition	OM of Graphene after Transfer	
PMMA		
PolyStyrene 100%		
PolyStyrene 85%, Hexadiene 15%		
PolyStyrene 85%, Octadiene 15%		
PolyStyrene 85%, Decadiene 15%		

**Figure S3.** Bright and dark field optical microscope images of graphene transfer by different polymer support layers.