**Fabrication of ZnO nanorods based gas sensor pattern by photolithography and lift off techniques**

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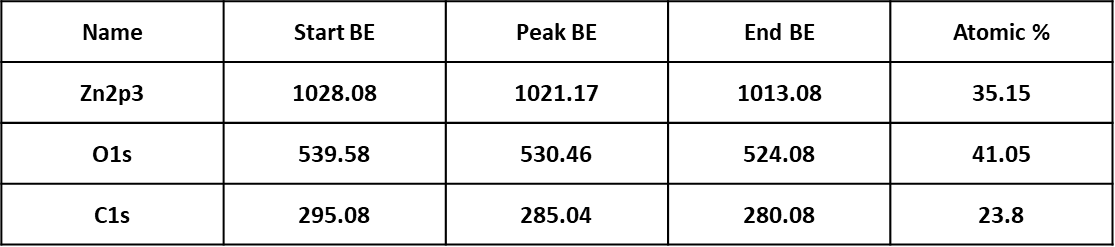
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**Fig. SI.1** Schematic diagram for synthesis of ZnO nanorods films using (a) chemical bath deposition, (b) hydrothermal deposition.



**Fig. SI.2** XPS atomic percentage of the ZnO nanrods.