

1. Utilize different kinds of catalyst to synthesize CNTs.
2. Using AAO template with different aspect ratio and interpore distance to synthesize CNT arrays, higher β value can be anticipated.
3. It is expected that if only the CNT surface is cleaned by post-growth treatment, such as H_2 plasma treatment, the low tube density provided field enhancement will be more highlighted in the case of high CH_4 concentration.
4. Triode device fabrication.

