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The Efficient Production on Single- and Multi-Wall Carbon Nanotubes

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Multi- and single-wall carbon nanotubes are promising new carbon materials in nano-electronics, field-emitters, CRT-displays, hydrogen storage materials, biomedical tracers and so forth. The present talk will deal with a high-yield synthesis on quasi-aligned multi-wall carbon nanotubes via a chemical vapor deposition technique. I will also talk about a possible growth mechanism on single-wall carbon nanotubes based on newly obtained experimental results.