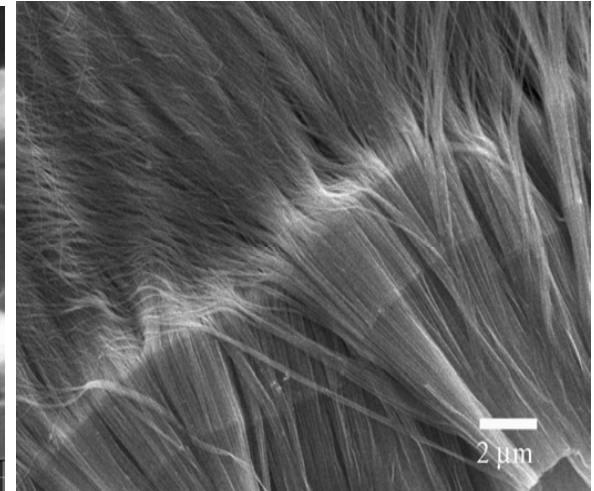
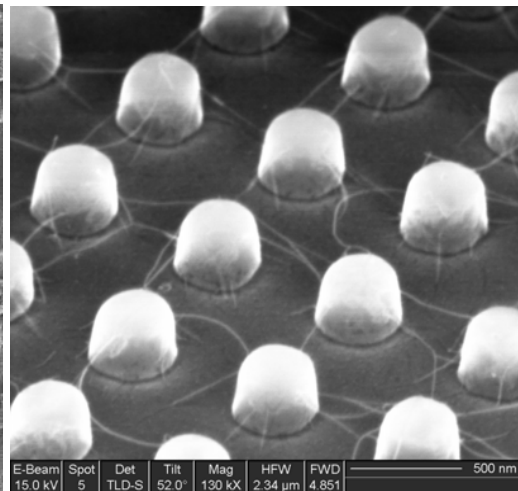
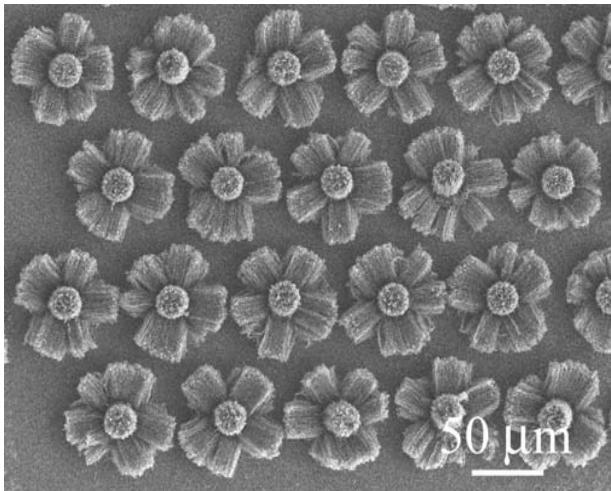


Controlled Fabrication of Carbon Nanotubes

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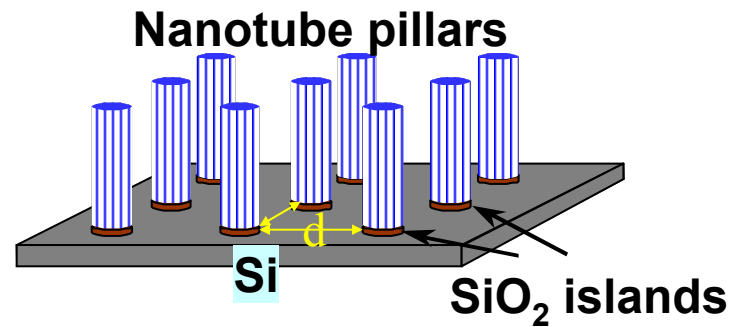
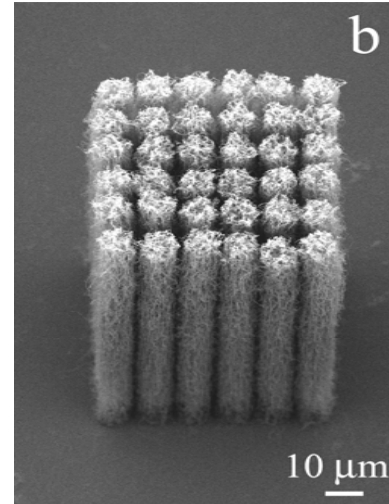
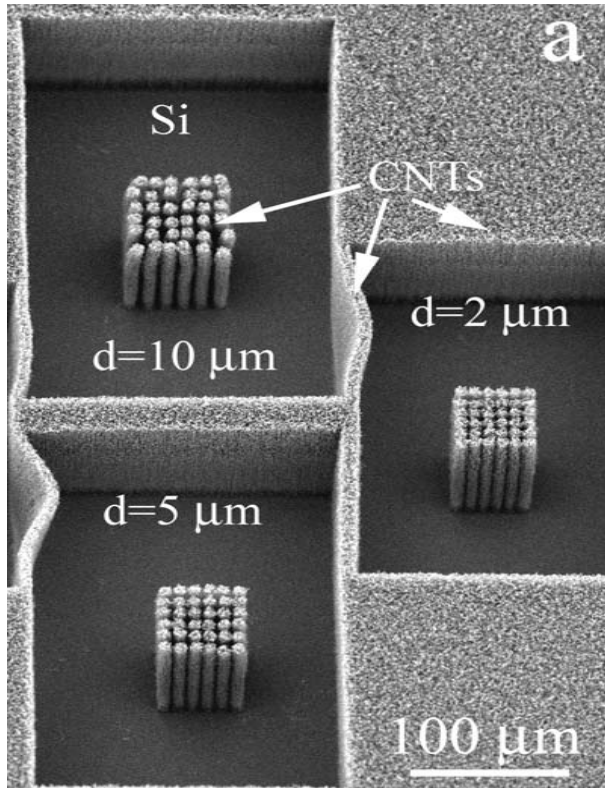
Department of Materials Science and Engineering
Rensselaer Polytechnic Institute, Troy, NY 12180²



Micro Scale MWNTs Architectures

Selective Growth of Carbon Nanotubes on SiO_2/Si Patterns

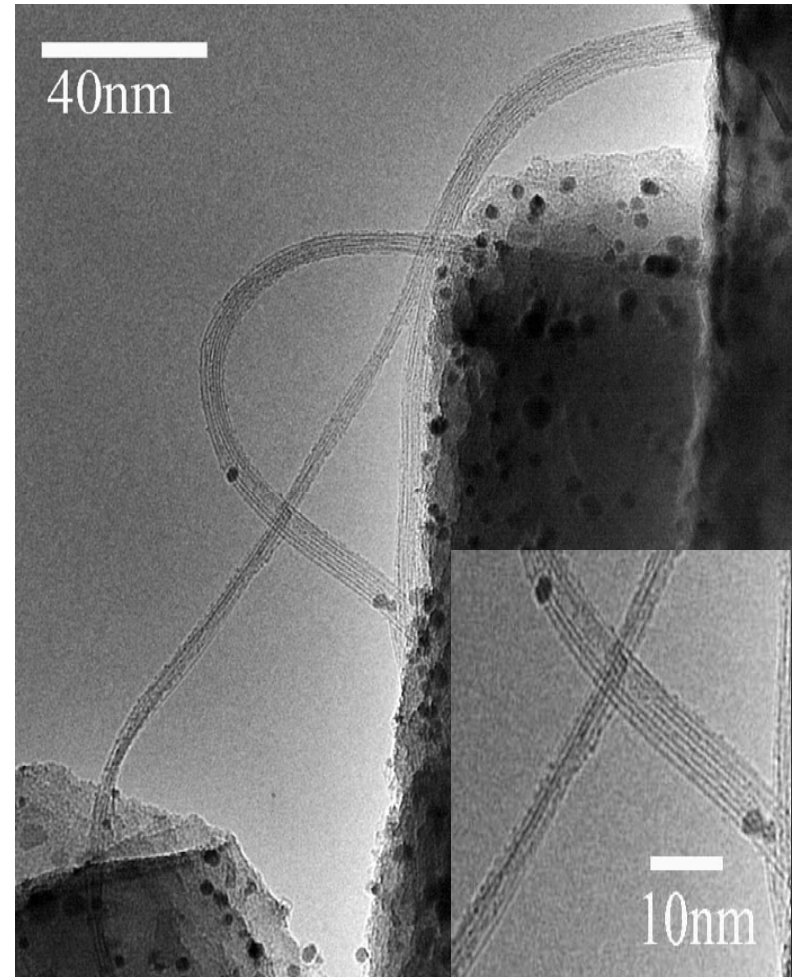
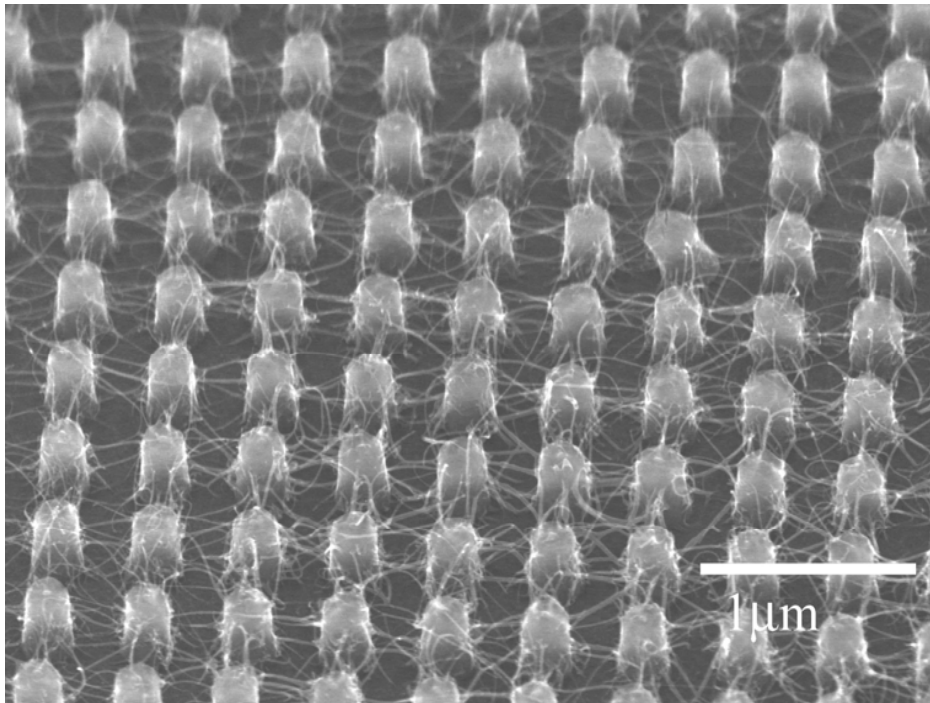
B.Q. Wei, R. Vajtai, Y.J. Jung, P.M. Ajayan et al. , Nature 416, 495, 2002



Nano Scale SWNTs Architectures

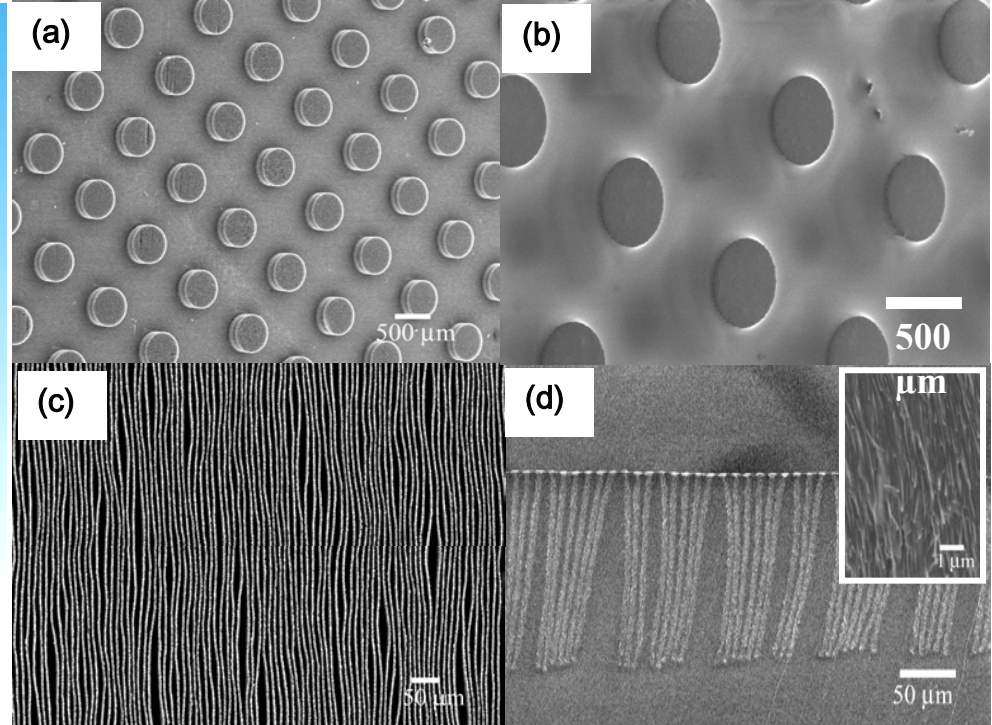
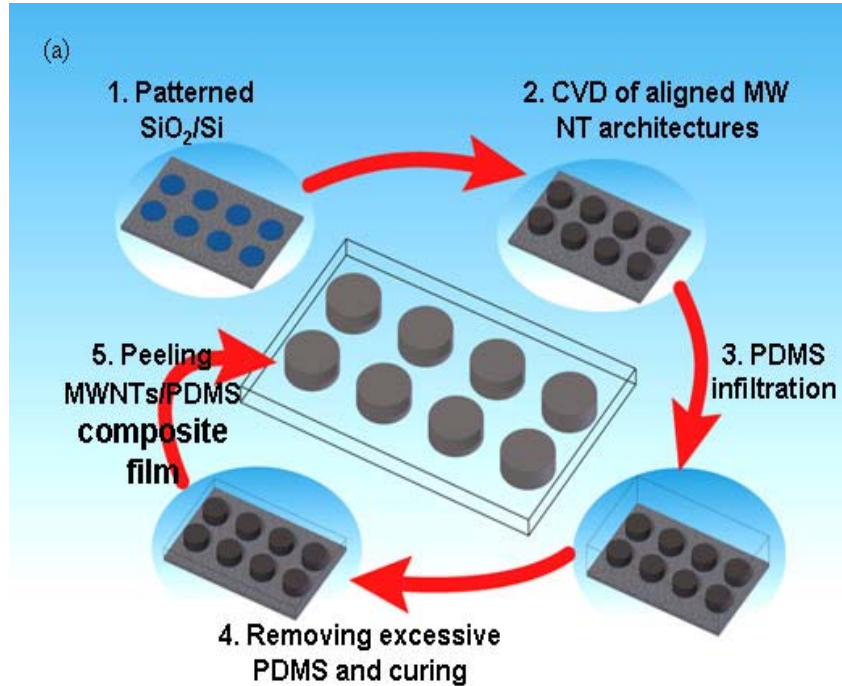
High Density SWNTs Networks

Y.J. Jung , Y. Homma, P.M. Ajayan et al., J. Phys. Chem. B 107,6859, 2003



Application of MWNTs Architectures

Carbon Nanotube-PDMS composites for high performance multifunctional devices *Y.J. Jung, K. S. Kar, P.M. Ajayan et al. Nano Letters, 2006*



Complex MWNTs Networks

Carbon Nanotube Architectures – Complex Hierarchical Branching Structures

G. Meng, Y.J. Jung, P.M. Ajayan., US Patent in preparation

