

Reference

- Besteman K., Lee J.-O., Wiertz F.G.M., Heering H.A., Dekker, C. Enzyme-coated carbon nanotubes as single-molecule biosensors. *Nano Lett.* **3**(2003) 727-730
- Bard A. J., Faulkner L. R., John Wiley., Sons. *New York* (1980) Chapter 1.
- Bachtold A., Hadley P., Nakanishi T., Dekker C., Logic circuits with carbon nanotube transistors. *Science* **294**(2001) 1317-1320
- Chen R. J., Zhang Y., Wang, D., Dai H., Noncovalent sidewall functionalization of single-walled carbon nanotubes for protein immobilization. *J. Am. Chem. Soc.* **123**(2001) 3838-3839
- Chen R. J., Bangsaruntip S.; Drouvalakis K. A., Wong Shi Kam N., Shim M., Li Y. M., Kim W., Utz P. J., Dai H. *Proc. Natl. Acad. Sci. U.S.A.* **100**(2003) 4984.
- Chen R.J., Choi H.C., Bangsaruntip S., Yenilmez E., Tang X., Wang Q., Chang Y.L. Dai H. *J. Am. Chem. Soc.* **126**(2004) 1563
- Collins Philip G., Bradley K., Ishigami M., Zettl A., Extreme oxygen sensitivity of electronic properties of carbon nanotubes. *Science* **287**(2000) 1801-1804
- Collins Philip G., Arnold Michael S., Avouris Phaedon., Engineering carbon nanotubes and nanotube circuits using electrical breakdown. *Science* **292**(2001) 706-709
- Cui Y., Wei Q. Q., Park H. K., Lieber C. M. Nanowire nanosensors for highly sensitive and selective detection of biological and chemical species. *Science* **293**(2001) 1289.
- Cheung C.L., Hafner J.H., Lieber C.M. Carbon nanotube atomic force microscopy tips: direct growth by chemical vapor deposition and application to high-resolution imaging *PNAS.* **97**(2000) 3809
- Derycke V., Martel R., Appenzeller J., Avouris Ph., Controlling doping and carrier injection in carbon nanotube transistors. *Appl. Phys. Lett.* **80**(2002) 2773-2775.

Franklin Nathan R., Wang Oian., Tomblor Thomas W., Javey Ali., Shim Moonsub.,

Dai Honglie., Integration of suspended carbon nanotube arrays into electronic devices

and electromechanical systems. *Appl. Phys. Lett.* **81**(2002) 913-915

Iijima S., Helical microtubules of graphitic carbon. *Nature* **354**(1991) 56-58

Javey A., Shim M., Dai H., Electrical properties and devices of large-diameter single-walled carbon nanotubes. *Appl. Phys. Lett.* **80**(2002) 1064-1066

Jeong H.J., Lim S.C., Kim K.S., Lee Y.H. Edge effect on the field emission properties from vertically aligned carbon nanotube arrays. *Letters to the Editor / Carbon* **42**(2004) 3003

Kong J., Franklin N.R., Zhou C., Chapline M.G., Peng S., Cho K., Dai H., Nanotube molecular wires as chemical sensors. *Science* **287**(2000) 622-625

Krüger M., Buitelaar M.R., Nussbaumer T., Schönenberger C., Forró L., Electrochemical carbon nanotube field-effect transistor. *Appl. Phys. Lett.* **78**(2001) 1291-1293.

Kroto H.W., Heath J.R., O'Brien S.C., Curl R.F., Smalley R.E. C60: Buckminsterfullerene. *Nature* **318**(1985) 162

Keidar M., Waas A.M. On the conditions of carbon nanotube growth in the arc discharge. *Nanotechnology* **15**(2004) 1571

Mintmire J.W., Dunlap B.I., White C.T., Are fullerene tubules metallic? *Phys. Rev. Lett.* **68**(1992) 631-634

Martel R., Schmidt T., Shea H.R., Hertel T., Avouris Ph., Single- and multi-wall carbon nanotube field-effect transistors. *Appl. Phys. Lett.* **73**(1998) 2447-2449.

Odom T.W., Huang J.L., Kim P., Lieber C.M., Atomic structure and electronic properties of single-walled carbon nanotubes. *Nature* **391**(1998) 62-64

Puretzky A.A., Schittenhelm H., Fan X., Lance M.J., Allard L.F., Jr., David B. Investigations of single-wall carbon nanotube growth by time-restricted laser vaporization. *Geoeagan Phys. Rev. B* **65**(2002) 245425

Puretzky A.A., Geohegan D.B., Fan X., Pennycook S.J. *Appl. Phys.* **70**(2002)153

Rosenblatt S., Yaish Y., Park J., Gore J., Sazonova V., McEuen P. L., High performance electrolyte gated carbon nanotube transistors. *Nano Lett.* **2**(2002) 869-872

Rhoderick E.H. *J. Phys. D: Appl. Phys.* **3**(1970) 1153

Someya T., Dodabalapur A., Gelperin A., Katz H. E., Bao Z. Integration and response of organic electronics with aqueous microfluidics. *Langmuir* **18**,(2002) 5299

Someya T., Kim P., Nuckolls C. Conductance measurement of single-walled carbon nanotubes in aqueous environment. *Appl Phys. Lett.* **82**(2003) 2338

Saito R., Fujita M., Dresselhaus G., Dresselhaus M.S., Electronic structure of chiral graphene tubules. *Appl. Phys. Lett.* **60**(1992) 2204-2206.

Saito Y. *J Nanosci Nanotechnol* **3**(2003)39

Star A., Gabriel J.-C. P., Bradley K., Gruner G. Electronic detection of specific protein binding using nanotube FET devices. *Nano Lett.* **3**(2003) 459.

Shim M., Javey A., Kam Nadine W.S., Dai H. Polymer Functionalization for air-stable n-type carbon nanotube field-effect transistor. *J. Am. Chem. Soc.* **123**, (2001) 11512

Tans S.J., Verschueren Alwin R.M., Dekker C., Room-temperature transistor based on a single carbon nanotube. *Nature* **393**(1998) 49-52

Wilder Jeroen W.G., Venema Liesbeth C., Rinzer Andrew G., Smalley Richard E., Dekker Cees., Electronic structure of atomically resolved carbon nanotubes. *Nature* **391**(1998) 59-62

Woolley A.T., Cheung C.L., Hafner J.H., Lieber, C.M. Structural biology with carbon nanotube AFM probes. *Chemistry & Biology*, **7** (2000) 193

