

เอกสารอ้างอิง

- [1] S. Iijima, *Nature (London)* 354 (1991) 56-58.
- [2] S. Iijima, T. Ichihashi, *Nature* 363, 603 (1993).
- [3] D.S. Bethune, C.H. Kiang, M.S. de Vries, G. Gorman, R. Savoy, J.Vazquez, R. Beyers, *Nature* 363, 605 (1993).
- [4] “WebElements”, Location: <http://www.webelements.com/>
- [5] R. H. Petrucci et al.: *General Chemistry: Principles and Modern Applications, Prentice hall*, 8th edition (2002).
- [6] T.W. Ebbesen, *Carbon Nanotubes*, Edited by T.W. Ebbesen, CRC Press (Boca Raton, New York, London, Tokyo) 1997, Chapter I.
- [7] Philippe Mauron, Thesis: Growth Mechanism and Structure of Carbon Nanotubes, University of Fribourg, Switzerland (2003).
- [8] H.W. Kroto, J.R. Heath, S.C. O’Brien, R.F. Curl, R.E. Smalley, *Nature* 318, 162 (1985).
- [9] W. Kratschmer et al.: *Nature* 347, 354 (1990)
- [10] “Carbon Nanotubes as Molecular Quantum Wires”, Location: <http://www.dct.tudelft.nl/race/research/coppens/Dekker.html>
- [11] “ท่อนาโนคาร์บอน”, <http://www.technologymedia.com/article/detail.asp?arid=2484&pid=257>
- [12] Yoichi Murakami, Thesis: CVD Growth of Single-Walled Carbon Nanotubes and their Anisotropic Optical Properties, Department of Mechanical Engineering, The University of Tokyo, December 2004.
- [13] Richard E. Smalley, *Carbon nanotubes synthesis*. Newyork: Massachusetts yorktown Heghts, January 2001.
- [14] A.A. Talin, K.A. Dean, J.E. Jaski, Field emission display: a critical review, *Solid-State Electronics* 45(2001)963-976.
- [15] Jean-Marc Bonard, Hannes Kind, Thomas Stockli, Lars-Ola Nilsson, Field emission from carbon nanotubes: the first five years, *Solid –State Electronics* 45(2001)893-914.
- [16] Yuan Cheng, Otto Zhou, Electron field emission from carbon nanotubes, *C. R. Physique* 4 (2003) 1021–1033.
- [17] Phaedon Avouris, Carbon nanotube electronics, *Chemical Physics* 281 (2002)429–445.

- [18] J.H. Hafner, C.-L. Cheung, A.T. Woolley, C.M. Lieber, Review Structural and functional imaging with carbon nanotube AFM probes, *Progress in Biophysics & Molecular Biology* 77 (2001) 73–110.
- [19] Chin Li Cheung, Jason H. Hafner, and Charles M. Lieber, Carbon nanotube atomic force microscopy tips: Direct growth by chemical vapor deposition and application to high-resolution imaging, *PNAS* u April 11, 2000 vol.97 no.8, p3813.
- [20] Fan Lu , Ying Liu , Mei Dong , Xiaoping Wang , Nanosized tin oxide as the novel material with simultaneous detection towards CO, H and CH₂ 4, *Sensors and Actuators B* 66 2000(225–227).
- [21] R. Saito et al.: *Physical Properties of Carbon Nanotubes*, *Imperial College press*, 3th edition (1998) and references therein.
- [22] M. C.-C. Lin et al.: *Mater. Phys. Mech.* 4, 138-142 (2001).
- [23] T. Guo, P. Nikolaev, A.G. Rinzler, D. Tomanek, D.T. Colbert, R.E. Smalley, *J. Phys. Chem.* 99, 10694 (1995).
- [24] A. Thess, R. Lee, P. Nikolaev, H. Dai, P. Petit, J. Robert, C. Xu, Y.H. Lee, S.G. Kim, A.G. Rinzler, D.T. Colbert, G.E. Scuseria, D. Tomanek, J.E. Fischer, R.E. Smalley, *Science* 273,483 (1996).
- [25] R. Saito, G. Dresselhaus, M.S. Dresselhaus, *Physical properties of Carbon Nanotubes*, Imperial College Press (London) 1998.
- [26] T. Guo, P. Nikolaev, A.G. Rinzler, D. Tomanek, D.T. Colbert, R.E. Samlley, *J. Phys. Chem.* 99, 10694 (1995).
- [27] A. Chambers, C. Park, R.T.K. Baker, N.M. Rodriguez, *J. Phys. Chem.B* 102, 4253 (1998).
- [28] Toshiya Okazaki, Hisanori Shinohara, Synthesis and characterization of single-wall carbon nanotubes by hot-filament assisted chemical vapor deposition, *Chemical Physics Letters* 376 (2003) 606–611.
- [29] G.G. Tibbetts, C.A. Bernardo, D.W. Gorkiewicz, R.L. Alig, *Carbon* 32, 569 (1994).
- [30] G.G. Tibbetts, D.W. Gorkiewicz , R.L. Alig, *Carbon* 31, 809 (1993).
- [31] P. Nikolaev, M.J. Bronikowski, R.K. Bradley, F. Rohmund, D.T. Colbert, K.A. Smith, R.E. Smalley, *Chem. Phys. Lett.* 313, 91 (1999).
- [32] Nikolaev P, Bronikowski M J, Bradley R K, Rohmund F, Colbert D T, Smith K A and Smalley R E 1999, *Chem. Phys. Lett.* 31391.
- [33] Bronikowski M. J., Willis P.A., Colbert D.T., Smith K.A. and Smalley R.E. 2001, *J. Vac. Sci. Technol. A* 19 1800.

- [34] O.M. Kuttel, O. Groening, C. Emmenegger, L. Schlapbach, *Appl. Phys.Lett.* 73, 2113 (1998).
- [35] Z.F. Ren, Z.P. Huang, J.W. Xu, J.H. Wang, P. Bush, M.P. Siegal, P.N.Provencio, *Science* 282, 1105 (1998).
- [36] M. José-Yacamán, M. Miki-Yoshida,L. Rendón, J.G. Santiesteban. *Appl. Phys. Lett.* 62, 657 (1993).
- [37] Ph. Mauron, Ch. Emmenegger, A. Züttel, Ch. Nützenadel, P. Sudan, L. Schlapbach, *Carbon* 40, 1339 (2002).
- [38] M. Yudasaka, R. Kikuchi, Y. Ohki, E. Ota, S. Yoshimura, *Appl. Phys.Lett.* 70, 1817 (1997).
- [39] H. Ago, T. Komatsu. S. Ohshima, Y. Kuriki, M. Yumura, *App. Phys.Lett.* 77, 79 (2000).
- [40] สุริชัย ชัยสิทธิ์ศักดิ์, จิตี หนูแก้ว. “งานวิจัยการสังเคราะห์คาร์บอนนาโนทิวป์โดยวิธี CVD” LAB. TO DAT. ปีที่46,สิงหาคม2546. หน้า 14-20.
- [41] I. M.Watt, *The principles and practice of electron microscopy* (Cambridge University Press, 1nd Edition, 1985).
- [42] Takuya Hayashi, Hiroyuki Muramatsu, Yoong Ahm Kim, Hiroshi Kajitani, Shinji Imai, Hideyuki Kawakami, Masamitsu Kobayashi, Toshiharu Matoba, Morinobu Endo, Mildred S. Dresselhaus, TEM image simulation study of small carbon nanotubes and carbon nanowire, *Carbon* 44 (2006) 1130–1136.
- [43] Characterization methods of carbon nanotubes: a review, T. Belin, F. Epron, *Materials Science and Engineering B* 119 (2005) 105–118.
- [44] A Jorio, M A Pimenta1, A G Souza Filho, R Saito, G Dresselhaus and M S Dresselhaus. Characterizing carbon nanotube samples with resonance Raman scattering, *New Journal of Physics*5 (2003) 139.1–139.17 (<http://www.njp.org/>)
- [45] R. Saito, A. Jorio, J. H. Hafner, C. M. Lieber, M. Hunter, T. McClure, G. Dresselhaus, and M. S. Dresselhaus, Chirality-dependent G-band Raman intensity of carbon nanotubes, *PHYSICAL REVIEW B, VOLUME* 64, 085312.
- [46] M.S. Dresselhaus , G. Dresselhaus , A. Jorio , A.G. Souza Filho , R. Saito, R aman spectroscopy on isolated single wall carbon nanotubes, *Carbon* 40 (2002) 2043–2061.
- [47] M.S. Dresselhaus, G. Dresselhaus, R. Saito, A. Jorio, Raman spectroscopy of carbon nanotubes, *Physics Reports* 409 (2005) 47–99.
- [48] M.S. Dresselhaus, A. Jorio, A.G. Souza Filho, G. Dresselhaus, R. Saito, Raman spectroscopy on one isolated carbon nanotube, *Physica B* 323 (2002) 15–20.

- [49] Xinluo Zhao, Yoshinori Ando, Lu-Chang Qin, Hiromichi Kataura, Yutaka Maniwa, Riichiro Saito, Radial breathing modes of multiwalled carbon nanotubes, *Chemical Physics Letters* 361 (2002) 169–174.
- [50] Y.Murakami, S.Maruyama, *Chemical Physics Letters*, **374**(2003) 53-58.