

เอกสารอ้างอิง

- [1] Buakamsri, T. Thailand's Air: Poison Cocktail. Campaign for Alternative Industry Network (CAIN), 2005.
- [2] Peter, J., and Harris, F. Carbon nanotubes and related structures. Cambridge University, 1999.
- [3] Li, J. R., Xu, J. R., Zhang, M. Q. and Rong, M. Carbon black/polystyrene composites as candidates for gas sensing materials. **Carbon** 41 (2003): 2353–2360
- [4] Zhang, B., Fu, R.W., Zhang, M. Q, Donga, X. M., Lana, P. L., and Qiu, J. S. Preparation and characterization of gas-sensitive composites from multi-walled carbon nanotubes/polystyrene. **Sensors and Actuators B**. 109 (2005): 323–328.
- [5] Paradise M. and T. Goswami. Carbon nanotubes – Production and industrial applications. **Materials Design**. 28 (2007): 1477-1489.
- [6] O' Connell. M., Carbon nanotubes : properties and applications, United States of America, CRC Press Taylor & Francis Group, 2006.
- [7] See C.H. and A.T. Harris. A Review of Carbon Nanotube Synthesis via Fluidized-Bed Chemical Vapor Deposition. **Industrial and Engineering Chemistry Research** 46 (2007): 997-1012.
- [8] ทรงพล กาญจนชูชัย, นาโนอิเล็กทรอนิกส์เบื้องต้น, พิมพ์ครั้งที่ 1 สำนักพิมพ์แห่งจุฬาลงกรณ์มหาวิทยาลัย, 2550.
- [9] Nagaraju, N., A. Fonseca, Z. Konya and J.B. Nagy. Alumina and silica metal catalysts for the production of carbon nanotubes. **Journal of molecular catalysis A: Chemical**. 181 (2002): 57-62.
- [10] Zhang, H., E. Liang, P. Ding, M. Chao. Layered growth of aligned carbon nanotube arrays by pyrolysis. **Physica B**. 337 (2003): 10–16.
- [11] Tokoro, H., S. Fujii and T. Oku, Iron nanoparticles coated with graphite nanolayers and carbon nanotube. **Diamond and Related Materials**. (2004): 1270–1273.
- [12] Lu, Y., Z. Zhua and Z. Liu. Carbon-encapsulated Fe nanoparticles from detonation-induced pyrolysis of ferrocene. **Carbon**. 43 (2005): 369–374.
- [13] Kim, H. and W. Sigmund. Iron nanoparticles in carbon nanotubes at various temperatures. **Crystal Growth**. 276 (2005): 594–605.

- [14] Gulino, G., et al. C_2H_6 as an active carbon source for large scale synthesis of carbon nanotubes by chemical vapour deposition. **Applied Catalysis**. 279 (2005): 89-97.
- [15] Zhao, N., C. He, Z. Jiang, J. Li. and Y. Li. Fabrication and growth mechanism of carbon nanotubes by catalyticchemical vapor deposition. **Materials Letter**. 60 (2006): 159–163.
- [16] Charinpanitkul, T., N. Sano, P. Puengjinda, J. Klanwan, N. Akrapattangkul and W. Tanthapanichakoon. Naphthalene as an alternative carbon source for pyrolytic synthesis of carbon nanostructures. **Journal of Analytical and Applied Pyrolysis**. 86 (2009): 386-390.
- [17] Skakalova, V., Weglikowska, U. D. and Roth, S. Electrical and mechanical properties of nanocomposites of single wall carbon nanotubes with PMMA. **Synthetic Metals**. 152 (2005): 349-352.
- [18] Jia, Z., Wang, Z., Xu, C., Liang, J., Wei, B., Wu, D., and Zhu, S. Study on poly(methyl methacrylate):carbon nanotube composites. **Materials Science and Engineering A**. 271 (2006): 395–400.
- [19] Li, Y., Wang, H. C. and Yang, M. J. n-Type gas sensing characteristics of chemically modified multi-walled carbon nanotubes and PMMA composite. **Sensors and Actuators B**. 121 (2007): 167-172.
- [20] Niu, L., Luo, Y., and Li, Z. A highly selective chemical gas sensor based on functionalization of multi-walled carbon nanotubes with poly(ethylene glycol). **Sensors and Actuators B**. 126 (2007): 361–367.
- [21] Quang, N. H., Trinh, M. V., Lee, B. H. and Huh, J. S. Effect of NH_3 gas on the electrical properties of single-walled carbon nanotube bundles. **Sensors and Actuators B**. 113 (2006): 341–346.
- [22] Suehiro, J., Sano, N., Zhou, G., Imakiire, H., Imasaka, K. and Hara, M. Application of dielectrophoresis to fabrication of carbonnanohorn gas sensor. **Journal of Electrostatics**. 64 (2006): 408–415.
- [23] Bittencourt, C., et al. WO_3 films modified with functionalised multi-wall carbon nanotubes: Morphological, compositional and gas response studies. **Sensors and Actuators B**. 115 (2006): 33-41.
- [24] Ionescu, R., E.H. Espinosa, E. Sotter, E. Llobet, X. Vilanova, X. Correig, A. Felten, C. Bittencourt, G. Van Lier, J.C. Charlier and J.J. Pireaux. Oxygen functionalisation of MWNT and their use as gas sensitive thick-film layers. **Sensors and Actuators B**. 113 (2006): 36–46.

- [25] Sperling, L.H. Introduction to physical polymer science. Forth edition, Wiley, 2006.
- [26] Burke, J. Solubility Parameters: Theory and Application. Appeared in: the AIC Book and Paper Group Annual, Volume 3, 1984.
- [27] Hansen, C. M. Hansen Solubility Parameter: a user's handbook. CRC, 2000.
- [28] Koo, J. H. Polymer_Nanocomposites. McGraw-Hill, 2006.



