

參考文獻

- Bacsa, R. R., Laurent, C., Peigney, A., Bacsa, W. S., Vaugien, T. and Rousset, A. (2000) High specific surface area carbon nanotubes from catalytic chemical vapor deposition process, *Chemical Physics Letters*, Vol.323, 566-571.
- Brossa, L., Marcé, R. M., Borrull, F. and Pocurull, E. (2002) Application of on-line solid-phase extraction–gas chromatography–mass spectrometry to the determination of endocrine disruptors in water samples, *Journal of Chromatography A*, Vol.963, 287-294.
- Brossa, L., Marcé, R. M., Borrull, F. and Pocurull, E. (2003) Determination of endocrine-disrupting compounds in water samples by on-line solid-phase extraction–programmed-temperature vaporisation–gas chromatography–mass spectrometry, *Journal of Chromatography A*, Vol.998, No.1-2, 41-50.
- Cai, Y. Q., Jiang, G. B., Liu, J. F. and Zhou, Q. X. (2003a) Multi-walled carbon nanotubes packed cartridge for the solid-phase extraction of several phthalate esters from water samples and their determination by high performance liquid chromatography, *Analytica Chimica Acta*, Vol.494, 149-156.
- Cai, Y. Q., Jiang, G. B., Liu, J. F. and Zhou, Q. X. (2003b) Multiwalled carbon nanotubes as a solid-phase extraction adsorbent for the determination of bisphenol A, 4-n-Nonylphenol, and 4-tert-Octylphenol, *Analytical Chemistry*, Vol.75, 2517-2521.
- Calafat, A. M., Slakman, A. R., Silva, M. J., Herbert, A. R. and Needham, L. L. (2004) Automated solid phase extraction and quantitative analysis of human milk for 13 phthalate metabolites, *Journal of Chromatography B*, Vol.805, 49-56.
- Dillon, A. C., Jones, K. M., Bekkedahl, T. A., Kiang, C. H., Bethunem, D. S. and Heben, M. J. (1997) Storage of hydrogen in single-walled carbon nanotubes, *Nature*, Vol.386, 377-379.
- Dujardin, E., Ebbesen, T. W., Krishnan, A. and Treacy, M. J. (1998) Wetting of Single Shell Carbon Nanotubes, *Advanced Materials*, Vol.10, No.17, 1472-1475.
- Dujardin, E., Ebbesen, T. W., Hiura, H. and Tanigaki, K. (1994) Capillarity and wetting of carbon nanotube, *Science*, Vol.265, 1850-1852.
- Ebbesen, T. W. (1996) Wetting, filling and decorating carbon nanotubes, *Journal of Physics and Chemistry of Solids*, Vol.57, No.6-8, 951-955.
- Esumi, K., Ishigami, M., Nakajima, A., Sawada, K. and Honda, H. (1995) Chemical treatment of carbon nanotubes, *Carbon*, Vol.34, No.2, 279-281.
- Eswaramoorthy, M., Sen, R. and Rao, C. N. R. (1999) A study of micropores in single-walled carbon nanotubes by the adsorption of gases and vapors, *Chemical Physics Letters*, Vol.304, No.3-4, 207-210.
- Fujiwara, A., Ishii, K., Suematsu, H., Kataura, H., Maniwa, Y. and Suzuki, S. (2001) Gas adsorption in the inside and outside of single-walled carbon nanotubes, *Chemical physics letters*, Vol.336, 205-211.

- Hilding, J. M. and Grulke, E. A. (2004) Heat of Adsorption of Butane on Multiwalled Carbon Nanotubes, *Journal of Physical Chemistry B*, Vol.108, 13688-13695.
- International Technology Roadmap for Semiconductors (ITRS) 2005 Update. *Semiconductor Industry Association*. (2005)
- Kang, Y. H., Den, Walter., Bai, H. L. and Ko, F. H. (2005) Direct quantitative analysis of phthalate esters as micro-contaminants in cleanroom air and wafer surfaces by auto-thermal desorption-gas chromatography-mass spectrometry, *Journal of Chromatography A*, Vol.1070, No.1-2, 137-145.
- Kiso, Y., Kon, T., Kitao, T. and Nishimura, K. (2001) Rejection properties of alkyl phthalates with nanofiltration membranes, *Journal of Membrane Science*, Vol.182, 205-214.
- Kumar, A., Camenzind, M. J. and Chargin Jr, C. J. (2000) Identifying organic contaminants in ultrapure water at sub-parts-per-billion levels, *Ultrapure Fluids*, Sunnyvale, CA: Balazs Analytical Laboratory.
- Lee, M. R. and Hwang, B. H. (1998) Solid-phase extraction, *Chemistry*, Vol.56, 319-326.
- Li, Q. L. and Yuan, D. X. (2003a) Evaluation of multi-walled carbon nanotubes as gas chromatographic column packing, *Journal of Chromatography A*, Vol.1003, 203-209.
- Li, Y. H., Ding, J., Luan, Z. K., Di, Z. C., Zhu, Y. F., Xu, C. L., Wu, D. H. and Wei, B. Q. (2003b) Competitive adsorption of Pb^{2+} , Cu^{2+} and Cd^{2+} ions from aqueous solutions by multiwalled carbon nanotubes, *Carbon*, Vol.41, 2787-2792.
- Li, Y. H., Wang, S. G., Luan, Z. K., Ding, J., Xu, C. L. and Wu, D. H. (2003c) A dsorption of cadmium (II) from aqueous solution by surface oxidized carbon nanotubes, *Carbon*, Vol.41, 1057-1062.
- Li, Q. L., Yuan, D. X. and Lin, Q. M. (2004) Evaluation of multi-walled carbon nanotubes as an adsorbent for trapping volatile organic compounds from environmental samples, *Journal of Chromatography A*, Vol.1026, No.1-2, 283-288.
- Li, Y. H., Wang, S. G., Cao, A. Y., Zhao, D., Zhang, X. F., Xu, C. L., Luan, Z. K., Liang, J., Wu, D. H. and Wei, B. Q. (2001) Adsorption of fluoride from water by amorphous alumina supported on carbon nanotubes, *Chemical Physics Letters*, Vol.350, 412-416.
- Li, Y. H., Wang, S. G., Wei, J. G., Zhang, X. F., Xu, C. L., Luan, Z. K., Wu, D. H. and Wei, B. Q. (2002) Lead adsorption on carbon nanotubes, *Chemical Physics Letters*, Vol.357, 263-266.
- Li, Y. H., Di, Z. C., Ding, J., Wu, D. H., Luan, Z. K. and Zhu, Y. Q. (2005) Adsorption thermodynamic, kinetic and desorption studies of Pb^{2+} on carbon nanotubes, *Water Research*, Vol.39, 605–609.
- Liang, P., Liu, Y., Guo, L., Zeng, J. and Lu, H. B. (2004) Multiwalled carbon nanotubes as solid-phase extraction adsorbent for the preconcentration of trace metal ions and their determination by inductively coupled plasma atomic emission spectrometry, *Journal of Analytical Atomic Spectrometry*, Vol.19, 1489 -1492.

- Long, R. Q. and Yang, R. T. (2001) Carbon Nanotubes as Superior Sorbent for Dioxin Removal, *Journal of American Chemical Society*, Vol.123, 2058-2059.
- Lu, C., Chung, Y. L. and Chang, K. F. (2005) Adsorption of trihalomethanes from water with carbon nanotubes, *Water Research*, Vol.39, No.6, 1183-1189.
- Long, R. Q. and Yang, R. T. (2001) Carbon nanotubes as superior sorbent for dioxin removal, *Journal American Chemical Society*, Vol.123, 2058.
- Lu, C., Chung, Y. L. and Chang, K. F. (2005) Adsorption of trihalomethanes from water with carbon nanotubes, *Water Research*, Vol.39, No. 6, 1183-1189.
- Mader, B. and Pankow, J. (2001) Gas/solid partitioning of semivolatile organic compounds (SOCs) to air filters. 3. An analysis of gas adsorption artifacts in measurements of atmospheric SOCs and organic carbon (OC) when using teflon membrane filters and quartz fiber filters, *Environmental Science & Technology*, Vol.35, No.17, 3422-3432.
- Naguib, N., Ye, H., Gogotsi, Y., Yazicioglu, A. G., Megaridis, C. M., and Yoshimura, M. (2004) Observation of water confined in nanometer channels of closed carbon nanotubes, *Nano letters*, Vol.4, No.11, 2239-2243.
- Peigney, A., Laurent, C., Flahaut, E., Bacsa, R. R. and Rousset, A. (2001) Specific surface area of carbon nanotubes and bundles of carbon nanotubes, *Carbon*, Vol.39, 507-514.
- Peng, X. J., Li, Y. H., Luan, Z. K., Di, Z. H., Wang, H. G., Tian, B. H. and Jia, Z. P. (2003) Adsorption of 1, 2-dichlorobenzene from water to carbon nanotubes, *Chemical Physics Letters*, Vol.376, 154-158.
- Peng, X. J., Luan, Z. K., Di, Z. H., Zhang, Z. G. and Zhu, C. L. (2005a) Carbon nanotubes-iron oxides magnetic composites as adsorbent for removal of Pb (II) and Cu(II) from water, *Carbon*, Vol.43, No.4, 880-883.
- Peng, X. J., Luan, Z. K., Ding, J., Di, Z. H., Li, Y. H. and Tian, B. H. (2005b) Ceria nanoparticles supported on carbon nanotubes for the removal of arsenate from water, *Materials Letters*, Vol.59, 399-403.
- Saridara, C., Brukh, R., Iqbal, Z and Mitra, S. (2005) Preconcentration of volatile organics on self-assembled, carbon nanotubes in a microtrap, *Analytical Chemistry*, Vol.77, 1183-1187.
- Silva, M. J., Slakman, A. R., Reidy, J. A., Preau Jr, J. L., Herbert, A. R., Samandar, E., Needham, L. L. and Calafat, A. M. (2004) Analysis of human urine for fifteen phthalate metabolites using automated solid-phase extraction, *Journal of Chromatography B*, Vol.805, 161-167.
- Staples, C. A., Peterson, D. R ., Parkerton, T. F. and Adams, W. J. (1997) The environmental fate of phthalate esters: a literature review, *Chemosphere*, Vol.35, No.4, 667-749.
- Sumanasekera, G. U., Pradhan, B. K., Romero, H. E., Adu, K. W. and Eklund, P. C. (2002) Giant thermopower effects from molecular physisorption on carbon Nanotubes, *Physical review letters*, Vol.89, 166801(1) - 166801(4).

Sun, J. and Gao, L. (2003) Development of a dispersion process for carbon nanotube in ceramic matrix by heterocoagulation, *Carbon*, Vol.41, 1063-1068.

Takaba, H., Katagiri, M., Kubo, M., Vetrivel, R. and Miyamoto, A. (1995) Molecular design of carbon nanotube for the separation of molecules, *Microporous materials*, Vol.3, 449-455.

Takahagi, T., Shingubara, S., Sakaue, H., Hoshino, K. and Yashima, H. (1996) Study on adsorption behavior of organic contaminations on silicon surface by gas chromatography/mass spectrometry, *Japanese Journal of Applied Physics*, Vol.35, L818-L821.

Thomsen, M., Carlsen, L. and Hvidt, S. (2001) Solubilities and surface activities of phthalates investigated by surface tension measurement, *Environmental Toxicology and Chemistry*, Vol.20, No.1, 127–132.

Tsang, S. C., Chen, Y. K. and Harris, P. J. (1994) A simple chemical method of opening and filling carbon nanotubes, *Nature*, Vol.372, 159.

Ugarte, D., Stöckli, T., Bonard, J. M., Châtelain, A and de Heer, W. A. (1998) Filling carbon nanotubes, *Applied Physics A: Materials Science & Processing*, Vol. 67, No. 1, 101.

Williams, K. A. and Eklund, P. C. (2000) Monte carlo simulations of H₂ physisorption in finite-diameter carbon nanotube ropes, *Chemical Physics Letters*, Vol.320, 352-358.

Yang, Q. H., Hou, P. X., Bai, S., Wang, M. Z. and Cheng, H. M. (2001) Adsorption and capillarity of nitrogen in aggregated multi-walled carbon nanotubes, *Chemical physics letters*, Vol.345, 18-24.

Zhao, J., Lu, J. P., Han, J. and Yang C. K. (2003) Noncovalent functionalization of carbon nanotubes by aromatic organic molecules, *Applied Physics Letters*, Vol.82, 3746-3748.

廖建森、張碧芬、袁紹英，環境荷爾蒙—塑膠添加物(鄰苯二甲酸酯類)之環境流布，環境檢驗通訊雜誌第 38 期，2001。

柳家瑞，環境荷爾蒙的化學檢測方法發展現況，環境檢驗通訊雜誌第 31 期，2000。

勞工安全衛生研究所，分析方法資料庫，採樣分析方法通則。

環保署環境檢驗所，鄰苯二甲酸酯類檢測方法-氣相層析儀/電子捕捉偵檢器法，NIEA R811.21C，2002。

美國環保署，鄰苯二甲酸酯類檢測方法，EPA Method 606-PHTHALATE ESTER。

丁志華、戴寶通，半導體廠超純水簡介，毫微米通訊，第七卷第四期，31-39，2000。

劉信旺、吳倍任、羅俊光，空氣中揮發性有機化合物分析方法，*Chemistry (The Chinese Chem. Soc., Taipei)*, Vol.62, No.3, 377-386, 2004.

成會明，奈米碳管，五南圖書出版股份有限公司，2004。

蔡正國、謝淑惠、洪肇嘉，奈米碳管/氧化鋁(CNTs/Al₂O₃)吸附鉛及其他重金屬之效果探討，第一屆環境保護與奈米科技學術研討會，2004。

陳佳飛，食品容器及包裝用塑膠材質之塑化劑溶出研究，碩士論文，國立陽明大學環境衛生研究所，2002。

