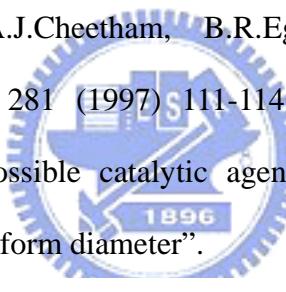


參考文獻

- 1 Bachtold, Adrian, Christoph Strunk, Jean-Paul Salvat,Jean-Marc Bonard, Laszlo Forro , Thomas Nussbaumer & Christian Schonenberger, Nature, 397 (1999) 673-675, "Aharonov-Bohm oscillations in carbon nanotubes".
- 2 Bethune, D. S., C. H. Kiang, M. S. deVries, G. Gorman, R. Savoy, J. Vazquez and R. Beyes, Nature, 363 (1993) 605-607, "Cobalt-catalyzed growth of carbon nanotubes with single-atomic layer walls".
- 3 Burkett, P.R., A.J.Cheetham, B.R.Eggen, J.P.Hare, H.W.Kroto, Chemical Physics Letter, 281 (1997) 111-114,"Transition metal surface decorated fullerenes as possible catalytic agents for the creation of single walled nanotubes of uniform diameter".

- 4 Cassell, Alan M., Jeffrey A. Raymakers, Jing Kong, and Hongjie Dai, J. Phys. Chem. B 103 (1999) 6484-6492,"Large Scale CVD Synthesis of Single-Walled Carbon Nanotubes".
- 5 Dai, H., , A. G. Rinzler, P.Nikolaev,A.thess,D. T. Colber, and R. E. Smalle, Chem. Phys. Lett., 260(1996)471-475, "Single-walled nanotubes produced by metal catalyzed disproportionation of carbon monoxide".
- 6 Dai, H., J. H. Hafner, A. G. Rinzler, D. T. Colber, and R. E. Smalley, Nature, 384 (1996) 147-150, "Nanotubes as nanoprobes in scanning probe

- microscopy”.
- 7 Dresselhaus, M. S., G. Dresselhaus, P. C. Eklund, “Science of Fullerenes and Carbon Nanotubes” (Academic Press, New York, 1996), P.756
- 8 Dresselhaus,M.S., G. Dresselhaus, A.Jorio, A.G.Souza Filho , M.A.Pimentaand, R.saito, Acc.Chem.Res,35 (2002)1070-1078, ”Single Nanotube Raman Spectroscopy”.
- 9 Dan Zhou, Supapan Seraphin, and Su Wang, Appl. Phys. Lett., 65(1994)1594-1595,” Single-walled carbon nanotubes growing radially from YC_2 particles”
- 10 Gorbunov, A., O. Jost , W. Pompe , A. Graff, Carbon, 40 (2002) 113–118,” Solid–liquid–solid growth mechanism of single-wall carbon Nanotubes”.
- 11 Gavillet, J., A. Loiseau, C. Journet, F. Willaime, F. Ducastelle, and J.-C.Charlier, Physical Review Letters,87 (2001) 275504-1~275504-4, ” Root-Growth Mechanism for Single-Wall Carbon Nanotubes”.
- 12 Guillard, Tony, Journal of Solar Energy Engineering, 124 (2002) 22-27,” Scale up of a Solar Reactor for Fullerene and Nanotube Synthesis”.
- 13 Hamada, N., S. I. Sawada, and A. Oshiyama, Phy. Rev. Lette., 68 (1992) 1579-1581, “New one-diamensional conductors: graphitic microtubules”.
- 14 Hsua, Chih Ming, Chao Hsun Lin, Hong Jen Lai, Cheng Tzu Kuo, Thin Solid

Films ,471 (2005) 140– 144,” Root growth of multi-wall carbon nanotubes by MPCVD”.

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

16 Kaatza, F.H., M.P. Siegal, D.L. Overmyer, P.P. Provencio, J.L. Jackson, Materials Science and Engineering C ,23 (2003) 141–146, “Diameter control and emission properties of carbon nanotubes grown using chemical vapor deposition”

17 Kato, Toshiaki , Goo-Hwan Jeong , Takamichi Hirataa, Rikizo Hatakeyama ,Kazuyuki Tohji ,and Kenichi Motomiya ,Chemical Physics Letters, 381(2003) 422-426,”Single-walled carbon nanotubes produced by plasma-enhanced chemical vapor deposition”.

18 Lacerda, R. G., K. B. K. Teo, A. S. Teh, M. H. Yang, S. H. Dalal, D. A. Jefferson,J. H. Durrell, N. L. Rupesinghe, D. Roy, G. A. J. Amaratunga, and W. I. Milne, Journal of Applied Physics, 96(2004)4456-4462,” Thin-film metal catalyst for the production of multi-wall and single-wall carbon nanotubes”.

19 McGuire,G.E.,Schweiter,G.K.K.,Carlson.T.A.Inorg.Chem.12(1973)2451

20 Nefedov,V.I., J. Electron Spectrosc.Relat.phenom.25, (1982) 29

21 Odom, T. W., J. L. Huang, P. Kim, and C. M. Lieber, Nature, 391 (1998)

62-64, “Atomic structure and electronic properties of single-walled carbon nanotubes“.

22 Okazaki, Toshiya, Hisanori Shinohara, Chemical Physics Letter, 376 (2003) 606-611”Synthesis and characterization of single-wall carbon nanotubes by hot-filament assisted chemical vapor deposition”.

23 Patterson, T.A., Carver, J.C., Leyden, D.E., Hercules, D.M., J.Phys.Chem., 80, (1976) 1702

24 Raravikar, Nachiket R., Pawel Kebinski, Apparao M. Rao, 2 Mildred S. Dresselhaus, Linda S. Schadler, and Pulickel M. Ajayan¹, PHYSICAL REVIEW B, 66(2002)235424-1~235424-9, ”Temperature dependence of radial breathing mode Raman frequency of single-walled carbon nanotubes”



25 Rao, A. M., E. Richter, Shunji Bandow, Bruce Chase, P. C. Eklund, K. A. Williams, S. Fang, K. R. Subbaswamy, M. Menon, A. Thess, R. E. Smalley, G. Dresselhaus, and M. S. Dresselhaus, science, 275(1997)187-191, ”Diameter -Selective Raman Scattering from Vibrational Modes in Carbon Nanotubes”

26 Spint, C. A., I. Brodie, L. Humphrey, and E. R. Westerberg, J. Appl. Phys. 47 (1976) 5248-5263, “Physical properties of thin film field emission cathodes with molybdenum cones”.

27 Sun, Y. , C.Z. Gu , W. Liu , and Z.S. Jin , Diamond and Related Materials, 13 (2004) 1187-1190, ”Carbon nanotubes synthesized by CVD method on Au/Ni films and the field emission properties”.

- 28 Saito, Yahachi, Mitsumasa Okuda, Naoya Fujimoto Tadanobu Yoshikawa, Masato Tomita, and Takayoshi Hayashi, Jpn. J. Appl. Phys., 33 (1994)L526-L529,"Single-wall carbon nanotubes growing radially from Ni fine particles formed by arc evaporation".
- 29 Treacy, M.M., Ebbesen, T.W., Gibson, J.M., .Nature ,38(1996) 678."Exceptionally high Young's modulus observed for individual carbon nanotubes".
- 30 Tang, S., Z. Zhong, Z. Xiong .Sun, J .Lin ,Z.X.Shen, K.L.Tan, Chem.Phys.Lett.,350(2001)19-26,"Controlled growth of single-walled carbon nanotubes by catalytic decompositistion of CH₄ over Mo/Co/Mo catalyst".
- 31 Tuinstra ,F., and J.L.Koenig, The journal of chemical, 53 (1970) 1126-1130, "Raman Spectrum of Graphite".
- 32 Teresa de los Arcos , M. Gunnar Garnier, Peter Oelhafen,Daniel Mathys , Jin Won Seo , Concepcion Domingo ,Jose Vicente Garcia -Ramos , Santiago Sanchez-Cortes, Carbon,42 (2004) 187-190,"Strong influence of buffer layer type on carbon nanotube characteristics".
- 33 Thess, Andreas; Lee, Roland; Nikolaev, Pavel; Dai, Hongjie Science,273(1996)483-487" Crystalline ropes of metallic carbon nanotubes".
- 34 Wal, Randall L. Vander ,Thomas M. Ticich and Valerie E. Curtis, J. Phys. Chem. A, 104 (2000) 7209-7217," Flame Synthesis of Metal-Catalyzed Single-Wall Carbon Nanotubes".

- 35 Wildoer, Jeroen W. G., Liesbeth C. Venema, Andrew G. Rinzler, Richard E. Smalley, Cees Dekker, Nature, 391 (1998) 60-62 " Electronic structure of atomically resolved carbon nanotubes".
- 36 Wang, N., Z. K. Tang, G. D. Li, J. S. Chen, Nature, 408, (2000), 51.
- 37 Wang,Z.L., P.Poncharal, and W.A.de Heer, J.phys.chem.solid,61 (2000) 1025-1030, "Measuring physical and mechanical properties of individual carbon nanotubes by in situ TEM".
- 38 Yoon ,Young Joon, Jun Cheol Bae, Hong Koo Baik, Seong Jin Cho, Se-Jong Lee, Kie Moon Song, and No Seung Myung, Physica B ,323 (2002) 318–320," Nucleation and growth control of carbon nanotubes in CVD process".
- 39 Zhang, Ruth Y., Islamshah Amlani, Jeff Baker, John Tresek, and Raymond K. Tsui , Nano letter, 3 (2003) 731-735," Chemical Vapor Deposition of Single-Walled Carbon Nanotubes Using Ultrathin Ni/Al Film as Catalyst".
- 40 Zhou,Dan, Supapan Seraphin, and Su Wang, Appl. Phys. Lett., 65(1994)1594-1595," Single-walled carbon nanotubes growing radially from YC_2 particles".
- 41 Zhu, Shen, Ching-Hua Su, J.C. Cochrane, S. Lehoczky, Y. Cui, A. Burger, Journal of Crystal Growth ,234 (2002) 584–588," Growth orientation of carbon nanotubes by thermal chemical vapor deposition".

42 郭正次，朝春光 編著，“奈米結構材料科學”（全華科技圖書股份有限公司，2004），P.9-10~P.9-14

43 張惠林,交大材料所博士論文，“含Si,N之碳基晶體及奈米結構材料之合成及其鑑定”，2002.

44 成會明，“奈米碳管”(五南圖書出版公司,2004)

45 汪建民，“材料分析”(中國材料科學學會,1998)

46 孫逸民等,”儀器分析”(全威圖書有限公司,1997),P.275-283

