

## 參考資料：

- [1]IBM J. RES. & DEV. **45**, pp. 11, 2001.
- [2]F. Ebisawa, T. Kurokawa, and S. Nara, J. Appl. Phys. **54**, pp. 3255-3259, 1983.
- [3]F. Garnier, G. Horowitz, X. Z. Peng, D. Fichou. Adv. Mater. **2**, pp. 592-594, 1990.
- [4]S. Young Park, Young H. Noh, and Hong H. Lee, Appl. Phys. Lett. **88**, pp. 113503, 2006.
- [5] A.Tsumura, H. Koezuka, T. Ando, Appl. Phys. Lett. **49**, pp. 1210, 1986.
- [6] A.Assadi, C. Svensson, M. Willander, O. Ingans, Appl. Phys. Lett. 1988.
- [7] J. Paloheimo, E. Punkka, H. Stubb, P.Kuivalainen, in Lower Dimensional Systems and Molecular Devices, Proceedings of NATO ASI, Spetses, Greece (Ed: R. M. Mertzger), Plenum, New York 1989.
- [8] Z. Bao, A. Dodabalapur, A. J. Lovinger, Appl. Phys. Lett. **69**, pp. 4108, 1996.
- [9] H. Sirringhaus, N. Tessler, R. H. Friend, Science, **280**, pp. 1741, 1998.
- [10] F. Ebisawa, T. Kurokawa, S. Nara, J. Appl. Phys., **54**, pp. 3255, 1983.
- [11] J. H. Burroughes, C. A. Jones, R. H. Friend, Nature, **335**, pp. 137, 1988.
- [12] H. Fuchigami, A. Tsumura, H. Koezuka, Appl. Phys. Lett., **63**, pp. 1372, 1993.
- [13] F. Garnier, A. Yassar, R. Hajlaoui, G. Horowitz, F. Deloffre, B. Servet, s. Ries, P. Alnot, J. Am. Chem. Soc., **115**, pp. 8716, 1993.
- [14] B.Servet, G. Horowitz, S. Ries, O. Lagorsse, P. Alnot, A. Yassar, F. Deloffre, P. Srivastava, R. Hajlaoui, P. Lang, F. Garnier, Chem. Mater., **6**, pp. 1809, 1994.
- [15] A. Dodabalapur, L. Torsi, H. E. Katz, Science, **268**, pp. 270, 1995.
- [16] L. Torsi, A. Dodabalapur, A. J. Lovinger, H. E. Katz, R. Ruel, D. D. Davis,

- K. W. Baldwin, Chem. Mater., **7**, pp. 2247, 1995.
- [17] C. D. Dimitrakopoulos, B. K. Furman, F. Graham, S. Hegde, S. Purushothaman, Synth. Met. **2**, 1998.
- [18] H. E. Katz, L. Torsi, A. Dodabalapur, Chem. Mater., **7**, pp. 2235, 1995.
- [19] R. Hajlaoui, D. Fichou, G. Horowitz, B. Nessakh, M. Constant, F. Garnier, Adv. Mater., **9**, pp. 557, 1997.
- [20] R. Hajlaoui, G. Horowitz, F. Garnier, A. Arce-Brouchet, L. Laigre, A. Elkassmi, F. Demanze, F. Kouki, Adv. Mater., **9**, pp. 389, 1997.
- [21] J. H. Schn, C. Kloc, B. Batlogg, Org. Electron., **1**, pp. 57, 2000.
- [22] Y. Y. Lin, D. J. Gundlach, S. Nelson, T. N. Lett., **18**, pp. 606, 1997.
- [23] C. D. Dimitrakopoulos, A. R. Brown, A. Pomp, J. Appl. Phys., **80**, pp. 2501, 1996.
- [24] Y. Y. Lin, D. J. Gundlach, T. N. Jackson, 54th Annual Device Research Conference Digest 1996, p.80. 1991, 58, 1500
- [25] G. Horowitz, X. Peng, D. Fichou, F. Garnier, Synth. Met., **51**, pp. 419, 1992.
- [26] R. C. Haddon, A. S. Perel, R. C. Morris, T. T. M. Palstra, A. F. Hebard, R. M. Fleming, Appl. Phys. Lett., **67**, pp. 121, 1995.
- [27] J. Kastner, J. Paloheimo, H. Kuzmany, in Solid State Sciences(Eds:H. Huzmany, M. Mehring, J. Fink), Springer, New York 1993, pp. 515-521
- [28] G. Guillaud, M. Al Sadound, M. Maitrot, Chem. Phys. Lett., **167**, pp. 503, 1990.
- [29] Z. Bao, A. J. Lovinger, J. Brown, J. Am. Chem. Soc., **120**, pp. 207, 1998.
- [30] H. Fuchigami, A. Tsumura, H. Koezuka, Appl. Phys. Lett., **63**, pp. 1372, 1993.
- [31] A. R. Brown, D. M. de Leeuw, E. J. Lous, E. E. Havinga, Synth. Met., **66**, pp. 257, 1994.

- [32] E. M. Suuberg, J. Chem. Eng. Data, **43**, no. 3, pp. 486–492, 1998.
- [33] Morrison, Body, Organic Chemistry, sixth edition, pp. 502, 1992
- [34] A. R. Brown, C. P. Tarrett, D. M. de Leeuw and M. Matters, Synth. Met., **88**, pp.37-55,1997.
- [35] P. G. Le Comber and W. E. Spear, Phys. Rev. Lett., **25**, pp. 509-511, 1970.
- [36] G. Horowitz and P. Delannoy, J. Appl. Phys., **70**, pp. 469-475, 1991.
- [37] G. Horowitz, R. Hajlaoui and P. Delannoy, J. Phys. III, **5**, pp. 355-371, 1995.
- [38] A. R. Brown, D. M. de Leeuw, E. E. Havinga and A. Pomp , Synth. Met., **68**, pp. 65-70, 1994.
- [39] M. C. J. M. Vissenberg and M. Matters, Phys. Rev. B, **57**, pp. 12964-12967, 1998.
- [40] IBM J. RES. & DEV. **45**, pp. 3, 2001.
- [41] P. V. Necliudov, M. S. Shur, D. J. Gundlach, and T. N. Jackson, Solid-State Electron. **47**, pp. 259, 2003.
- [42] K. Seshadri and C. D. Frisbie, Appl. Phys. Lett. **78**, pp. 993, 2001.
- [43] N. Koch , A. Kahn, J. Ghijsen, J.-J. Pireaux, J. Schwartz, R. L. Johnson, and A. Elschner, Appl. Phys. Lett. **82**, pp. 70-73, 2003.
- [44] L. S. Hung, C. W. Tang, and M. G. Mason, Appl. Phys. Lett. **70**, pp. 152, 1997.
- [45] Chih-Wei Chu, Sheng-Han Li, Chieh-wei Chen, Vishal Shrotriya, and Yang Yang , Appl. Phys. Lett. **87**, pp. 193508, 2005.
- [46] Elvira M. C. Fortunato, Pedro M. C. Barquinha, Ana C. M. B. G. Pimentel, Alexandra M. F. Goncalves, Antonio J. S. Marques, Rodrigo F. P. Martins, and Luis M. N. Pereira, Appl. Phys. Lett. **85**, pp. 2541, 2004.
- [47] H. Q. Chiang, and J. F. Wager, R. L. Hoffman, J. Jeong and D. A. Keszler, Appl. Phys. Lett. **86**, pp. 013503, 2005.

[48]Patrick Gorrn, Michelle Sander, Jens Meyer, Michael Kroger, Eike Becker, Hans-Hermann Johannes, Wolfgang Kowalsky, and Thomas Riedl, *Adv. Mater.*, **18**, pp. 738, 2006.

[49]Jeong-M. Choi, D. K. Hwang, Jae Hoon Kim, and Seongil Im, *Appl. Phys. Lett.* **86**, pp. 123505, 2005.

[50]Jiyoul Lee, D. K. Hwang, Jeong-M. Choi, Kimoon Lee, Jae Hoon Kim, Ji Hoon Park, Eugene Kim and Seongil Im, , *Appl. Phys. Lett.* **87**, pp. 023504, 2005.

[51]D. K. Hwnag, Ji Hoon Park, Jiyoul Lee, Jeong-M. Choi, Jae Hoon Kim, Eugene Kim, and Seongil Im, *Electrochemical and Solid-State Letters*, **6**, pp.G140, 2005.

[52]M. A. Lampert, *Physical Review*, **103**, pp. 1648-1656, 1956.

[53]Sang Mi Cho, Seung Hoon Han, Jun Hee Kim, and Jin Jang, *Appl. Phys. Lett.* **88**, pp.071106, 2006.

