

REFERENCES

- [1] Eisenbach M, Weissmann C, Tanny G, Caplan S.R. FEBS Lett(1977) 81, 77-80
- [2] Min, J. Choi, H. G., Oh, B. K., Lee, W. H.; Pack, S. H.; Choi, J. W. Biosens. Bioelectron (2001) 16, 917-923
- [3] Miyasaka T, Koyama K, Itoh I. Science (1992) 255, 342-344
- [4] Birge RR. Annual Rev Phys Chem (1990b) 41, 683-733
- [5] Oesterhelt D, Brauchle C, Hampp N. Q Rev Biophys (1991) 24, 425-478
- [6] Oesterhelt D. FEBS Lett (1976) 64, 20-22
- [7] Furuno T. et al. Thin Solid Films (1988) 160, 145
- [8] Keszthelyi L. Biochim. Biophys. Acta (1980) 598, 429
- [9] Brizzolara R A. Biosystems (1995) 35, 137
- [10] Koyama K, Yamaguchi N and Miyasaka T. Science (1994) 265, 762
- [11] He J-A, Samuelson L, Li L, Kumar J and Tripathy S. K. Langmuir (1998) 14, 1674
- [12] Park M and Advincula R. Polymeric Mater. Sci. Eng. (2001) 84, 457.
- [13] Bao Fang Li, Yu Cheng Song, Jin Ru ki, Ji An Tang, Long Jiang. Colloids and Surfaces B (1995) 317-319
- [14] Hwang S. B., Korenbrot, J. I., Stoeckenius, W. J. Membr. Biol. (1977) 36, 115.
- [15] Ikonen, M. Peltonen, J., Vuorimaa, E., Lemmetyinen H. Thin Solid Films (1992) 213, 277
- [16] Flanagan, M. T. Thin Solid Films (1983) 99, 133-138
- [17] Mario Methot, Philippe Desmeules, David Vaknin, Francois Boucher, and Christian Salesse. Langmuir (2004) 20, 934-940

- [18] Ensminger, Peter A., *Life Under the Sun*, Yale University Press (2001)
- [19] Oesterhelt, D., Stoeckenius, W. *Nature: New biology* (1971) 233, 149–152
- [20] R.Henderson and P.N.T. Unwin. *Nature* (1975) 275, 28-31
- [21] Muller, D. J. Buldt, G., Engel, A. *Journal of Molecular Biology* (1995) 249, 239–243
- [22] Henderson, R., Baldwin, J. M., Ceska, T. A., Zemlin, F., Beckmann, E. and Downing, K.H. *J.Mol.Biol.* (1990) 213, 899-929
- [23] Grigorieff, N., Ceska, T. A., Downing K. H., Baldwin, J. M. and Henderson, R. *J.Mol.Biol.* (1996) 259, 393-421
- [24] Kimura, Y. Vassilyev, D. G., Miyazawa, A., Kidera, A., Matsushima, M., Mitsuoka, K., Murata, K., Hirai, T., and Fujiyoshi, Y. *Nature* (1997) 389, 206-211
- [25] Belrhali, H., Nollert, P., Royant, A., Menzel, C., Rosenbusch, J. P., Landau, E. M., Pebay-Peyroula, E. *Structure.Fold.Des* 7 (1999) 909-917.
- [26] Luecke, H. et al. *Science* (1999) 286, 255–261
- [27] Janos K. Lanyi *Biophysics Textbook* (2004)
- [28] Hampp N. *Nature* (1993) 366, 12.
- [29] Shen Y., Safinya C.R., Liang K.S., Ruppert A.F., Rothschild K.J. *Nature*(1993) 366, 4850.
- [30] Zeisel D, Hampp N. *EL.B.A. Forum Series*, Claudio Nicolini Ed., 2 (1996) 175-188.
- [31] N. A. Hampp. *Appl Microbiol Biotechnol* (2000) 53,633-639
- [32] Helmut Tributsch, 6th Euroconference on Solid State Ionic, Cetraro, Calabria, Italy, 1999.

- [33] Paolo Bertoncello , Davide Nicolini, Cristina Paternolli, Valter Bavastrello, and Claudio Nicolini IEEE Transactions On Nanobioscience, Vol. 2, No. 2, June 2003
- [34] P. Vengadesh , Wan Haliza Abdul Majid, S. Anandan Shanmugam, K.S. Low Organic Electronics (2006) 7, 300–304
- [35] Eroglu, I., Aydemif, A., Tiirkerb, L., Meral Yiicel, A. Journal of Membrane Science (1994) 86, 171–179.
- [36] Xu, J., Stickrath, A. B., Bhattacharya, P., Nees, J., Váró, G., Hillebrecht, J. R., Ren, L., Birge, R. R. Biophysical Journal (2003) 85, 1128–1134.
- [37] Miyasaka, T., Koyama, K., Itoh, I. Science (1992) 255, 342.
- [38] Saga, Y., Watanabe, T., Koyama, K., Miyasaka, T. The Journal of Physical Chemistry B. (1999) 103, 234–238
- [39] Marwan, W., Hegemann, P., Oesterhelt, D. Journal of Molecular Biology, (1988) 199(4), 663–664.
- [40] Sasabe, H., Furuno, T., Takimoto, K., Synthetic Metals, (1989) 28, 787–792.
- [41] Hong, F. T., Molecular and Biomolecular Electronics, (1994), 527–559.
- [42]. Birge, R. R., Fleitz, P. A., Gross, R. B., Izgi, J. C., Lawrence, A. F., Stuart, J. A., Tallent, J. R. 12th AIC of the IEEE Engineering in Medicine and Biology Society (1990) 12, 1788-1789.
- [43]. Song, Q. W., Zhang, C., Gross, R., Birge, R. R. Optics Letters, (1993) 18, 775–777
- [44] Bigelow, J. (ed.), The Complete Works of Benjamin Franklin, G.P. Putnam’s Sons, New York, 1887, Vol. V.
- [45] Pockels, A. Nature (1891) 43, 437–439.

- [46] Langmuir, I., J. Am. Chem. Soc. (1917) 39, 1848–1906
- [47] Blodgett, K. B., J. Am. Chem. Soc. (1935) 57, 1007–1020.
- [48] Michael C. Petty Cambridge University Press London 1966
- [49] Gaines, G. L. Jr., Interscience Publishers, New York, 1966.
- [50] Tensiometers and Langmuir–Blodgett Troughs: Operating Manual, Nima Technology, 5th edition, England, 1999.
- [51] Ashwell, G. A., Jackson, P. D. and Crossland, W. A. Nature (1994) 368, 438–440.
- [52] Biro, R. P. et al., J. Am. Chem. Soc., (1990) 112, 2498–2506.
- [53] V.Erokhin, P. Facci, A. Kononenko, G.Radicci, C.Nicolini. Thin Solid Films (1996) 284-285, 805-808
- [54] Mario Methot, Fraçois Boucher, Christian Salesse, Muriel Subirade, Michel Pezolet Thin Solid Films (1996) 284-285, 627-630.
- [55] Julie Boucher, Eric Trudel, Mario M´ethot, Philippe Desmeules, Christian Salesse, Colloids and Surfaces B: Biointerfaces (2007) 58, 73–90
- [56] Claudio Nicolini, Victor Erokhin, Sergio Paddeu and Marco Sartore The Fifth Foresight Conference on Molecular Nanotechnology
- [57] Junhong Mina, Hyun-Goo Choi, Jeong-Woo Choia, Won Hong Lee, Ui Rak Kim Thin Solid Films (1998) 327–329, 698–702
- [58] Yukihiro Sugiyama, Takakazu Inoue, Mineo Ikematsu, Masahiro Iseki, Tatsuhiko Sekiguchi, Thin Solid Films (1997) 310, 102-107
- [59] Howard H. Weetall, Lynne A., Samuelson D, Thin Solid Films (1998) 312
- [60] Alina Dudkowiak , Andrzej Biadasz, Adam Bartczak, Journal of Molecular Structure (2008) 887, 128–134

- [61] Kun Fang, Gang Zou, Pingsheng He, Xia Sheng, Chuanhua Lu, *Colloids and Surfaces* (2003) 224, 53 -63
- [62] Goodrich, F.C., 1957. In: Schulman, J.H. (Ed.), *Second International Congress on Surface Conductivity*, vol. I, Butterworth & Co., London, 85.
- [63] Gaines, G.L. Jr. *J. Colloid Inter. Sci* (1966). 21, 315.
- [64] Oesterhelt, D. and Stoeckenius W. In *Methods Enzymol* (1974) 31, 667.
- [65] J.Z.Zhang, Z.L. Wang, J. Liu, S. Chen, and G. Y. Liu, *Self Assembled Nanostructures*, Kluwer, Academic Publishers, (2002), 17-20
- [66] Clark, N.A, Rothschild K.J., Luippold D.A., Simon B.A. *Biophys. J.* (1980) 31, 65.
- [67] Jerome Baudry, Emad Tajkhorshid, Ferenc Molnar, James Phillips, and Klaus Schulten *J. Phys. Chem. B* 105, (2001), 905-918.