

บรรณานุกรม

- คูสิต เครื่องาม. 2547. สิ่งประดิษฐ์ออปโตอิเล็กทรอนิกส์1.กรุงเทพฯ:สำนักพิมพ์จุฬาลงกรณ์มหาวิทยาลัย
- นิพนธ์ ตั้งคณานุรักษ์ และ คณิตา ตั้งคณานุรักษ์. 2547. สเปกโทรสโกปีด้านการวิเคราะห์. กรุงเทพฯ:สำนักพิมพ์มหาวิทยาลัยเกษตรศาสตร์
- พงศธร อมรพิทักษ์สุข และ นรารักษ์ หลีสกุล.2546.“เซลล์แสงอาทิตย์ชนิดใช้สีข้อมเป็นเซนซิไทเซอร์”,วารสารสงขลานครินทร์.25(เมษายน 2546),535-551
- ยุทธ อัครมาส. 2530 ฟิสิกส์ของเซลล์สุริยะ.กรุงเทพฯ:สำนักพิมพ์จุฬาลงกรณ์มหาวิทยาลัย
- วันชัย ตันดิวิทยาพิทักษ์ นิตยสารคดี. 2550. สภาวะโลกร้อน (Global arming).สืบค้นจาก <http://www.sarakadee.com/web/modules.php?name=News&file=article&sid=1702> [10 เมษายน 2550].
- Amao, Y., *et al.* 2004. “Preparation and Properties of Dye-sensitized Solar Cell using Chlorophyll Derivative Immobilized TiO₂ Film Electrode”, Journal of Photochemistry and Photobiology A: Chemistry. 164(2004), 47-51.
- Amao, Y. and Komori, T. 2004. “Bio-Photovoltaic Conversion Device using Chlorine-e₆ Derived from Chlorophyll from Spirulina Adsorbed on a Nanocrystalline TiO₂ Film Electrode”, Biosensors and Bioelectronics. 19(2004), 843-847.
- Cahen, *et al.*, 2000.“Nature of Photovoltaic Action in Dye-sensitized Solar Cells”, Journal of Physical Chemistry B. 104(2000),2053–2059.
- Cao, F., *et al.* 1996. “Electron Transport in Porous Nanocrystalline TiO₂ Photoelectrochemical Cells”, The Journal of Physical Chemistry. 100(1996), 17021-17027.

- Curri, M.L. *et al.*, 2003. "Photochemical Sensitisation Process at Photosynthetic Pigments/Q-Sized Colloidal Semiconductor Hetero-junctions", Synthetic Metals. 139(2003), 593–596.
- Fujishima, A. and Honda, K. 1972. "Electrochemical photolysis of water at a semiconductor electrode", Nature. 238(1972) 37-38.
- Goetzberger, A., *et al.* 1998. Crystalline Silicon Solar Cell. Chichester: John Wiley & Sons.
- Gratzel, M., 2001. "Photoelectrochemical Cells", Nature. 414(2001), 338-344
- Green, M.A. 2004. "Recent developments in photovoltaics", Solar Energy. 76 (2004), 3–8
- Gurney, R. W. and Mott, N. F. 1938. "Theory of The Photolysis of Silver Bromide and The Photographic Latent Image", Proc. R. Soc. Lond. A. 164(1938), 151–167.
- Halme, J. 2002. "Dye-Sensitized Nanostructured and Organic Photovoltaic Cells: Technical Review and Preliminary Tests" Master Thesis Dissertation, Helsinki University of Technology. (Unpublished)
- Hupp, J., *et al.*, 1997 "Energy Conversion Chemistry: Mechanisms of Charge Transfer at Metal-Oxide Semi-Conductor/solution Interfaces", Journal of Chemical Education. 74(1997),657-662.
- Kay, A. and Gratzel, M. 1996. "Low Cost Photovoltaic Modules Based on Dye Sensitized Nanocrystalline Titanium Dioxide and Carbon Powder", Solar Energy Materials and Solar Cells. 44(1996), 99-117.
- Markvart, T. and Castafier, L. 2003. Practical Handbook of Photovoltaics: Fundamentals and Applications. Oxford:Elsevier Advanced Technology.

Namba, S. and Hishiki, Y. 1965. "Color Sensitization of Zinc Oxide with Cyanide Dyes", Journal of Physical Chemistry. 69(1965), 774–779.

Nilsson, J. W. 1993. Electric Circuits. 4th edition. Addison-Wesley Publishing Company.

O'Regan, B. and Grätzel, M. 1991. "A low cost, high-efficiency solar cell based on dye-sensitized colloidal TiO₂ films", Nature. 353(1991), 737-740.

Papageorgion, N. *et. al.*, 2000. "An Iodine/triiodide Reduction Electrocatalyst for Aqueous and Organic Media", Journal of Electrochem Society. 144(2000),876-884.

Pulfrey, D.J. 1978. Photovoltaic Power Generation. New York:Van Nostrand Reinhold Company.

Smestad, G.P., 1998. "Education and solar conversion: Demonstrating electron transfer" Solar Energy Materials and Solar Cells. 55(1998), 157-178.

Smestad, G.P. and Gratzel, M. 1998. "Demonstrating Electron Transfer and Nanotechnology: A Nature Dye-Sensitized Nanocrystalline Energy Converter", Journal of Chemical Education. 75(1998), 752-756

Södergren, S., *et. al.* 1994. "Theoretical Models for the Absorption Spectrum and the Current-Voltage Characteristics of Microporous Semiconductor Films in Photoelectrochemical Cells", The Journal of Physical Chemistry. 98(1994), 5552-5556.

Tanaka, J. and Suib, S.L., 1984. "Surface Conductive Glass", Journal of Chemical Education. 61(1984), 1104-1106

Tyagi, M.S. 1991. Introduction to Semiconductor Materials and Devices. New York: John Wiley & Sons.

West, W. 1974. "First hundred years of spectral sensitization", Proc. Vogel Cent. Symp. Photogr. Sci. Eng. 18(1974),35–48.

Wilson, J. and Kawkes, J. 1998. Optoelectronics an Introduction. 3rd edition. London:Prentice Hall.