

## **References:**

1. S. N., "The Physics of Optical Components", in [http:// media.Wiley.com](http://media.Wiley.com), 2000.
2. Max Born and Emil Wolf, Rochester, "Principles of Optics", New York, August 2001.
3. S. A. Akhmanov and S. Yu. Nikitin, "Physical Optics", Clarendon Press, Oxford, 1997.
4. R. Nave, "Interaction of Radiation with Matter", in <http://www.hyperphysics.phy-astr.gsu.edu>, 1998.
5. Eugene Hecht, "Optics", Pearson Education, Inc, San Francisco, 2002.
6. James M. Palmer, "The Measurement of Transmission, Absorption, Emission and Reflection", in Hand book of Optics, 2<sup>nd</sup> edition, Michael Bass, ed., McGraw-Hill, New York, 1995.
7. Ralf Menzel, "Photonics linear and nonlinear interactions of laser light and matter", Springer, 2001.
8. K K Rohatgi – Mukherjee, "Fundamentals of Photochemistry", Wiley Eastern Limited, 1978.
9. Donald M. Mattex, "The Foundations of Vacuum Coating Technology", Noyes Publications/ William Andrew Publishing, New York, 2003.
10. H. A. Macleod, "Thin – Film Optical Filters", in R. R. Shannon, and J. C. Wyant (eds), Applied Optics and Optical Engineering, Academic Press, San Diego, vol. 10, 1987.
11. J. A. Dobrowolski, "Optical Properties of Films and Coatings", in Hand Book of Optics, 2<sup>nd</sup> edition, Michael Bass, ed., McGraw-Hill, New York, 1995.

- 12.H. A. Macleod, "Thin – Film Optical Coatings", in R. Kings Lake, R. R. Shannon and J. C. Wyant (eds), Applied Optics and Optical Engineering, Academic Press, San Diego, vol. 10, 1987.
- 13.H. Pulker, J. Edlinger, and M. Buehler, "Ion Plating Optical Films", in Proceedings, 6<sup>th</sup> international conference on Ion and Plasma Assisted Techniques, Brighton, England, 1987.
- 14.Sputtering Technology, in www. Angstrom Sciences, Inc, 2007.
- 15.R. Parsons, "Sputter Deposition Processes", in J. L. Vossen and W. Kern (eds), Thin Film Processes II, Academic Press, Boston, 1991.
- 16.D. Z. Anderson, J. C. Friesch, and C. S. Masser, "Mirror Reflectometer Based on Optical Cavity Decay Time", Appl. Opt, 23:1238-1245, 1984.
- 17.G. Hass and W. R. Hunter, "Laboratory Experiments to Study Surface Contamination and Degradation of Optical Coatings and Materials in Simulated Space Environments", Appl. Opt, 9:2101-2110, 1970.
- 18.S. P. Baker and W. D. Nix, "Mechanical Properties of Thin – Film on Substrates", Proc. Soc. Photo-Opt. instrum. Eng. 1323, 263-276, 1990.
- 19.Van Atta, C. M.; and M. Hablanian "Vacuum and Vacuum Technology". Encyclopedia of Physics (Second Edition) Ed. Rita G. Lerner and George L. Trigg. VCH Publishers Inc. ISBN 3-527-26954-1, (1991).
- 20.Rajka Krstic, Jennifer Trelewicz and Veena Mahesh, "vacuum gage", Arizona Board of Regents, 1995-99.
- 21.Christopher C. Davis;" Laser and Electro-Optics, Fundamental and Engineering"; copyright by Cambridge University press, Britain; 1996.
- 22.Omega XP laser system, in <http://www.biotechhealth.co.uk>, 1996.

- 23.Nd: YAG Laser, products and data sheet, in <http://www.DornierMedlzintechnik.Com>, 1998.
24. Christopher C. Davis, "Laser and Electro-Optics Fundamentals and Engineering", Cambridge University Press, 1996.
- 25.Ora-[Laser jet](#), products and data sheet, in <http://www.ORALIA.com>, 1995.
26. Medilas D SkinPulse S/D940, products and data sheet, in <http://www.DornierMedlzintechnik.Com>, 2000.
27. John F. Ready, "Industrial Application of Lasers", Copyright by Academic Press, USA, 1997.
- 28.CRO
- 29.Electronix Express, Digital Multimeter Model MY-64, A Division of R.S.R. Electronics, Inc.1996-2006, in <http://www.elexp.com>.
- 30.The Free Encyclopedia, Chloroform, in <http://www.Wikipedia.com>, November 2006.
- 31.David R. Lide, "HandBook of Chemistry and Physics", 82<sup>nd</sup> edition, CRC Press LLC, NewYork, 2001-2002.
- 32.The Free Encyclopedia, "Rhodamine 6G", <http://www.Wikipedia.com>, October, 2006.
33. A. M. Mousa, and J. P. Ponpon, "Growth of Pb Te films by laser induced evaporation of pressed Pb Te pellets", Eur. Phys. J. Appl. Phys. 2006.
34. K. L. Chopra, "Thin Film Phenomena", McGraw Hill, New York, 1969.
- 35.Karl H. Guenther, "Physical and Chemical aspects in the application of thin film on optical elements", Optical Society of America, 1984.