

8 Referências

- ¹ Crisp J, Elliot, B. *Introduction to Fiber Optics*, 3^a ed., 2005,Elsevier.
- ²R.B.M Schasfoort, Anna J. Tudos, *Handbook of Surface Plasmon Resonance*, RSC Publishing, 2008.
- ³ Prasad, P. *Nanophotonics*, Willey and Sons, 2004
- ⁴ Park T.J. et al., *Talanta* (2009) 79:295–301
- ⁵ Haes AJ, Paige Hall W, Chang L, Klein WL, Van Duyne RP, *Nanolettters* Vol. 4, (2004), 6:1027-1034.
- ⁶ Van Gent, J., Lambeck, P. V., Kreuwel, H. J. M., Gerritsima, G. J., Sudholter, E. J. R., Reinholdt, D. N., Popma, T. J. A., *Appl. Opt.* 29 (1990) 2843-2489.
- ⁷ Melendez, J., Carr, R., Bartholomew, D., Taneja, H., Yee, S., Jung, C., Furlong, C. *Sens. Act. B* 38-39 (1997) 375-379.
- ⁸ Willets K.A., Van Duyne R.P., *Annu. Rev. Phys. Chem.* (2007), 58:267-297
- ⁹ Haes AJ, Van Duyne RP, *Anal. Bioanal. Chem.* (2004) 379:920-930
- ¹⁰ Haes A.J. et al, *J. Am. Chem. Soc.* (2005) 127:2264-2271
- ¹¹ Endo T. et al, *Adv. Mater.* (2005) 6:491-500
- ¹² – Rongchao J. et al, *Nature*, (2003) Vol. 425, 487-490
- ¹³ Yang J.C. et al, *Biosensors and Bioelectronics* (2009) 24:2334–2338
- ¹⁴ Cheng, F., Gamble, L. J., Castner, D. G., *Anal. Chem.*, 2008, 80 (7), 2564–2573
- ¹⁵ Lee, H.J. et al., *J. Physiology* (London), 563 61-71 (2005).
- ¹⁶ Wegner, G. J., *Analytical Chem.*, **76** 5667-5684 (2004).
- ¹⁷ Kobori, A. et al., *J. Am. Chem. Soc.*, 2004, 126 (2), 557–562
- ¹⁸ Wood, R. W., *Phil. Mag.*(1902) 4: 396.
- ¹⁹ Maxwell Garnett, J. C., *Philos. Trans. R. Soc. London.* (1904) 203:385.
- ²⁰ Maxwell Garnett, J. C., *Philos. Trans. R. Soc. London* (1906) 205:237 .
- ²¹ Mie, G., *Ann. Phys. (Leipzig)*. (1908) 25: 377.
- ²² Pines, D., *Rev. Mod. Phys.* (956) 2:184–198.
- ²³ Huber, J. A.. et al, *Nanoscape*, Vol 3 (2006) 1:39-47 .
- ²⁴ Komatsu, H, Miyachi, M, Fujii, E, Citterio, D, Yamada, K, Sato, Y, Kurihara, K, Kawaguchi, H, Suzuki, K., *Sci. Technol. Adv. Mater.* 7 (2006) 150–155.
- ²⁵ Matsui, J. et al *Anal. Chem.* (2005) 77: 4282-4285
- ²⁶ Brongersma, M. L., Kik, P. G. *SpringerLink*, 2007. <http://dx.doi.org/10.1007/978-1-4020-4333-8>.

-
- ²⁷ Fun, M. Tese de Doutorado, *Fabrication, Modification and Self-assembly of Metallic Nanoparticles for Localized Surface Plasmon Resonance and Surface Enhanced Vibrational Spectroscopy Applications*, University of Victoria, 2010.
- ²⁸ Barnes, W. L.; Dereux, A.; Ebbesen, T. W., *Nature* (2003) 424 (6950), 824-830.
- ²⁹ Burda, C. et al , *Chemical Reviews* (2005),105 (4), 1025-1102
- ³⁰ Daniel, M. C.; Astruc, D., *Chemical Reviews* (2004) 104 (1), 293-346
- ³¹ Hutter, E.; Fendler, J. H., *Advanced Materials* (2004), 16 (19), 1685-1706
- ³² Piliarik, M., Párová, L., Homola, J., *Biosensors and Bioelectronics* 24 (2009) 1399–1404.
- ³³ Homola, J., Yee S.S., Gauglitz, G., *Sensors and Actuators B*, Chem. Vol. 54(1999)1:3-15
- ³⁴ Liedberg, B., Nylander, C., Lundström, I., *Sensors and Actuators* 4 (1983) 299-304
- ³⁵ Nylander, C., Liedberg, B., Lind, T., *Sensors and Actuators* 3 (1982) 79-88
- ³⁶ Matsubara, K., Kawata, S., Minami, S., *Appl.Opt.*, vol. 27, nº 6, (1988) 1160-1163.,
- ³⁷ Liedberg, B., Lundström, I., Stemberg, E., *Sensors and Actuators B*, 11 (1993) 63-72
- ³⁸ Hutley, M. C., *Diffraction Gratings*, Academic Press, London, 1982.
- ³⁹ Suzuki, A. et al, *Sensors and Actuators B* 106 (2005) 383–387.
- ⁴⁰ Zhang, L. M., Uttamchandani, D. *Electron. Lett.* 23 (1988) 1469-1470.
- ⁴¹ Hutley, M. C., *Diffraction Gratings*, Academic Press, London, 1982.
- ⁴² Little, J. W. et al, *Physical Review B*, Vol. 26, 10 (1982) 5953-5956.
- ⁴³ Kennerly, S. W. et al, *Physical Review B*, Vol. 29, 6(1984) 2926-2929.
- ⁴⁴ Li, C., *Langmuir* 2010, 26(11), 9130–9135.
- ⁴⁵ Ung, T. et al. / *Colloids and Surfaces A: Physicochem. Eng. Aspects* 202 (2002) 119–126
- ⁴⁶ George H. et al., *J. Phys. Chem. C* 2008, 112, 13958–13963
- ⁴⁷ Meriaudeau, F. et al., *Sensors and Actuators B* 54 (1999) 106–117.
- ⁴⁸ Chau, L. K. et al., *Sensors and Actuators B* 113 (2006) 100–105.
- ⁴⁹ Meriaudeau, F. et al., *Sensors and Actuators B* 69(2000) 51–57.
- ⁵⁰ Gouvêa, P. M. P. et al., *Reflection-based Au surface plasmon resonance fiber optic sensor*” in *11th International Conference on Advanced Materials – ICAM 2009* (International Union of Materials Research Societies).
- ⁵¹ Gouvêa, P. M. P. et al. “Characterization of a fiber optic sensor based on LSPR and specular reflection” in Optical Sensors (Sensors), Optical Society of America (OSA), 2010
- ⁵² Pedroso, C. M., Tese de Doutorado. *Propriedades Ópticas de Materiais Compostos: Modelo de Maxwell Garnett e Modelo de Lorentz* , Unicamp, 1993.
- ⁵³ Stratton, J. A., *Electromagnetic Theory*, 2007.
- ⁵⁴ Sipe, J. E., *Physical Review A*, 46 (1992) 1614-1632.
- ⁵⁵ Jackson, J. D., *Classical Electrodynamics*, 3^a ed., Wiley and Sons, 1998.
- ⁵⁶ Kittel, C. *Introduction of Solid State Physics*, 8^a ed., Wiley and Sons, 2005.
- ⁵⁷ Deparis, O. et al., *Journal of Applied Physics*, 100 (2006) 044318
- ⁵⁸ Romani, E. C. et al., *Image Processing of AFM and FESEM Images for Morphological Characterization of Gold Nanoparticles*, ICM17, 2010.

-
- ⁵⁹ Shao, Y. et al. *Sensors*, 10 (2010) 3585-3596.
- ⁶⁰ Cheng, S.F et al. *Anal. Chem.* 2003, 75, 16-21,
- ⁶¹ Addinson, C. J., Brolo A. G., *Langmuir*, 22 (2006) 8696-8702.
- ⁶² Bauer, G. et al. *Nanotechnology* 2003, 14, 1289-1311,