
REFERENCES

Abdulhalim, I., Zourob, M., and Lakhtakia, A., "Surface plasmon resonance for biosensing: a mini-review," *Electromagnetics*, vol. 28, no. 3, pp. 214-242, 2008.

Agarwal, K., Polo, Jr., J. A., and Lakhtakia A., "Theory of Dyakonov-Tamm waves at the planar interface of a sculptured nematic thin film and an isotropic dielectric material," *Journal of Optics A: Pure and Applied Optics*, vol. 11, no. 7, art. no. 074003, 2009.

Agrahari, R., Lakhtakia, A., and Jain, P. K., "Information carried by a surface-plasmon-polariton wave across a gap," *Journal of Applied Physics*, vol. 124, no. 5, art. no. 053104, 2018.

Agrahari, R., Lakhtakia, A., and Jain, P. K., "Toward information transfer around a concave corner by a surface-plasmon-polariton wave," *IEEE Photonics Journal*, vol. 11, no. 1, art. no. 6100112, 2019.

Armin, F., Kordi, M., and Mirsalehi, M. M., "Propagation of surface plasmon modes through discontinuities," *Optics Letters*, vol. 43, no. 15, pp. 3754-3757, 2018.

Barchiesi, D., and Grosjes T., "Fitting the optical constants of gold, silver, chromium, titanium, and aluminum in the visible bandwidth," *Journal of Nanophotonics*, vol. 8, no. 1, art. no. 083097, 2014.

Barnes, W. L., Dereux, A., and Ebbesen, T. W., "Surface plasmon subwavelength optics," *Nature*, vol. 424, no. 6950, pp. 824-830, 2003.

Berenger, J.-P., "A perfectly matched layer for the absorption of electromagnetic waves," *Journal of Computational Physics*, vol. 114, no. 2, pp. 185-200, 1994.

Berini, P., "Long-range surface plasmon polaritons," *Advances in Optics and Photonics*, vol. 1, no. 3, pp. 484-588, 2009.

Berini, P., Charbonneau, R., Lahoud, N., and Mattiussi, G., "Characterization of long-range surface-plasmon-polariton waveguides," *Journal of Applied Physics*, vol. 98, no. 4, art. no. 043109, 2005.

Berndt, R., and Gimzewski, J. K., "Inelastic tunneling excitation of tip-induced plasmon modes on noble-metal surfaces," *Physical Review Letters*, vol. 68, no. 27, pp. 3796-3799, 1991.

Bohm, D., and Gross, E. P., "Theory of plasma oscillations. A. origin of medium-like behavior," *Physical Review*, vol. 75, no. 12, pp. 1851-1864, 1949a.

Bohm, D., and Gross, E. P., "Theory of plasma oscillations. B. excitation and damping of oscillations," *Physical Review*, vol. 75, no. 12, pp. 1864-1876, 1949b.

- Bouwkamp, C. J., "On Sommerfeld's surface wave," *Physical Review*, vol. 80, no. 2, pp. 294, 1950.
- Bozhevolnyi, S. I., Volkov, V. S., Devaux, E., Laluet, J. Y., and Ebbesen, T. W., "Channel plasmon subwavelength waveguide components including interferometers and ring resonators," *Nature*, vol. 440, no. 7083, pp. 508-511, 2006.
- Brongersma, M. L., Zia, R., and Schuller, J. A., "Plasmonics—the missing link between nanoelectronics and microphotronics," *Applied Physics A*, vol. 89, no. 2, pp. 221-223, 2007.
- Barchiesi, D. and Grosjes, T., "Fitting the optical constants of gold, silver, chromium, titanium, and aluminum in the visible bandwidth," *Journal of Nanophotonics*, vol. 8, no. 1, art. no. 083097, 2014.
- Chapra, S. C., and Canale, R. P., *Numerical methods for engineers*, 4th ed. New York, NY, USA, McGraw-Hill, 2002.
- Chen, H. C., "*Theory of electromagnetic waves. a coordinate-free approach*," New York, NY, USA, McGraw-Hill 1983.
- Chen, J., Wang, Q., and Li, H., "Microstructured design of metallic diffraction gratings for light trapping in thin-film silicon solar cells," *Optics Communication*, vol. 283, no. 24, pp. 5236-5244, 2010.
- Chew, W. C., *Waves and fields in inhomogeneous media*, New York, NY, USA, IEEE Press, 1999.
- Chien, F. C., and Chen, S.-J., "A sensitivity comparison of optical biosensors based on four different surface plasmon resonance modes," *Biosensors and Bioelectronics*, vol. 20, no. 3, pp. 633-642, 2004.
- Chrostowski, L., and Hochberg, M., *Silicon photonics design: from devices to systems*, Cambridge, UK, Cambridge University Press, 2015.
- Chutinan, A., and Noda, S., "Waveguides and waveguide bends in two-dimensional photonic crystal slabs," *Physical Review B*, vol. 62, no. 7, pp. 4488-4492, 2000.
- Conway, J. A., Sahni, S., and Szkopek, T., "Plasmonic interconnects versus conventional interconnects: A comparison of latency, crosstalk and energy costs," *Optics Express*, vol. 15, no. 8, pp. 4474-4484, 2007.
- Crasovan, L. C., Artigas, D., Mihalache, D., and Torner, L., "Optical Dyakonov surface waves at magnetic interfaces," *Optics Letters*, vol. 30, no. 22, pp. 3075-3077, 2005.
- Deinega, A., and John, S., "Effective optical response of silicon to sunlight in the finite-difference time-domain method," *Optics Letters*, vol. 37, no. 1, pp. 112-114, 2012.
- D'yakonov, M. I., "New type of electromagnetic wave propagating at an interface," *Soviet Physisc JETP*, vol. 67, no. 4, pp. 714-716, 1988.

- Elsherbeni, A. Z., and Demir, V., *The finite-difference time-domain method for electromagnetics with MATLAB simulations*, 2nd ed., Edison, NJ, USA, SciTech, 2016.
- Etchegoin, P. G., Le Ru, E. C., and Meyer, M., “An analytic model for the optical properties of gold,” *Journal of Chemical Physics*, vol. 125, no. 16, art. no. 164705, 2006.
- Fang, Y., and Sun, M., “Nanoplasmonic waveguides: towards applications in integrated nanophotonic circuits,” *Light: Science and Applications*, vol. 4, no.6, art. no. e294, 2015.
- Faryad, M., and Lakhtakia, A., “Enhanced absorption of light due to multiple surface-plasmon-polariton waves,” *Proceedings of SPIE, Thin Film Solar Technology III*, vol. 8110, art. no. 81100F, 2011.
- Faryad, M., and Lakhtakia, A., “Observation of the Uller-Zenneck wave,” *Optics Letters*, vol. 39, no. 17, pp. 5204-5207, 2014.
- Flatgen, G., Krischer, K., Pettinger, B., Boblhofer, K., Junkes, H., and Ertl, G., “Two-dimensional imaging of potential waves in electrochemical systems by surface plasmon microscopy,” *Science*, vol. 269, no. 5224, pp. 668-671, 1995.
- Foley IV, J. J., McMahon, J. M., Schatz, G. C., Harutyunyan, H., Wiederrecht, G. P., and Gray, S. K., “Inhomogeneous surface plasmon polaritons,” *ACS Photonics*, vol. 1, no. 8, pp. 739-745, 2014.
- Gao, J., Lakhtakia, A., Polo Jr. J. A., and Lei, M., “Dyakonov-Tamm wave guided by a twist defect in a structurally chiral material,” *Journal of Optical Society of America A*, vol. 26, no. 7, pp. 1615-1621, 2009.
- Geddes III, J. B., and Lakhtakia, A., “Numerical investigation of reflection, refraction, and diffraction of pulsed optical beams by chiral sculptured thin films,” *Optics Communications*, vol. 252, nos. 4-6, pp. 307-320, 2005.
- Geddes III, J. B., Meredith, M. W., and Lakhtakia, A., “Circular Bragg phenomenon and pulse bleeding in cholesteric liquid crystals,” *Optics Communications*, vol. 182, nos. 1-3, pp. 45-57, 2000.
- Gordon II, J. G., and Ernst, S., “Surface plasmons as a probe of the electrochemical interface,” *Surface Science*, vol. 101, nos.1-3, pp. 499-506, 1980.
- Grabinski, H. (Ed.), *Interconnects in VLSI design*, Berlin, Germany, Springer, 2000.
- Gramotnev, D. K., and Pile, D. F. P., “Single-mode subwavelength waveguide with channel plasmon-polaritons in triangular grooves on a metal surface,” *Applied Physics Letters*, vol. 85, no. 26, pp. 6323-6325, 2004.
- Green, R.J., Frazier, R.A., Shakesheff, K.M., Davies, M.C., Roberts, C.J. and Tendler, S.J., “Surface plasmon resonance analysis of dynamic biological interactions with biomaterials,” *Biomaterials*, vol. 21, no. 18, pp.1823-1835, 2000.
- Haffner, C., Heni, W., Fedoryshyn, Y., Niegemann, J., Melikyan, A., Elder, D.L., Bäuerle, B., Salamin, Y., Josten, A., Koch, U. and Hoessbacher, C., “All-plasmonic

- Mach-Zehnder modulator enabling optical high-speed communication at the microscale,” *Nature Photonics*, vol. 9, no. 8, pp. 525-528, 2015.
- Hecht, B., Bielefeldt, H., Novotny, L., Inouye, Y., and Pohl, D. W., “Local excitation, scattering, and interference of surface plasmons,” *Physical Review Letters*, vol. 77, no. 9, pp. 1889-1892, 1996.
- Hill, D. A., and Wait, J. R., “On the excitation of the Zenneck surface wave over the ground at 10 GHz,” *Annales des Télécommunications*, vol. 35, no. 5, pp. 179-182, 1980.
- Homola, J. (Ed.), *Surface plasmon resonance based sensor*, Berlin, Germany, Springer, 2006.
- Homola, J., Schwotzer, G., Lehmann, H., Willsch, R., Ecke, W., and Bartelt, H., “Fiber optic sensor for adsorption studies using surface plasmon resonance,” *Proceedings of SPIE*, vol. 2508, pp. 324-333, 1995.
- Homola, J., Yee, S. S., and Gauglitz, G., “Surface plasmon resonance sensors: review,” *Sensors and Actuators B: Chemical*, vol. 54, nos. 1-2, pp. 3-15, 1999.
- Hooper, I. R. and Sambles, J. R., “Dispersion of surface plasmon polaritons on short-pitch metal gratings,” *Physical Review B*, vol. 65, no. 16, art. no. 165432, 2002.
- Hu, B. Y.-K., “Kramers-Kronig in two lines,” *American Journal of Physics*, vol. 57, no. 9, pp. 821, 1989.
- Iskander, M. F., *Electromagnetic fields and waves*, 2nd ed. Long Grove, IL, USA, Waveland Press, 2013.
- Johnson, P. B., and Christy, R. W., “Optical constants of the noble metals,” *Physical Review B*, vol. 6, no. 12, pp. 4370-4379, 1972.
- Kano, H., Mizuguchi, S., and Kawata, S., “Excitation of surface-plasmon polaritons by a focused laser beam” *Journal of Optical Society of America B*, vol. 15, no. 4, pp. 1381-1386, 1998.
- Kim, J. T., Ju, J. J., Park, S., Kim, M. S., Park, S. K., and Lee, M. H., “Chip-to-chip optical interconnect using gold long-range surface plasmon polariton waveguides,” *Optics Express*, vol. 16, no. 17, pp. 13133-13138, 2008.
- Kittel, C., *Introduction to solid state physics*, New Delhi, India, Wiley Eastern, 1974.
- Knoll, W., “Interfaces and thin films as seen by bound electromagnetic waves,” *Annual Reviews of Physical Chemistry*, vol. 49, no. 1, pp. 569-638, 1998.
- Konopsky, V. N., and Alieva, E. V., “Photonic crystal surface waves for optical biosensors,” *Analytical Chemistry*, vol. 79, no. 12, pp. 4729-4735, 2007.
- Körner, T. W., *Fourier analysis*. Cambridge, U.K., Cambridge University Press, 1988.
- Krasavin, A. V., and Zheludev, N. I., “Active plasmonics: controlling signals in Au/Ga waveguide using nanoscale structural transformations,” *Applied Physics Letters*, vol. 84,

no. 8, pp. 1416-1418, 2004.

Krenn, J. R., Lamprecht, B., Ditlbacher, H., Schider, G., Salerno, M., Leitner, A., and Aussenegg, F. R., "Non-diffraction-limited light transport by gold nanowires," *Europhysics Letters*, vol. 60, no. 5, pp. 663-669, 2002.

Kretschmann, E., and Raether, H., "Radiative decay of non radiative surface plasmons excited by light," *Zeitschrift für Naturforschung A*, vol. 23, pp. 2135-2136, 1968.

Lakhtakia, A., "Sculptured thin films: accomplishments and emerging uses," *Materials Science and Engineering: C*, vol. 19, nos. 1-2, pp. 427-434, 2002.

Lakhtakia, A., and Messier, R., *Sculptured thin films: nanoengineered morphology and optics*, Bellingham, WA USA, SPIE Press, 2005.

Lakhtakia, A., Varadan, V. V., and Varadan, V. K., "Scattering by periodic achiral-chiral interfaces," *Journal of Optical Society of America A*, vol. 6, no. 11, pp. 1675-1681, 1989.

Lathi, B. P., *Modern digital and analog communication systems*, Bangalore, India, Prism, 1993.

Leng, J., Opsal, J., Chu, H., Senko, M., and Aspnes, D. E., "Analytic representations of the dielectric functions of crystalline and amorphous Si and crystalline Ge for very large scale integrated device and structural modelling," *Journal of Vacuum Science & Technology A*, vol. 16, no. 3, pp. 1654-1657, 1998.

Leuthold, J., Koos, C. and Freude, W., "Nonlinear silicon photonics," *Nature Photonics*, vol. 4, no. 8, pp. 535-544, 2010.

Leuthold, J., Hoessbacher, C., Muehlbrandt, S., Melikyan, A., Kohl, M., Koos, C., Freude, W., Dolores-Calzadilla, V., Smit, M., Suarez, I. and Martínez-Pastor, J., "Plasmonic communications: light on a wire," *OSA Optics and Photonics News*, vol. 24, no. 5, pp.28-35, 2013.

Lezec, H. J., Degiron, A., Devaux, E., Linke, R. A., Martin-Moreno, L., Garcia-Vidal, F. J., and Ebbesen, T. W., "Beaming light from a subwavelength aperture," *Science*, vol. 297, no. 5582, pp. 820-822, 2002.

Liedberg, B., Lundström, I., and Stenberg, E., "Principles of biosensing with an extended coupling matrix and surface plasmon resonance," *Sensors and Actuators B: Chemical*, vol. 11, no. 1-3, pp. 63-72, 1993.

Lin, L. I.-K., "A concordance correlation coefficient to evaluate reproducibility," *Biometrics*, vol. 45, no. 1, pp. 255-268, 1989.

Luebbers, R., Hunsberger, F.P., Kunz, K.S., Standler, R.B. and Schneider, M., "A frequency-dependent finite-difference time-domain formulation for dispersive materials," *IEEE Transactions on Electromagnetic Compatibility*, vol. 32, no. 3, pp. 222-227, 1990.

- Maab, H., Faryad, M., & Lakhtakia, A., "Surface electromagnetic waves supported by the interface of two semi-infinite rugate filters with sinusoidal refractive-index profiles," *Journal of Optical Society of America B*, vol. 28, no. 5, pp. 1204-1212, 2011.
- Mackay, T. G., and Lakhtakia, A., *Electromagnetic anisotropy and bianisotropy*, 2nd ed., Singapore, World Scientific, 2019.
- Maier, S. A., *Plasmonics: fundamentals and applications*, New York, NY, USA, Springer, 2007.
- Maier, S. A., Friedman, M. D., Barclay, P. E., and Painter, O., "Experimental demonstration of fiber-accessible metal nanoparticle plasmon waveguides for planar energy guiding and sensing," *Applied Physics Letters*, vol. 86, no. 7, art. no. 071103, 2005.
- Maier, S. A., Kik, P. G., Atwater, H. A., Meltzer, S., Harel, E., Koel, B. E., and Requicha, A. A., "Local detection of electromagnetic energy transport below the diffraction limit in metal nanoparticle plasmon waveguides," *Nature Materials*, vol. 2, no. 4, pp. 229-232, 2003.
- Maksimenco, S. A., Slepyan, G. Ya., and Lakhtakia, A., "Gaussian pulse propagation in a linear, lossy chiral medium," *Journal of Optical Society of America A*, vol. 14, no. 4, pp. 894-900, 1997.
- Malmqvist, M., "Biospecific interaction analysis using biosensor technology," *Nature*, vol. 361, no. 6408, pp. 186-187, 1993.
- Manuel, M., Vidal, B., López, R., Alegret, S., Alonso-Chamarro, J., Garces, I., and Mateo, J., "Determination of probable alcohol yield in musts by means of an SPR optical sensor," *Sensors and Actuators B: Chemical*, vol. 11, nos. 1-3, pp. 455-459, 1993.
- Miller, D. A., "Optical interconnects to silicon," *IEEE Journal of Selected Topics in Quantum Electronics*, vol. 6, no. 6, pp. 1312-1317, 2000.
- Moore, G. E., "Cramming more components onto integrated circuits," *Electronics*, vol. 38, no. 8, pp. 114-117, 1965; reprinted: *Proceedings of IEEE*, vol. 86, no. 1, pp. 82-85, 1998.
- Marchevskii, F. N., Strizhevskii, V. L., and Strizhevskii, S. V., "Singular electromagnetic-waves in bounded anisotropic media," *Soviet Physics Solid State*, vol. 26, no. 5, pp. 911-912, 1984.
- Nikolajsen, T., Leosson, K., Salakhutdinov, I., and Bozhevolnyi, S. I., "Polymer-based surface-plasmon-polariton stripe waveguides at telecommunication wavelengths," *Applied Physics Letters*, vol. 82, no. 5, pp. 668-670, 2003.
- Novitsky, A. V., "Conversion from surface wave to surface wave on reflection," *Journal of Optics*, vol. 12, no. 11, art. no. 115705, 2010.
- Nylander, C., Liedberg, B., and Lind, T., "Gas detection by means of surface plasmon resonance," *Sensors and Actuators*, vol. 3, pp. 79-88, 1982.

- Otto A., "Excitation of nonradiative surface plasma waves in silver by the method of frustrated total reflection," *Zeitschrift für Physik*, vol. 216, no. 4, pp. 398-410, 1968.
- Oughstun, K. E., and Sherman, G. C., *Electromagnetic pulse propagation in causal dielectrics*, Berlin, Germany, Springer, 1994.
- Oulton, R. F., Pile, D. F. P., Liu, Y., and Zhang, X., "Scattering of surface plasmon polaritons at abrupt surface interfaces: Implications for nanoscale cavities," *Physical Review B*, vol. 66, no. 3, art. no. 035408, 2007.
- Ozbay, E., "Plasmonics: merging photonics and electronics at nanoscale dimensions," *Science*, vol. 311, no. 5758, pp. 189-193, 2006.
- Papoulis, A., *Signal analysis*, New York, NY, USA, McGraw-Hill, 1977.
- Pendry, J., "Playing tricks with light," *Science*, vol. 285, no. 5434, pp. 1687-1688, 1999.
- Pierce, J. R., "A note on plasma oscillation," *Physical Review*, vol. 76, no. 4, pp. 565, 1949.
- Pines, D., "Collective energy losses in solids," *Reviews of Modern Physics*, vol. 28, no. 3, pp. 184-199, 1956.
- Pitarke, J. M., Silkin, V. M., Chulkov, E. V., and Echenique, P. M., "Theory of surface plasmons and surface-plasmon polaritons," *Reports on Progress in Physics*, vol. 70, no.1, pp. 1-87, 2007.
- Polo Jr, J. A., and Lakhtakia, A., "Surface electromagnetic waves: a review," *Laser & Photonics Reviews*, vol. 5, no. 2, pp. 234-246, 2011.
- Polo, Jr., J. A., Mackay, T. G., and Lakhtakia, A., *Electromagnetic surface waves: a modern perspective*, Waltham, MA, USA, Elsevier, 2013.
- Powell, C. J., and Swan, J. B., "Origin of the characteristic electron energy losses in aluminium," *Physical Review*, vol. 115, no. 4, pp. 869-875, 1959a.
- Powell, C. J., and Swan, J. B., "Origin of the characteristic electron energy losses in magnesium," *Physical Review*, vol. 116, no. 1, pp. 81-83, 1959b.
- Rashed, R., "A pioneer in anaclastics: Ibn Sahl on burning mirrors and lenses," *Isis*, vol. 81, no.3, pp. 464-491, 1990.
- Ritchie, R. H., "Plasma losses by fast electrons in thin films," *Physical Review*, vol. 106, no. 5, pp. 874-881, 1957.
- Robertson, W. M., "Experimental measurement of the effect of termination on surface electromagnetic waves in one-dimensional photonic bandgap arrays," *Journal of Lightwave Technology*, vol. 17, no. 11, pp. 2013-2017, 1999.
- Robertson, W. M., and May, M. S., "Surface electromagnetic wave excitation on one-dimensional photonic band-gap arrays," *Applied Physics Letters*, vol. 74, no. 13, pp. 1800-1802, 1999.

- Rodgers, J. L., and Nicewander, W. A., "Thirteen ways to look at the correlation coefficient," *American Statistician*, vol. 42, no. 1, pp. 59-66, 1988.
- Rothenhäusler, B., and Knoll, W., "Surface-plasmon microscopy," *Nature*, vol. 332, no. 6165, pp. 615-617, 1988.
- Schuller, J. A., Barnard, E. S., Cai, W., Jun, Y. C., White, J. S., and Brongersma, M. L., "Plasmonics for extreme light concentration and manipulation," *Nature Materials*, vol. 9, no. 3, pp. 193-204, 2010.
- Schuster, S. C., Swanson, R. V., Alex, L. A., Bourret, R. B., and Simon, M. I., "Assembly and function of a quaternary signal transduction complex monitored by surface plasmon resonance," *Nature*, vol. 365, no. 6444, pp. 343-347, 1993.
- Sekhon, J. S., and Verma, S. S., "Plasmonics: the future wave of communication," *Current Science*, vol. 101, no. 4, pp. 484-488, 2011.
- Simon, H. J., Mitchell, D. E., and Watson, J. G., "Surface plasmons in silver films-a novel undergraduate experiment," *American Journal of Physics*, vol. 43, no. 7, pp. 630-636, 1975.
- Stern, E. A., and Ferrell, R. A., "Surface plasma oscillations of a degenerate electron gas," *Physical Review*, vol. 120, no. 1, pp. 130-136, 1960.
- Takayama, O., Crasovan, L. C., Johansen, S. K., Mihalache, D., Artigas, D., and Torner, L., "Dyakonov surface waves: a review," *Electromagnetics*, vol. 28, no. 3, pp. 126-145, 2008.
- Tonks, L., and Langmuir, I., "Note on oscillations in ionized gases," *Physical Review*, vol. 33, no. 6, pp. 199-210, 1929.
- Torner, L., Torres, J. P., and Mihalache, D., "New type of guided waves in birefringent media," *IEEE Photonics Technology Letters*, vol. 5, no. 2, pp. 201-203, 1993.
- Torner, L., Torres, J. P., Ojeda, C., and Mihalache, D., "Hybrid waves guided by ultrathin films," *Journal of Lightwave Technology*, vol. 13, no. 10, pp. 2027-2033, 1995.
- Turbadar, T., "Complete absorption of light by thin metal films," *Proceedings of Physical Society*, London, vol. 73, pp. 40-44, 1959.
- Uller, K., *Beiträge zur Theorie der Elektromagnetischen Strahlung*, Ph.D. Thesis, Universität Rostock, Germany, 1903.
- Vial, A., and Laroche, T., "Description of dispersion properties of metals by means of the critical points model and application to the study of resonant structures using the FDTD method," *Journal of Physics D: Applied Physics*, vol. 40, no. 22, pp. 7152-7158, 2007.
- Vivien, L., and Pavesi, L., *Handbook of silicon photonics*, Boca Raton, FL, USA, Taylor & Francis, 2013.
- Vlasov, Y. A., and McNabb, S. J., "Losses in single-mode silicon-on-insulator strip waveguides and bends," *Optics Express*, vol. 12, no. 8, pp. 1622-1631, 2004.

- Vogt, M. R., *Development of physical models for the simulation of optical properties of solar cell modules*, PhD Dissertation, University of Hanover, Germany, 2015.
- Wada, K., Luan, H.-C., Lim, D. R., and Kimerling, L. C., “On-chip interconnection beyond semiconductor roadmap: Silicon microphotonics,” *Proceedings of SPIE*, vol. 4870, no. 1, pp. 437-444, 2002.
- Walker, D. B., Glytsis, E. N., and Gaylord, T. K., “Surface mode at isotropic–uniaxial and isotropic–biaxial interfaces,” *Journal of Optical Society of America A*, vol. 15, no. 1, pp. 248-260, 1998.
- Walker, J. S., *Fourier analysis*, New York, NY, USA, Oxford University Press, 1988.
- Walters, R. J., van Loon, R. V. A., Brunets, I., Schmitz, J., and Polman, A., “A silicon-based electrical source of surface plasmon polaritons,” *Nature Materials*, vol. 9, no. 1, pp. 21-25, 2010.
- Wooten, F., *Optical properties of solids*, New York, NY, USA, Academic Press, 2013.
- Yang, H. U., D’ Archangel, J., Sundheimer, M. L., Tucker, E., Boreman, G. D., and Raschke, M. B., “Optical dielectric function of silver,” *Physical Review B*, vol. 91, no. 23, art. no. 235137, 2015.
- Yee, K. S., “Numerical solution of initial boundary value problems involving Maxwell’s equations in isotropic media,” *IEEE Transaction on Antennas and Propagation*, vol. 14, no. 3, pp. 302-307, 1966.
- Yeh, P., Yariv, A., and Cho, A. Y., “Optical surface waves in periodic layered media,” *Applied Physics Letters*, vol. 32, no. 2, pp. 104-105, 1978.
- Zayats, A. V., Smolyaninov, I. I., and Maradudin, A. A., “Nano-optics of surface plasmon polaritons,” *Physics Reports*, vol. 408, nos. 3-4, pp. 131-314, 2005.
- Zenneck, J., “Über die Fortpflanzung ebener elektromagnetischer Wellen längs einer ebenen Leiterfläche und ihre Beziehung zur drahtlosen Telegraphie,” *Annalen der Physik*, vol. 23, pp. 846-866, 1907.
- Zia, R., Schuller, J. A., Chandran, A., and Brongersma, M. L., “Plasmonics: the next chip-scale technology,” *Materials Today*, vol. 9, nos. 7-8, pp. 20-27, 2006.

