

Larry W. Esposito

PUBLICATIONS LIST BY YEAR

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- Esposito, L. W.**, and E. R. Harrison. 1975. Properties of the Hulse-Taylor binary pulsar system. *Astrophys. J. (Letters)* 196, L1–L2. LASP reprint 901.
- Esposito, L. W.** 1976. Computation of the polarization of light scattered by the solar corona in Balmer Alpha, in *Fellowship Program in Scientific Computing; Internship Program for Minority Students*, ed. J. C. Adams and R. K. Rew, pp. 49–59. National Center for Atmospheric Research Technical Note. NCAR/TN/114 + PROC. LASP reprint 902.
- Esposito, L. W.** 1977. The two-stream approximation (or Shuster-Schwarzschild method), in *Standard Procedures to Compute Atmospheric Radiative Transfer in a Scattering Atmosphere*, ed. J. Lenoble, pp. 52–54. Boulder, Colorado: NCAR, Radiation Commission of the International Association of Meteorology and Atmospheric Physics (IAMAP). LASP reprint 903.
- Esposito, L. W.**, and K. Lumme. 1977. The tilt effect for Saturn's rings. *Icarus* 31, 157–167. LASP reprint 407.
- Lumme, K.**, L. W. Esposito, W. M. Irvine, and W. A. Baum. 1977. Azimuthal brightness variations of Saturn's rings, II: Observations at an intermediate tilt angle. *Astrophys. J. (Letters)* 216, L123–L126. LASP reprint 904.
- Esposito, L. W.** 1978. Light scattering from Saturn's rings calculated by a Markov chain formalism, Ph.D. diss., Astronomy Department, University of Massachusetts, Amherst. *Contribution from the Five College Observatories*, Number 261.
- Esposito, L. W.**, and L. L. House. 1978. Radiative transfer calculated by a Markov chain formalism. *Astrophys. J.* 219, 1058–1067. LASP reprint 905.
- Esposito, L. W.**, W. M. Irvine, K. Lumme, and W. A. Baum. 1978. Azimuthal brightness variations of Saturn's rings, in *Proceedings of the Symposium on Planetary Atmospheres*, ed. A. Vallance-Jones, pp. 89–91. Ottawa, Ontario: National Research Council of Canada. LASP reprint 906.
- Harding, A. K.**, E. Tadamaru, and L. W. Esposito. 1978. A curvature-radiation-pair-production model for gamma-ray pulsars. *Astrophys. J.* 225, 226–236. LASP reprint 907.
- Esposito, L. W.** 1979a. An “adding” algorithm for the Markov chain formalism for radiation transfer. *Astrophys. J.* 233, 661–663. LASP reprint 69.

- Esposito, L. W.** 1979b. Extensions to the classical calculation of the effect of mutual shadowing in diffuse reflection. *Icarus* 39, 69-80. LASP reprint 71.
- Esposito, L. W.**, K. Lumme, W. D. Benton, L. J. Martin, H. M. Ferguson, D. T. Thompson, and S. E. Jones. 1979c. International planetary patrol observations of Saturn's rings, II: Four color phase curves and their analysis. *Astron. J.* 84, 1408–1415. LASP reprint 68.
- Esposito, L. W.**, J. R. Winick, and A. I. Stewart. 1979d. Sulfur dioxide in the Venus atmosphere: Distribution and implications. *Geophys. Res. Lett.* 6, 601–604. LASP reprint 70.
- Lumme, K.**, L. W. Esposito, W. D. Benton, and W. A. Baum. 1979. International planetary patrol observations of Saturn's rings, I: Observations and data reduction. *Astron. J.* 84, 1402–1407. LASP reprint 908.
- Pollack, J. B.**, B. Ragent, R. Boese, M. G. Tomasko, J. Blamont, R. G. Knollenberg, L. W. Esposito, A. I. Stewart, and L. Travis. 1979. Nature of the Ultraviolet absorber in the Venus clouds: Inferences based on Pioneer Venus data. *Science* 205, 76–79. LASP reprint 909.
- Stewart, A. I.**, D. E. Anderson, L. W. Esposito, and C. A. Barth. 1979. Ultraviolet spectroscopy of Venus: Initial results from the Pioneer Venus orbiter. *Science* 203, 777-779. LASP reprint 336.
- Esposito, L. W.** 1980. Ultraviolet contrasts and the absorbers near the Venus cloud tops. *J. Geophys. Res.* 85, 8151–8157. LASP reprint 324.
- Esposito, L. W.**, J. P. Dilley, and J. W. Fountain. 1980. Photometry and polarimetry of Saturn's rings from Pioneer Saturn. *J. Geophys. Res.* 85, 5948–5956. LASP reprint 72.
- Gehrels, T.**, L. R. Baker, E. Beshore, C. Blenman, J. J. Burke, N. D. Castillo, B. DaCosta, J. Degewij, L. R. Doose, J. W. Fountain, J. Gotobed, C. E. KenKnight, R. Kingston, G. McLaughlin, R. McMillan, R. Murphy, P. H. Smith, C. P. Stoll, R. N. Strickland, M. G. Tomasko, M. P. Wijesinghe, D. L. Coffeen, and L. W. Esposito. 1980. Imaging photopolarimeter on Pioneer Saturn. *Science* 207, 434–439. LASP reprint 910.
- Knollenberg, R.**, L. Travis, M. Tomasko, P. Smith, B. Ragent, L. W. Esposito, D. McCleese, J. Martonchik, and R. Beer. 1980. The clouds of Venus: A synthesis report. *J. Geophys. Res.* 85, 8059–8081. LASP reprint 911.
- Pollack, J. B.**, O. B. Toon, R. C. Whitten, R. Boese, B. Ragent, M. Tomasko, L. W. Esposito, L. Travis, and D. Wiedman. 1980. Distribution and source of the UV absorption in Venus' atmosphere. *J. Geophys. Res.* 85, No. A13, 8141-8150. LASP reprint 912.

- Esposito, L. W.** 1981. Absorbers seen near the Venus cloud tops from Pioneer Venus. *Adv. Space Res.* 1, 163–166. LASP reprint 340.
- Gehrels, T.,** and L. W. Esposito. 1981. Pioneer fly-by of Saturn and its rings. *Adv. Space Res.* 1, 67–71. LASP reprint 913.
- Thompson, W. T.,** K. Lumme, W. M. Irvine, W. A. Baum, and L. W. Esposito. 1981. Saturn's rings: Azimuthal variations, phase curves, and radial profiles in four colors. *Icarus* 46, 187–200. LASP reprint 319.
- Esposito, L. W.,** and L. D. Travis. 1982. Polarization studies of the Venus UV contrasts: Cloud height and haze variability. *Icarus* 51, 374–390. LASP reprint 332.
- Lane, A. L.,** C. W. Hord, R. A. West, L. W. Esposito, D. L. Coffeen, M. Sato, K. E. Simmons, R. B. Pomphrey, and R. B. Morris. 1982a. Photopolarimetry from Voyager 2: Preliminary results on Saturn, Titan, and the rings. *Science* 215, 537–543. LASP reprint 914.
- Lane, A. L.,** R. B. Pomphrey, and L. W. Esposito. 1982b. Probing the fine structure of Saturn's rings. *Planetary Report 2*, 7. No reprint. 10/07 PS will look for one and send copy if they find it.
Online at: Not available online.
- Esposito, L. W.,** N. Borderies, P. Goldreich, J. N. Cuzzi, J. B. Holdberg, A. L. Lane, R. B. Pomphrey, R. J. Terrile, J. J. Lissauer, E. A. Marouf, and G. L. Tyler. 1983a. Eccentric ringlet in the Maxwell gap at 1.45 Saturn radii: Multi-instrument Voyager observations. *Science* 222, 57–60. LASP reprint 278.
- Esposito, L. W.,** R. G. Knollenberg, M. Y. Marov, O. B. Toon, and R. P. Turco. 1983b. The clouds and hazes of Venus. In *Venus*, ed. D. M. Hunten, L. Colin, T. M. Donahue, and V. I. Moroz, pp. 484–564. Tucson: Univ. of Arizona Press.
- Esposito, L. W.,** M. O'Callaghan, and R. A. West. 1983c. The structure of Saturn's rings: Implications from the Voyager stellar occultation. *Icarus* 56, 439. LASP reprint 205.
- Esposito, L. W.,** M. O'Callaghan, K. E. Simmons, C. W. Hord, R. A. West, A. L. Lane, R. B. Pomphrey, D. L. Coffeen, and M. Sato. 1983d. Voyager photopolarimeter stellar occultation of Saturn's rings. *J. Geophys. Res.* 88, 8643–8649. LASP reprint 208.
- Lumme, K.,** W. M. Irvine, and L. W. Esposito. 1983. Theoretical interpretation of the ground-based photometry of Saturn's B ring. *Icarus* 53, 174–184. LASP reprint 370.

- West, R. A.**, C. W. Hord, K. E. Simmons, H. Hart, L. W. Esposito, A. L. Lane, R. B. Pumphrey, R. B. Morris, M. Sato, and D. Coffeen. 1983a. Voyager photopolarimeter observations of Saturn and Titan. *Adv. Space Res.* 3, 45–48. LASP reprint 56.
- West, R. A.**, A. L. Lane, H. Hart, K. E. Simmons, C. W. Hord, D. L. Coffeen, L. W. Esposito, M. Sato, and R. B. Pumphrey. 1983b. Voyager 2 photopolarimeter observations of Titan. *J. Geophys. Res.* 88, 8699–8708. LASP reprint 239.
- West, R. A.**, M. Sato, H. Hart, A. L. Lane, C. W. Hord, K. E. Simmons, L. W. Esposito, D. L. Coffeen, and R. B. Pumphrey. 1983c. Photometry and polarimetry of Saturn at 2640 Å and 7500 Å. *J. Geophys. Res.* 88, 8679–8697. LASP reprint 279.
- Cuzzi, J. N.**, J. J. Lissauer, L. W. Esposito, J. B. Holberg, E. A. Marouf, G. L. Tyler, B. Pederson, and A. Boischoit. 1984. The rings of Saturn. In *Planetary Rings*, ed. A. Brahic. Tucson: Univ. of Arizona Press.
- Esposito, L. W.** 1984a. Structure and dynamics of Saturn's rings as seen by the Voyager stellar occultation. Proceedings of IAU Colloquium #75. Toulouse, France: CNES.
- Esposito, L. W.** 1984b. Sulfur dioxide: Episodic injection shows evidence for active Venus volcanism. *Science* 223, 1072–1074. LASP reprint 204.
- Esposito, L. W.**, J. N. Cuzzi, J. B. Holberg, E. A. Marouf, G. L. Tyler, and C. C. Porco. 1984. Saturn's rings: Structure, dynamics, and particle properties. In *Saturn*, ed. T. Gehrels and M. S. Matthews, pp. 463–545. Tucson: Univ. of Arizona Press.
- Esposito, L. W.** 1985. Long term changes in Venus sulfur dioxide. *Adv. Space Res.* 5, 85–90. LASP reprint 61.
- Esposito, L. W.** 1986. Structure and evolution of Saturn's rings. *Icarus* 67, 345–357. LASP reprint 387.
- Lane, A. L.**, C. W. Hord, L. W. Esposito, K. E. Simmons, A. L. Graps, W. R. Pryor, R. A. West, R. M. Nelson, B. D. Wallis, B. J. Buratti, and L. J. Horn. 1986. Photometry from Voyager 2: Initial results from the Uranian atmosphere, satellites, and rings. *Science* 233, 65–70. LASP reprint 377.
- Ragent, B.**, L. W. Esposito, M. G. Tomasko, M. Y. Marov, V. P. Shari, and V. N. Lebedev. 1986. Particulate matter in the Venus atmosphere. In *Venus International Reference Atmosphere*, ed. G. M. Keating. Elsevier Science.
- Showalter, M. R.**, J. N. Cuzzi, E. A. Marouf, and L. W. Esposito. 1986. Satellite “wakes” and the orbit of the Encke gap moonlet. *Icarus* 66, 297–323. LASP reprint 366.

- Cuzzi, J. N.**, and L. W. Esposito. 1987. The rings of Uranus. *Sci. Amer.* 255, 52–54, 63–66. LASP reprint 398.
- Esposito, L. W.** 1987a. The changing shape of planetary rings. *Astronomy* 15, 6–17. LASP reprint 915.
- Esposito, L. W.** 1987b. Venus. In *McGraw-Hill 1987 Yearbook of Science and Technology*, pp. 495–497. New York: McGraw-Hill. LASP reprint 916.
- Esposito, L. W.**, C. C. Harris, and K. E. Simmons. 1987. Features in Saturn's rings. *Astrophys. J. Supp.* 63, 749–770. LASP reprint 396.
- Miner, E. D.**, A. P. Ingersoll, W. Kurth, L. W. Esposito, and T. V. Johnson. 1987. Science objectives and preliminary sequence designs for the Voyager Neptune encounter. Jet Propulsion Laboratory, JPL TM D-4607.
- Nelson, R. M.**, B. J. Buratti, B. D. Wallis, A. L. Lane, R. A. West, K. E. Simmons, C. W. Hord, and L. W. Esposito. 1987. Voyager 2 photopolarimeter observations of the Uranian satellites. *J. Geophys. Res.* 92, 14905–14910. LASP reprint 917.
- West, R. A.**, A. L. Lane, C. W. Hord, L. W. Esposito, K. E. Simmons, R. M. Nelson, and B. D. Wallis. 1987. Temperature and aerosol structure of the nightside Uranian stratosphere from Voyager 2 photopolarimeter stellar occultation measurements. *J. Geophys. Res.* 92, No. A13, 15030–15036. LASP reprint 918.
- Esposito, L. W.**, M. Copley, R. Eckert, L. Gates, A. I. F. Stewart, and H. Worden. 1988. Sulfur dioxide at the Venus cloud tops, 1978–1986. *J. Geophys. Res.* 93, 5267–5276. LASP reprint 435.
- Horn, L. J.**, P. A. Yanamandra-Fisher, L. W. Esposito, and A. L. Lane. 1988. Physical properties of the Uranian delta ring from a possible density wave. *Icarus* 76, 485–492. LASP reprint 444.
- Stern, S. A.**, L. W. Esposito, and E. S. Barker. 1988. Ground-based CCD observations of Venus SO₂: 1986–87. Laboratory for Atmospheric and Space Physics, LASP Technical Report and reprint 425.
- Brophy, T. G.**, and L. W. Esposito. 1989. Simulation of collisional transport processes and the stability of planetary rings. *Icarus* 78, 181–205. LASP reprint 446.
- Esposito, L. W.**, and J. E. Colwell. 1989. Creation of the Uranus rings and dust bands, *Nature* 339, 605–607. LASP reprint 455.

- Lane, A. L.**, R. A. West, C. W. Hord, R. M. Nelson, K. E. Simmons, W. R. Pryor, L. W. Esposito, L. J. Horn, B. D. Wallis, B. J. Buratti, T. G. Brophy, P. Yanamandra-Fisher, J. E. Colwell, D. A. Bliss, M. J. Mayo, and W. D. Smythe. 1989. Photometry from Voyager 2: Initial results from the Neptunian atmosphere, satellites, and rings. *Science* 246, 1450–1454. LASP reprint 919.
- Brophy, T. G.**, G. R. Stewart, and L. W. Esposito. 1990. A phase-space fluid simulation of a two-component narrow planetary ring: Particle size segregation, edge formation, and spreading rates. *Icarus* 83, 133–155. LASP reprint 467.
- Colwell, J. E.**, and L. W. Esposito. 1990a. A model of dust production in the Neptune ring system. *Geophys. Res. Lett.* 17, 1741–1744. LASP reprint 503.
- Colwell, J. E.**, and L. W. Esposito. 1990b. A numerical model of the Uranian dust rings. *Icarus* 86, 530–560. LASP reprint 494.
- Colwell, J. E.**, L. J. Horn, A. L. Lane, L. W. Esposito, P. A. Yanamandra-Fisher, S. H. Pilorz, K. E. Simmons, M. D. Morrison, C. W. Hord, R. M. Nelson, B. D. Wallis, R. A. West, and B. J. Buratti. 1990. Voyager photopolarimeter observations of Uranian ring occultations. *Icarus* 83, 102–125. LASP reprint 473.
- Esposito, L. W.** 1990a. Does Venus have active volcanos? *Astronomy* 18, 42–47. LASP reprint 921.
- Esposito, L. W.** 1990b. Sulfur dioxide and its variations. In *Middle Atmosphere of Venus*. Akademie der Wissenschaften der DDR. LASP reprint 514.
- Esposito, L. W.** 1990c. Variation of the sulfur dioxide concentration in the atmosphere of Venus and the concept of active volcanism. Translated from *Astronomicheskii Vestnik* 24, 57–58. LASP reprint 920.
- Na, C. Y.**, L. W. Esposito, and T. E. Skinner. 1990. International Ultraviolet Explorer observation of Venus SO₂ and SO. *J. Geophys. Res.* 95, 7485–7491. LASP reprint 485.
- Esposito, L. W.** 1991. Planetary rings: Ever decreasing circles. *Nature* 354, 107. LASP reprint 574.
- Esposito, L. W.**, A. Brahic, J. Burns, and E. A. Marouf. 1991. Particle properties and processes in Uranus' rings. In *Uranus*, ed. J. Bergstrahl, E. D. Miner, and M. Matthews, pp. 410–465. Tucson: Univ. of Arizona Press.

- Moreau, D.**, L. W. Esposito, and G. Brasseur. 1991. The chemical composition of the dust-free Martian atmosphere: Preliminary results of a two-dimensional model. *J. Geophys. Res.* 96, 7933–7945. LASP reprint 573.
- Moroz, V. I.**, E. V. Petrova, L. V. Ksanfomality, O. F. Ganpantzerova, N. V. Goroshkova, A. V. Zharkov, G. E. Nikitin, L. Esposito, J.-P. Bibring, M. Combes, and A. Soufflot. 1991. Characteristics of aerosol phenomena in the Martian atmosphere from KRFM experiment data. *Plan. Space Sci.* 39, 199–207. LASP reprint 523.
- Brophy, T. G.**, L. W. Esposito, G. R. Stewart, and P. A. Rosen. 1992. Numerical simulation of satellite-ring interactions: Resonances and satellite-ring torques. *Icarus* 100, 412–433. LASP reprint 554.
Online at: http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WGF-470F45N-8F&_coverDate=12%2F31%2F1992&_alid=415801008&_rdoc=1&_fmt=&_orig=search&_qd=1&_cdi=6821&_sort=d&_view=c&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&_md5=52bfb1f688e682390f87254149dfe691
- Colwell, J. E.**, and L. W. Esposito. 1992. Origins of the rings of Uranus and Neptune, I: Statistics of satellite disruptions. *J. Geophys. Res. (Planets)* 97, 10227–10241. LASP reprint 545.
Online at: <http://www.agu.org/pubs/crossref/1992/92JE00788.shtml>
- Esposito, L. W.** 1992. Planetary rings: Running rings around modellers. *Nature* 360, 531–532. LASP reprint 922.
Online at: <http://search.nature.com/search/?sp-a=sp1001702d&sp-sfv1-field=subjectlujournal&sp-t=results&sp-p=all&sp-q-2=Esposito&sp-x-2=uauui&sp-q-4=360&sp-x-4=uvolume&sp-d=custom&sp-start-day=01&sp-end-day=31&sp-s=date>
- Hord, C. W.**, W. E. McClintock, A. I. F. Stewart, C. A. Barth, L. W. Esposito, G. E. Thomas, B. R. Sandel, D. M. Hunten, A. L. Broadfoot, D. E. Shemansky, J. M. Ajello, A. L. Lane, and R. A. West. 1992. Galileo Ultraviolet Spectrometer experiment. *Space Sci. Rev.* 60, 503–530. LASP reprint 544.
Online at: <http://adsabs.harvard.edu/abs/1992SSRv...60..503H>
- McClintock, W. E.**, G. M. Lawrence, R. A. Kohnert, and L. W. Esposito. 1992. Optical design of the ultraviolet imaging spectrograph for the Cassini mission to Saturn, from *Instrumentation for Planetary and Terrestrial Atmospheric Remote Sensing*. SPIE 1745, 26–38. LASP reprint 568.
Online at: <http://bookstore.spie.org/index.cfm?fuseaction=DetailPaper&ProductId=60597&coden=>
- Colwell, J. E.**, and L. W. Esposito. 1993. Origins of the rings of Uranus and Neptune, 2: Initial conditions and ring moon populations. *J. Geophys. Res. (Planets)* 98, 7387–7401. LASP reprint 562.
Online (abstract only) at: <http://www.agu.org/pubs/crossref/1993/93JE00329.shtml>

Esposito, L. W. 1993. Understanding planetary rings. *Ann. Rev. Earth Planet. Sci.* 21, 487–523. LASP reprint 566.

Online at : <http://arjournals.annualreviews.org/doi/abs/10.1146/annurev.ea.21.050193.002415>

McClintock, W. E., G. M. Lawrence, R. A. Kohnert, and L. W. Esposito. 1993. Optical design of the ultraviolet imaging spectrograph for the Cassini mission to Saturn. *Opt. Eng.* 32, 3038–3046. LASP reprint 612.

Online at:

<http://spiedl.aip.org/getabs/servlet/GetabsServlet?prog=normal&id=OPEGAR000032000012003038000001&idtype=cvips&gifs=yes>

Zasova, L. V., V. I. Moroz, L. W. Esposito, and C. Y. Na. 1993. SO₂ in the middle atmosphere of Venus: IR measurements from Venera-15 and comparison to UV data. *Icarus* 105, 92–109. LASP reprint 584.

Online at: http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WGF-45PTG3T-22&_coverDate=09%2F30%2F1993&_alid=91678091&_rdoc=1&_fmt=&_orig=search&_qd=1&_cdi=6821&_sort=d&_view=c&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&md5=1a344a643d4f3e2eee9ff8d8255c34cb.

Na, C. Y., L. W. Esposito, W. E. McClintock, and C. A. Barth. 1994. Sulfur dioxide in the atmosphere of Venus, II. Modeling results. *Icarus* 112, 389–395. LASP reprint 646.

Online at

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WGF-45NK0GB-D&_coverDate=12%2F31%2F1994&_alid=91679143&_rdoc=1&_fmt=&_orig=search&_qd=1&_cdi=6821&_sort=d&_view=c&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&md5=f0ef106eea3a033ababad7686d4e52c0

Canup, R. M., and L. W. Esposito. 1995. Accretion in the Roche zone: Coexistence of rings and ringmoons. *Icarus* 113, 331–352. LASP reprint 640.

Online at

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WGF-45NK0GB-D&_coverDate=12%2F31%2F1994&_alid=91679143&_rdoc=1&_fmt=&_orig=search&_qd=1&_cdi=6821&_sort=d&_view=c&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&md5=f0ef106eea3a033ababad7686d4e52c0.

Hord, C. W., W. R. Pryor, A. I. F. Stewart, K. E. Simmons, J. J. Gebben, C. A. Barth, W. E. McClintock, L. W. Esposito, W. K. Tobiska, R. A. West, S. J. Edberg, J. M. Ajello, and K. L. Naviaux. 1995. Direct observations of the Comet Shoemaker-Levy 9 fragment G impact by Galileo UVS. *Geophys. Res. Lett.* 22, 1565–1568. LASP reprint 651.

Online at: <http://www.agu.org/pubs/crossref/1995/95GL01414.shtml>

Porco, C. C., J. N. Cuzzi, L. W. Esposito, J. J. Lissauer, and P. O. Nicholson. 1995. Neptune's ring system. In *Neptune and Triton*, ed. J. T. Bergstrahl, E. D. Miner, and M. S. Mathews, pp. 703–804. Tucson: Univ. of Arizona Press.

Thiessenhusen, K. U., L. W. Esposito, J. Kurths, and F. Spahn. 1995. Detection of hidden resonances in Saturn's B-ring. *Icarus* 113, 206–212. LASP reprint 923.

Online at

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WGF-45NJC1-4S&_coverDate=01%2F31%2F1995&_alid=91680444&_rdoc=1&_fmt=&_orig=search&_qd=1&_cdi=6821&_sort=d&_view=c&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&md5=dab23700872b6c0b8a54068dfc624bbe.

Canup, R. M., and L. W. Esposito. 1996. Accretion of the Moon from an impact-generated disk. *Icarus* 119, 427–446. LASP reprint 675.

Online at

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WGF-45N4TKM-26&_user=918210&_handle=W-WA-A-A-AC-MSAYVA-UUW-AUCWEDVEUU-CWCBVUZW-AC-U&_fmt=summary&_coverDate=02%2F29%2F1996&_rdoc=12&_orig=browse&_srch=%23toc%236821%231996%23998809997%23307688!&_cdi=6821&_view=c&_acct=C000047944&_version=1&_urlVersion=0&_u serid=918210&md5=ba739ad3cc13757e09ba0cc0777954fb.

Canup, R. M., and L. W. Esposito. 1997. Evolution of the G ring and the population of macroscopic ring particles. *Icarus* 126, 28–41. LASP reprint 700.

Online at

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WGF-45N4TKM-26&_user=918210&_handle=W-WA-A-A-AC-MSAYVA-UUW-AUCWEDVEUU-CWCBVUZW-AC-U&_fmt=summary&_coverDate=02%2F29%2F1996&_rdoc=12&_orig=browse&_srch=%23toc%236821%231996%23998809997%23307688!&_cdi=6821&_view=c&_acct=C000047944&_version=1&_urlVersion=0&_u serid=918210&md5=ba739ad3cc13757e09ba0cc0777954fb.

Esposito, L. W., J.-L. Bertaux, V. Krasnopolsky, V. I. Moroz, and L. V. Zasova. 1997. Chemistry of lower atmosphere and clouds. In *Venus II*, ed. S. W. Bougher, D. M. Hunten, and R. J. Phillips, pp. 415–458. Tucson: Univ. of Arizona Press.

Na, C. Y., and L. W. Esposito. 1997. Is disulfur monoxide the second absorber on Venus? *Icarus* 125, 361–368. LASP reprint 695.

Online at http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WGF-45M919J-11&_coverDate=02%2F28%2F1997&_alid=91681559&_rdoc=1&_fmt=&_orig=search&_qd=1&_cdi=6821&_sort=d&_view=c&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&md5=9a102ca0d0ce5015f37039b8890a8d06.

Esposito, L. W., J. E. Colwell, and W. E. McClintock. 1998. Cassini UVIS observations of Saturn's rings. *Planet. Space Sci.* 46, 1221–1235. LASP reprint 753.

Online at: http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6V6T-3W1R5DR-F&_coverDate=10%2F09%2F1998&_alid=379977510&_rdoc=1&_fmt=&_orig=search&_qd=1&_cdi=5823&_sort=d&_view=c&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&md5=82d3f0636cddcad9928b4bd1f9334dc2

Harri, A.-M., V. Linkin, J. Polkko, M. Marov, J.-P Pommereau, A. Lipatov, T. Siili, K. Manuilov, V. Lebedev, A. Lehto, R. Pellinen, R. Pirjola, T. Carpentier, C. Malique, V. Makarov, L. Khloustova, L. Esposito, J. Maki, G. Lawrence, and V. Lystsev. 1998. Meteorological observations on Martian surface: Met-packages of Mars—96 small stations and penetrators. *Planet. Space Sci.* 46, No. 6/7, 779–793. LASP reprint 744.

Online at: http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6V6T-3TN9M81-D&_coverDate=07%2F31%2F1998&_alid=379978455&_rdoc=1&_fmt=&_orig=search&_qd=1&_cdi=5823&_sort=d&_view=c&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&md5=da36481467f2ba4c503d8129dd9826ac

Throop, H. B., and L. W. Esposito. 1998. G ring particle sizes derived from ring plane crossing observations. *Icarus* 131, 152–166. LASP reprint 752.

Online at
http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WGF-45K0YV5-C&_coverDate=01%2F31%2F1998&_alid=91681930&_rdoc=1&_fmt=&_orig=search&_qd=1&_cdi=6821&_sort=d&_view=c&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&md5=d02112abfb7d4c40c053bde6d66c3ca3.

Colwell, J. W., L. W. Esposito, and D. Bundy. 2000. Fragmentation rates of small satellites in the outer solar system. *J. Geophys. Res.* 105, 17,589–17,599. LASP reprint 806.

Online at: <http://www.agu.org/pubs/crossref/2000/1999JE001209.shtml>

Throop, H. B., J. Bally, L. W. Esposito, and M. J. McCaughrean. 2001. Evidence for dust grain growth in young circumstellar disks. *Science* 292, 1686–1689. LASP reprint 899.

Online at
http://www.sciencemag.org/cgi/content/abstract/292/5522/1686?maxtoshow=&HITS=10&hits=10&RESULTFORMAT=&author1=Throop+H&searchid=1053022817523_8339&stored_search=&FIRSTINDEX=0&fdate=10/1/1995&tdate=5/31/2003.

Barbara, J. M., and L. W. Esposito. 2002. Moonlet collisions and the effects of tidally modified accretion in Saturn's F ring. *Icarus* 160, 161–171. LASP reprint 864.

Online at
http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WGF-45K0YV5-C&_coverDate=01%2F31%2F1998&_alid=91681930&_rdoc=1&_fmt=&_orig=search&_qd=1&_cdi=6821&_sort=d&_view=c&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&md5=d02112abfb7d4c40c053bde6d66c3ca3.

Blanc, M., S. Bolton, J. Bradley, M. Burton, T.E. Cravens, I. Dandouras, M.K. Dougherty, M.C. Festou, J. Feynman, R.E. Johnson, T.G. Gombosi, W.S. Kurth, P.C. Liewer, B.H. Mauk, S. Maurice, D. Mitchell, F.M. Neubauer, J.D. Richardson, D.E. Shemansky, E.C. Sittler, B.T. Tsurutani, P. Zarka, L.W. Esposito, E. Grun, D.A. Gurnett, A.J. Kliore, S.M. Krimigis, D. Southwood, J.H. Waite, and D.T. Young. 2002. Magnetospheric and plasma science with Cassini-Huygens. *Space Science Reviews*. 104, Issue 1-2, 253-346. LASP reprint 1057.

Online at:
[http://www.springerlink.com/\(wp5s4355vepzfhyuvam0yz45\)/app/home/contribution.asp?referrer=parent&backto=searchcitationsresults.8.16](http://www.springerlink.com/(wp5s4355vepzfhyuvam0yz45)/app/home/contribution.asp?referrer=parent&backto=searchcitationsresults.8.16);

Cuzzi, J.N., J.E. Colwell, L.W. Esposito, C.C. Porco, C.D. Murray, P.D. Nicholson, L.J. Spilker, E.A. Marouf, R.C. French, N. Rappaport, and D. Muhleman. 2002. Saturn's rings: Pre-Cassini status and mission goals. *Space Science Reviews*. 104, Issue 1-2, 209-251. LASP reprint 1008.

Online at:
[http://www.springerlink.com/\(wp5s4355vepzfhyuvam0yz45\)/app/home/contribution.asp?referrer=parent&backto=searchcitationsresults.1.1](http://www.springerlink.com/(wp5s4355vepzfhyuvam0yz45)/app/home/contribution.asp?referrer=parent&backto=searchcitationsresults.1.1)

- Esposito, L. W.** 2002. Planetary rings. *Rep. Prog. Phys.* 65, 1741–1783. Planetary rings. LASP reprint 874.
Online at: <http://stacks.iop.org/RoPP/65/1741>.
- Esposito, L. W.** 2003. Cassini Imaging at Jupiter. *Science* 299,1529-1530. LASP reprint 900.
Online at:
<http://www.sciencemag.org/cgi/content/full/299/5612/1529?ijkey=J5/90d7cDsytE&keytype=ref&siteid=sci>.
- Richardson, L. J., D. Deming, G. Wiedemann, C. Goukenleuque, D. Steyert, J. Harrington, and L. W. Esposito.** 2003. Infrared observations during the secondary eclipse of HD 209458b, I. 3.6-micron occultation spectroscopy using the VLT. *Astrophys. J.* 584, 1053-1062. LASP reprint 998.
Online at: http://www.arXiv.org/find/astro-ph/1/au:+Richardson_L/0/1/0/all/0/1
- Brooks, S. M., L. W. Esposito, M. R. Showalter, and H. B. Throop.** 2004. The size distribution of Jupiter's main ring from Galileo imaging and spectroscopy. *Icarus*, 170, 35-37. LASP reprint 973.
Online at: http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WGF-4CB64G4-1&_user=3058215&_coverDate=07%2F31%2F2004&_alid=257618260&_rdoc=10&_fmt=full&_orig=search&_cdi=6821&_sort=d&_st=4&_docanchor=&_acct=C000047944&_version=1&_urlVersion=0&_userid=3058215&_md5=265af6189d606c16892187e429634fbf
- Esposito, L. W., C. A. Barth, J. E. Colwell, G. M. Lawrence, W. E. McClintock, A. I. F. Stewart, H. U. Keller, A. Korth, H. Lauche, M. C. Festou, A. L. Lane, C. J. Hansen, J. N. Maki, R. A. West, H. Jahn, R. Reulke, K. Warlich, D. E. Shemansky, and Y. L. Yung.** 2004. The Cassini Ultraviolet Imaging Spectrograph investigation. *Space Sci. Rev.* 115, 294-361. LASP reprint 999.
Online at: <http://www.springerlink.com/content/q2727598rq066n86/>
- Esposito, L.W., J. E. Colwell, K. Larsen, W. E. McClintock, A. I. F. Stewart, J. Tew Hallett, D. E. Shemansky, J. M. Ajello, C. J. Hansen, A. R. Hendrix, R. A. West, H. U. Keller, A. Korth, W. R. Pryor, R. Reulke, and Y. L. Yung.** 2005. Ultra-Violet Imaging Spectroscopy shows an active Saturn system. *Science.* 307, 1251-1255. LASP reprint 1000.
Online at <http://www.sciencemag.org/cgi/content/full/307/5713/1251>
- Ajello J.M., W. Pryor, L.W. Esposito, A.I.F. Stewart, W. McClintock, J. Gustin, D. Grodent, J.-C. Gerard, and J.T. Clarke.** The Cassini Campaign Observations of the Jupiter Aurora by the Ultraviolet Imaging Spectrograph and the Space Telescope Imaging Spectrograph. 2005. *Icarus* 178 327-345. LASP reprint 1025.
Online at: http://www.sciencedirect.com/science?_ob=ArticleURL&_aset=V-WA-A-W-A-MsSAYZA-UUW-U-AAVCVYUYZE-AAVBUZAZZE-DBYCYBBDZ-A-U&_origAset=V-WA-A-W-W-MsSAYWW-UUA-U-AAVCVYUYZE-AAVBUZAZZE-DBYCYAYBY-W-U&_rdoc=1&_fmt=full&_udi=B6WGF-4H2PJT3-1&_coverDate=11%2F15%2F2005&_cdi=6821&_orig=search&_st=13&_sort=d&_view=c&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&_md5=3b787f2079c617d80919e5bc74d48ecf

Pryor, W.R., A. I. F. Stewart, L. W. Esposito and, J. E. Colwell, A. J. Jouchoux, A. J. Steffl, D. E. Shemansky, J. M. Ajello, R. A. West, C. J. Hansen, B. T. Tsurutani, W. S. Kurth, G. B. Hospodarsky, D. A. Gurnett, K. C. Hansen, J. H. Waite, Jr., F. J. Crary, D. T. Young, N. Krupp, J. T. Clarke, D. Grodent, and M. K. Dougherty. Cassini UVIS observations of Jupiter's auroral variability. 2005. *Icarus*, 178, 312–326. LASP reprint 1058.

Online at: http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WGF-4GY878X-2&_user=918210&_coverDate=11%2F15%2F2005&_alid=379982032&_rdoc=1&_fmt=full&_orig=search&_cdi=6821&_sort=d&_st=4&_docanchor=&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&_md5=e3134a16410fbc0c80c001a94cafe350

Shemansky, D.E., A.I.F. Stewart, R.A. West, L.W. Esposito, J.T. Hallet, and X. Liu. 2005. The Cassini UVIS stellar probe of the Titan atmosphere. *Science*. 308, 978-982. LASP reprint 1012.

Online at: http://www.sciencemag.org/cgi/content/full/308/5724/978?maxtoshow=&HITS=10&hits=10&RESULTFORMAT=&fulltext=shemansky&searchid=1141151017288_4494&FIRSTINDEX=0&journalcode=sci

Esposito, L. W. 2006. *Planetary Rings*, Cambridge, UK: Cambridge University Press.

Colwell, J. E., L. W. Esposito, and M. Sremcevic. 2006. Gravitational Wakes in Saturn's A ring measured by Stellar Occultations from Cassini. *GRL*, 33, L07201, doi:10.1029/2005GL025163. LASP reprint 1053.

Online at: <http://www.agu.org/pubs/crossref/2006.../2005GL025163.shtml>

Hansen, C. J., L. W. Esposito, A. I. F. Stewart, J. Colwell, A. R. Hendrix, W. Pryor, D. E. Shemansky, and R. A. West. 2006. Enceladus' Water Vapor Plume. *Science*. 311. no.5766. 1422-1425. LASP reprint 1061.

Online at: <http://www.sciencemag.org/cgi/content/full/311/5766/1422?maxtoshow=&HITS=10&hits=10&RESULTFORMAT=&fulltext=enceladus%27+water+vapor+plume&searchid=1&FIRSTINDEX=0&resourcetype=HWCIT>

Parkinson, C.D., A.I.F. Stewart, A.S. Wong, Y.L. Yung, J.M. Ajello. 2006. Enhanced transport in the polar mesosphere of Jupiter: evidence from Cassini UVIS helium 584 angstrom airglow"; *Journal Of Geophysical Research*-part E-planets; Volume 111 Issue E2.

Online at: <http://www.agu.org/pubs/crossref/2006.../2005JE002539.shtml>

Ajello, J. M., M. H. Stevens, A. I. F. Stewart, K. Larsen, L. W. Esposito, J.E. Colwell, W. E. McClintock, G. Holsclaw, J. Gustin, W. R. Pryor. 2007. Titan Airglow Spectra from Cassini UVIS: I. EUV Analysis. *Geophys. Res. Lett.* 34, L24204, doi:10.1029/2007GL031555. LASP Reprint #1092.

Online at: <http://www.agu.org/journals/gl/gl0724/2007GL031555/>

André, N.; M. Blanc, S. Maurice, P. Schippers, E. Pallier, T.I. Gombosi, K.C. Hansen, D.T. Young, F.J. Crary, S. Bolton, E.C. Sittler, H.T. Smith, R.E. Johnson, R. A. Baragiola, A. J. Coates, A. M. Rymer, M.K. Dougherty, N. Achilleos, C.S. Arridge, S.M. Krimigis, D.G. Mitchell, N. Krupp, D. C. Hamilton, I. Dandouras, D. A. Gurnett, W.S. Kurth, P. Louarn, R. Srama, S. Kempf, H.J. Waite, L.W. Esposito, J.T. Clarke. 2008. Identification of Saturn's Magnetospheric Regions and Associated Plasma Processes: Synopsis of Cassini

Observations During Orbit Insertion, *Rev. Geophys.* 46, RG4008,
doi:10.1029/2007RG000238.

Online at: <http://www.agu.org/journals/rg/rg0804/2007RG000238/>

Colwell, J.E., L. W. Esposito, M. Sremcevic, G. R. Stewart, and W. E. McClintock. 2007. Self-Gravity Wakes and Radial Structure of Saturn's B Ring. *Icarus*. 190, 127-144. LASP reprint 1089.

Online at: [http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WGF-4NGKWDH-1&_user=918210&_coverDate=09%2F30%2F2007&_rdoc=11&_fmt=full&_orig=browse&_srch=doc-info\(%23toc%236821%232007%23998099998%23665908%23FLA%23display%23Volume\)&_cdi=6821&_sort=d&_docanchor=&_ct=22&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&_md5=005a51c4046dfe1462a7280eb315e317](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WGF-4NGKWDH-1&_user=918210&_coverDate=09%2F30%2F2007&_rdoc=11&_fmt=full&_orig=browse&_srch=doc-info(%23toc%236821%232007%23998099998%23665908%23FLA%23display%23Volume)&_cdi=6821&_sort=d&_docanchor=&_ct=22&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&_md5=005a51c4046dfe1462a7280eb315e317)

Esposito, L.W., E.R. Stofan, T. Cravens. 2007. Exploring Venus. Introductory chapter to “Exploring Venus as a terrestrial planet”, *AGU Monograph Series*, Volume 176, 1-6. No LASP Reprint, book. NON-UVIS PAPER

Online at: <https://www.agu.org/cgi-bin/agubookstore?book=SEGM1764412>

Markiewicz, W.J., D.V. Titov,, N. Ignatiev, H.U. Keller, D. Crisp, S.S. Limaye, R. Jaumann, R. Moissl, N. Thomas, L. Esposito, S. Watanabe, B. Fiethe, T. Behnke, I. Szemerey, H. Michalik, H. Perplies, M. Wedemeier, I. Sebastian, W. Boogaerts, S.F. Hviid, C. Dierker, B. Osterloh, W. Boker, M. Koch, H. Michaelis, D. Belyaev, A. Dannenberg, M. Tschimmel, P. Russo, T. Roatsch, K.D. Matz. Venus Monitoring Camera for Venus Express. 2007. *Planetary and Space Science*. 55, 1701-1711. LASP reprint 1091

Online at: [http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6V6T-4MWXPX5-2&_user=918210&_coverDate=10%2F31%2F2007&_rdoc=5&_fmt=full&_orig=browse&_srch=doc-info\(%23toc%235823%232007%23999449987%23669897%23FLA%23display%23Volume\)&_cdi=5823&_sort=d&_docanchor=&_ct=15&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&_md5=8e6a8f75889f4fc1fdee1f2dd2b5f688](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6V6T-4MWXPX5-2&_user=918210&_coverDate=10%2F31%2F2007&_rdoc=5&_fmt=full&_orig=browse&_srch=doc-info(%23toc%235823%232007%23999449987%23669897%23FLA%23display%23Volume)&_cdi=5823&_sort=d&_docanchor=&_ct=15&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&_md5=8e6a8f75889f4fc1fdee1f2dd2b5f688)

Mills, F.P., L.W. Esposito, Y.L. Yung. 2007. Atmospheric composition, chemistry and clouds. A chapter in “Exploring Venus as a terrestrial planet”, *AGU Monograph Series*, Volume 176, 73-100. No LASP Reprint, book.

Online at: <https://www.agu.org/cgi-bin/agubookstore?book=SEGM1764412>

Tian, F., A.I.F. Stewart, O. B. Toon, K. Larsen, L. W. Esposito. 2007. Monte Carlo Simulations of the water vapor plume on Enceladus. *Icarus* 188, 154–161. LASP reprint 1087.

Online at: http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WGF-4MV1B19-3&_user=918210&_coverDate=05%2F31%2F2007&_rdoc=1&_fmt=&_orig=search&_sort=d&_view=c&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&_md5=a4118fb96857dde15c1badd8e2655076

Ajello, J., J. Gustin, A.I.F. Stewart, K. Larsen, L.W. Esposito, W. Pryor, W. McClintock, M. H. Stevens, C.P. Malone and D. Dziczek. 2008. Titan airglow spectra from the Cassini Ultraviolet Imaging Spectrograph: FUV disk analysis. *Geophys. Res. Lett.* 35, L06102, doi:10.1029/2007GL032315. LASP Reprint #1106.

Online at: <http://www.agu.org/pubs/crossref/2008/2007GL032315.shtml>

André, N.; M. Blanc, S. Maurice, P. Schippers, E. Pallier, T.I. Gombosi, K.C. Hansen, D.T. Young, F.J. Cray, S. Bolton, E.C. Sittler, H.T. Smith, R.E. Johnson, R. A. Baragiola, A. J.

Coates, A. M. Rymer, M.K. Dougherty, N. Achilleos, C.S. Arridge, S.M. Krimigis, D.G. Mitchell, N. Krupp, D. C. Hamilton, I. Dandouras, D. A. Gurnett, W.S. Kurth, P. Louarn, R. Srama, S. Kempf, H.J. Waite, L.W. Esposito, J.T. Clarke. 2008. Identification of Saturn's Magnetospheric Regions and Associated Plasma Processes: Synopsis of Cassini Observations During Orbit Insertion, *Rev. Geophys.* 46, RG4008, doi:10.1029/2007RG000238.

Online at: <http://www.agu.org/journals/rg/rg0804/2007RG000238/>

Esposito, L.W., B. K. Meinke, J.E. Colwell, P.D. Nicholson, M.M. Hedman. 2008. Moonlets and Clumps in Saturn's F Ring. *Icarus*. Vol 194/1, 278-289. LASP reprint 1102.

Online at: <http://dx.doi.org/10.1016/j.icarus.2007.10.001>

Hansen, C. J., Esposito, L.W., Stewart, A.I.F., Meinke, B., Wallis, B., Colwell, J., Hendrix, A.R., Larsen, K., Pryor, W., Tian, F. 2008. Water Vapor Jets in Enceladus' Plume. *Nature*. 456, 477-479.

Online at: <http://www.nature.com/nature/journal/v456/n7221/abs/nature07542.html>

Pryor, W., P. Gangopadhyay, B. Sandel, T. Forrester, E. Quemerais, E. Moebius, L. Esposito, I. Stewart, B. McClintock, A. Jouchoux, J. Colwell, V. Izmodenov, Y. Malama, K. Tobiska, D. Shemansky, J. Ajello, C.Hansen, and M. Bzowski. 2008. Radiation transport of heliospheric Lyman-alpha from combined Cassini and Voyager data sets. *Astronomy and Astrophysics*. A&A 491, 21-28.

Online at:

<http://www.aanda.org/index.php?option=article&access=standard&Itemid=129&url=/articles/aa/abs/2008/43/aa8862-07/aa8862-07.html>

Colwell, J. E., Cooney, J. H., Esposito, L. W., Sremcevic, M. 2009. Density Waves in Cassini UVIS Stellar Occultations 1. The Cassini Division. *Icarus*. 200, 574-580.

Online at: http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6WGF-4VB01WD-5&_user=918210&_rdoc=1&_fmt=&_orig=search&_sort=d&_view=c&_acct=C000047944&_version=1&_urlVersion=0&_userid=918210&md5=edf43d17133f5a8d1f37a1fb01119190

Albers, N., M. Sremcevic, J.E. Colwell, and L.W. Esposito. 2009. Saturn's F Ring as seen by Cassini UVIS: Kinematics and Statistics. *Icarus*. (Submitted February 23, 2009)

Gustin, J., J.M. Ajello, M.H. Stevens, A.W. Stephan, I. Stewart, K. Larsen, L.W. Esposito, W. McClintock. 2009. "Titan Airglow Spectra from Cassini UVIS: III. FUV Limb Analysis." *GRL* (To be submitted March 25, 2009)

Dougherty, M.K., Esposito, L. W. and Krimigis, S.M., Eds. 2009. *Saturn from Cassini-Huygens*. Dordrecht, Netherlands: Springer-Verlag.

Online at: http://www.springerlink.com/content/978-1-4020-9216-9?sortorder=asc&p_o=10

Dougherty, M.K., Esposito, L. W. and Krimigis, S.M., Eds. 2009. Overview. In *Saturn from Cassini-Huygens*. M. Dougherty et al. Eds. pp.1-8. Dordrecht, Netherlands: Springer-Verlag.

Online at: http://www.springerlink.com/content/978-1-4020-9216-9?sortorder=asc&p_o=10

- Charnoz, S., L. Dones, L.W. Esposito, P.R. Estrada, M.M. Hedman. 2009.** Origin and evolution of Saturn's ring system, A chapter in the book *Saturn From Cassini-Huygens*. M. Dougherty et al. Eds. 17, 537-575. Dordrecht, Netherlands: Springer-Verlag.
Online at: http://www.springerlink.com/content/978-1-4020-9216-9?sortorder=asc&p_o=10
- Spencer, J.R., A. C. Barr, L.W. Esposito, P. Helfenstein, A.P. Ingersoll, R. Jaumann, C.P. McKay, F. Nimmo, C.C. Porco, J.H. Waite. 2009.** Enceladus: An Active Cryovolcanic Satellite. A chapter in the book *Saturn From Cassini-Huygens*. M. Dougherty et al. Eds. 21, 683-724. Dordrecht, Netherlands: Springer-Verlag.
Online at: http://www.springerlink.com/content/978-1-4020-9216-9?sortorder=asc&p_o=20
- Cuzzi, J. N., J. A. Burns, S. Charnoz, R. N. Clark, J. E. Colwell, L. Dones, L. W. Esposito, G. Filacchione, R. G. French, M. M. Hedman, S. Kempf, E. A. Marouf, C. D. Murray, P. D. Nicholson, C. C. Porco, J. Schmidt, M. R. Showalter, L. J. Spilker, J. N. Spitale, R. Srama, M. Sremčević, M. S. Tiscareno, J. Weiss. 2010.** An Evolving View of Saturn's Dynamic Rings. *Science* (Submitted Nov. 2009)
- Esposito, L.W. 2010.** Composition, Structure, Dynamics and Evolution of Saturn's rings. *Annual Review of Earth & Planetary Sciences*, Vol. 38 (Submitted September 28, 2009)
- Esposito, L.S., N. Albers, B. K. Meinke, M. Sremcevic, J. Colwell. 2010.** Moon-triggered Clumping in Saturn's Rings. *Icarus*. (Submitted Oct. 2, 2009)
- Hedelt, P., Y. Ito, H.U. Keller, R. Reulke, P. Wurz, H. Lammer, H. Rauer, L. Esposito. 2009.** Titan's atomic hydrogen corona. *Icarus*. (Submitted 11/9/09)
- Albers, N, M. Sremcevic, J.E. Colwell, and L.W. Esposito. 2009.** Saturn's F Ring as seen by Cassini UVIS: Kinematics and Statistics. *Icarus*. (Submitted February 23, 2009)
- Bradley, E. T., Colwell, J.E., Esposito, L.W., Cuzzi, J.N., Tollerud, H., Chambers, L., 2009.** Far Ultraviolet Spectral Properties of Saturn's Rings from Cassini UVIS. *Icarus*. (Submitted to 6/9/09. Resubmitted 11/6/09)