

## VITA

David Jewitt

### Address

Dept. Earth, Planetary and Space Sciences, UCLA  
595 Charles Young Drive East, Box 951567  
Los Angeles, CA 90095-1567

jewitt@ucla.edu, <http://www2.ess.ucla.edu/~jewitt/>

### Education

|        |                                    |      |
|--------|------------------------------------|------|
| B. Sc. | University College London          | 1979 |
| M. S.  | California Institute of Technology | 1980 |
| Ph. D. | California Institute of Technology | 1983 |

### Professional Experience

|                                    |   |           |
|------------------------------------|---|-----------|
| Summer Student                     | Royal Greenwich Observatory                   | 1978      |
| Anthony Fellowship                 | California Institute of Technology            | 1979-1980 |
| Research Assistant                 | California Institute of Technology            | 1980-1983 |
| Assistant Professor                | Massachusetts Institute of Technology         | 1983-1988 |
| Associate Professor and Astronomer | University of Hawaii                          | 1988-1993 |
| Professor and Astronomer           | University of Hawaii                          | 1993-2009 |
| Professor                          | Dept. Earth, Planetary & Space Sciences, UCLA | 2009-     |
|                                    | Inst. of Geophys & Planetary Physics, UCLA    | 2009-2011 |
|                                    | Dept. Physics & Astronomy, UCLA               | 2010-     |
| Director                           | Institute for Planets & Exoplanets, UCLA,     | 2011-     |

### Honors

|   |           |
|---|-----------|
| Regent's Medal, University of Hawaii                                  | 1994      |
| Scientist of the Year, ARCS   | 1996      |
| Exceptional Scientific Achievement Award, NASA                        | 1996      |
| Fellow of University College London                                   | 1998      |
| Fellow of the American Academy of Arts and Sciences                   | 2005      |
| Fellow of the American Association for the Advancement of Science     | 2005      |
| Member of the National Academy of Sciences                            | 2005      |
| National Observatory, Chinese Academy of Sciences, Honorary Professor | 2006-2011 |
| National Central University, Taiwan, Adjunct Professor                | 2007      |
| The Shaw Prize for Astronomy  | 2012      |
| The Kavli Prize for Astrophysics                                      | 2012      |
| Foreign Member, Norwegian Academy of Sciences & Letters               | 2012      |

### Research Interests

Solar System Formation, Trans-Neptunian solar system  
Physical properties of comets and cometary dust  
Comet - asteroid interrelations, Centaurs, irregular satellites, Trojans, Active Asteroids  
Submillimeter properties of comets & young stars

## Recent Professional Service

### A) External Committees

- NASA Subkilometer Asteroid Threat Science Definition Team, 2002-2003
- Cambridge Planetary Science Series Editor, 2003-present
- Editorial Committee, Annual Reviews of Astronomy and Astrophysics, 2005-2008
- NAS/NRC "Review of NEO Surveys and Hazard Mitigation Strategies", 2008-2009
- NASA SOFIA TAC Chair (Planets and Star Formation), 2010
- Keck Institute for Space Studies, Cryogenic Comet Sample Return (organizer), 2017
- ESO Solar System Beyond Neptune Workshop, Science Committee 2017 - 2018

### B) Internal Committees

- EPSS Public Outreach Committee, Chair 2013 - 2015
- EPSS Merit Increase Committee, 2018 - 2019

### C) Education and Public Outreach

- Popular Articles written for Scientific American, Physics World, Sky & Telescope
- Contributor to TV and radio documentaries (BBC, NHK Tokyo, Xinhua, PBS)
- Saas Fee Lecturer: Comets and Trans-Neptunian Objects, Mürren, Switzerland, 2005.
- Lecturer at Kobe Winter School in Planetary Science, Kobe, Japan, 2006.
- Vanderbilt Seyfert Lecturer, 2010
- Gold Lecturer, Cornell, 2013; Outer Solar System and Main-Belt Comets
- University of Toronto Planet Day lecturer 2017
- International School for Young Astronomers, Ethiopia (2017), Kunming (2019)
- <http://www2.ess.ucla.edu/~jewitt/kb.html> (million+ hits)

## Recent Teaching

- EPSS 9: Solar System and Planets (GE)
- EPSS 15: Introduction to Oceanography (GE)
- EPSS 200E: Planetary Origins (Grad)
- EPSS 264: Orders of Magnitude (Grad)
- EPS 298: Hot Topics in Planetary Science (Grad)

## Graduate Student Advisees

- *Karen Meech*, BA 1981 (Rice Univ.), PhD 1988 (MIT), "Activity in Distant Comets". First position: Professor at Univ. Hawaii.
- *Jane Luu*, BS 1984 (Stanford Univ.), PhD 1992 (MIT), "Physical Studies of Primitive Solar System Bodies". Senior Scientist at Lincoln Laboratory, MIT.
- *Matthew Senay*, AB 1983 (St. Louis Univ.), PhD 1997 (UH), "Sources of Activity in Distant Comets", Postdoc U. Mass. Amherst.
- *Paul Kalas* BS 1989 (Univ. Michigan), PhD 1997 (UH), "A Coronagraphic Survey for Circumstellar Disks around Main Sequence and Pre-main Sequence Stars", Astronomer, U. C. Berkeley
- *Jun Chen*, BS 1990 (Peking University), PhD 1997 (UH). "A search for Trojan asteroids". First position: Software engineer, NETdelivery Corporation

- *Chadwick Trujillo* BS 1995 (MIT), PhD 2000 (UH). "Bright Objects in the outer Solar System". First position: Postdoc, Dept. Geological and Planetary Sciences, Caltech. Professor Northern Arizona University.
- *Daniel Potter*, BS 1994 (Univ. Colorado), PhD 2003 (UH). "A search for debris disks with a dual channel adaptive optics imaging polarimeter". Postdoc at Steward Observatory, Univ. Arizona.
- *Scott Sheppard*, BS 1998 (Oberlin College), PhD 2004 (UH). "The Jovian System: from satellites to Trojans to Jupiter family comets". Permanent staff at Carnegie Institute of Washington.
- *Henry Hsieh*, BA 2000 (Harvard), MS 2003 (UH). "Comets Amongst the Asteroids: Icy Planetesimals in the Inner Solar System". PhD 2007. Researcher, Planetary Science Institute.
- *Bin Yang*, BS 2000 (Beijing Normal University), MS 2003 (National Astronomical Observatory of China). "Probing Water in Small Bodies". PhD 2009. Astronomer, European Southern Observatory
- *Rachel Stevenson*, MSc 2006 (University College London). "Holmes and Hydration". PhD 2012 (UCLA). NASA Postdoc at JPL.
- *Man-To Hui*, BSc 2013 (Wuhan University). PhD 2019 (UCLA).
- *Ariel Graykowski*, BS 2015 (University of California at Davis). Currently PhD student.
- *Dave Milewski*, BS 2013 (University of California at Los Angeles). Currently PhD student.

#### **Recent Postdoctoral Advisees**

- *Michal Drahus*, now postdoc at Jagellonian University, Krakow, Poland
- *Aurelie Guilbert-Lepoutre* (was Herschel Fellow), now Assistant Prof. CNRS, France
- *Hilke Schlichting* (was Hubble Fellow), now Assoc. Prof. at UCLA

**Publications** (invited papers in **bold** font)

- D. C. Jewitt, G. E. Danielson and S. P. Synott (1979), "Discovery of a New Jupiter Satellite", *Science*, 206, 951.
- D. C. Jewitt and G. E. Danielson (1981), "The Jovian Ring", *Journal of Geophysical Research*, 86, 8691.
- G. Neugebauer, E. E. Becklin, D. C. Jewitt, R. J. Terrile and G. E. Danielson (1981), "Spectra of the Jovian Rings and Amalthea", *Astronomical Journal*, 86, 607.
- D. C. Jewitt, R. J. Terrile and G. E. Danielson (1981), "Ground Based Observations of the Jovian Rings and Amalthea", *Icarus*, 48, 536.
- D. C. Jewitt (1982), "**The Ring of Jupiter**", in *Satellites of Jupiter*, ed. by D. Morrison, University of Arizona Press, Tucson.
- D. C. Jewitt, P. N. Kupferman, G. E. Danielson and S. P. Maran (1982), "Distribution of Forbidden Neutral Carbon Emission in the Ring Nebula (NGC 6720)", *Astrophysical Journal*, 268, 683.
- D. C. Jewitt, B. T. Soifer, G. Neugebauer, K. Matthews, and G. E. Danielson (1982), "Visual and Infrared Observations of the Distant Comets P/Stephan-Oterma, Panther and Bowell", *Astronomical Journal*, 87, 1854.
- D. C. Jewitt (1984), "Coma Expansion and Photometry of Comet Bowell", *Icarus*, 60, 373.
- D. C. Jewitt and G. E. Danielson (1984), "Charge Coupled Device Photometry of Comet P/Halley", *Icarus*, 60, 435.
- R. Remillard and D. C. Jewitt (1985), "A Comparison of the Continuum Spectra of Four Comets", *Icarus*, 64, 27.
- D. C. Jewitt and K. J. Meech (1985), "Rotation of the Nucleus of Comet P/Arend-Rigaux", *Icarus*, 64, 329.
- D. C. Jewitt, G. E. Danielson and P. N. Kupferman (1986), "Halos Around Planetary Nebulae", *Astrophysical Journal*, 302, 727.
- K. J. Meech, D. C. Jewitt and G. R. Ricker (1986), "Early Photometry of Comet P/Halley: Development of the Coma", *Icarus*, 66, 561.
- D. C. Jewitt and K. J. Meech (1986), "Cometary Grain Scattering Versus Wavelength or What Color is Comet Dust?", *Astrophysical Journal*, 310, 937.

- D. C. Jewitt and K. J. Meech (1987), "CCD Photometry of Comet P/Encke", *Astronomical Journal*, 93, 1542.
- D. C. Jewitt and K. J. Meech (1987), "Surface Brightness Profiles of Ten Comets", *Astrophysical Journal*, 317, 992.
- K. J. Meech and D. C. Jewitt (1987), "Comet Bowell at Record Heliocentric Distance", *Nature*, 328, 506.
- K. J. Meech and D. C. Jewitt (1987), "Observations of Comet P/Halley at Minimum Phase Angle", *Astron. & Astrophys.*, 187, 585 - 593.
- D. C. Jewitt and K. J. Meech (1988), "Optical Properties of Cometary Nuclei and a Preliminary Comparison with Asteroids", *Astrophysical Journal*, 328, 974-986.
- J. X. Luu and D. C. Jewitt (1988), "A Two Part Search for Slow Moving Objects", *Astronomical Journal*, 95, 1256-1262.
- D. C. Jewitt and K. J. Meech (1988), "Absence of a Color - Distance Trend in Comets", *Astronomical Journal*, 96, 1723-1730.
- D. C. Jewitt and J. X. Luu (1989), "A CCD Portrait of Comet P/Tempel 2", *Astronomical Journal*, 97, 1766 - 1790.
- J. X. Luu and D. C. Jewitt (1989), "On the Relative Numbers of C-Types and S-Types Among Near Earth Asteroids", *Astronomical Journal*, 98, 1905 - 1911.
- D. C. Jewitt (1990), "The Persistent Coma of Comet P/Schwassmann Wachmann 1", *Astrophysical Journal*, 351, 277-286.
- J. X. Luu and D. C. Jewitt (1990), "CCD Spectra of Asteroids I. Near-Earth and 3:1 Resonance Asteroids", *Astronomical Journal*, 99, 1985-2011.
- J. X. Luu and D. C. Jewitt (1990), "The Nucleus of Comet P/Encke", *Icarus*, 86, 69-81.
- D. C. Jewitt and J. X. Luu (1990), "CCD Spectra of Asteroids II. The Trojans as Spectral Analogues of Cometary Nuclei", *Astronomical Journal*, 100, 933-944.
- J. X. Luu and D. C. Jewitt (1990), "Cometary Activity in 2060 Chiron", *Astronomical Journal*, 100, 913-932.
- D. C. Jewitt and J. X. Luu (1990), "The Submillimeter Radio Continuum of Comet Brorsen-Metcalf", *Astrophysical Journal*, 365, 738-747.

- D. C. Jewitt (1990), "**Far-IR and Submillimeter Radiation from Cometary and Circumstellar Dust**", 24th ESLAB Symposium, "Formation of Stars and Planets and the Evolution of the Solar System", Friedrichshafen, W. Germany. ESA SP-315, 113-120.
- D. C. Jewitt (1991), "**Cometary Photometry**", in Comets In The Post - Halley Era, eds. R. Newburn, M. Neugebauer and J. Rahe. Kluwer Academic Publishers, Netherlands. pp. 19 - 65.
- D. C. Jewitt and J. X. Luu (1992), "Submillimeter Continuum Observations of 2060 Chiron", *Astronomical Journal*, 104, 398-404.
- J. X. Luu and D. C. Jewitt (1992), "High Resolution Surface Brightness Profiles of Near-Earth Asteroids", *Icarus*, 97, 276-287.
- J. X. Luu and D. C. Jewitt (1992), "Near-Aphelion CCD Photometry of Comet P/Schwassmann Wachmann 2", *Astronomical Journal*, 104, 2243-2249.
- D. C. Jewitt and J. X. Luu (1992), "Submillimeter Continuum Emission from Comets", *Icarus*, 100, 187-196.
- D. C. Jewitt (1992), "**Physical Properties of Cometary Nuclei**". In Proceedings of the 30th Liege International Astrophysical Colloquium, edited by A. Brahic, J.-C. Gerard and J. Surdej, Univ. Liege Press, Liege, pp. 85-112.
- D. C. Jewitt and J. X. Luu (1993), "Discovery of the Candidate Kuiper Belt Object 1992 QB1". *Nature*, 362, 730-732.
- J. Annis, and D. C. Jewitt (1993), "A Search for Cold Dust in Clusters of Galaxies with Cooling Flows", *Mon. Not. Roy. Astr. Soc.*, 264, 593-596.
- D. C. Jewitt (1994), "Heat from Pluto", *Astronomical Journal*, 107, 372-378.
- J. Chen and D. Jewitt (1994), "On The Rate At Which Comets Split", *Icarus*, 108, 265-271.
- D. C. Jewitt (1994), "Submillimeter Constraints on Dust Near Lindroos' Post T-Tauri Stars", *Astronomical Journal*, 108, 661-665.
- J. X. Luu, D. C. Jewitt and E. Cloutis (1994). "Near Infrared Spectroscopy of Primitive Solar System Objects", *Icarus*, 109, 133-144.
- M. Senay and D. Jewitt (1994), "Activity in a Distant Comet: First Detection of Carbon Monoxide", *Nature*, 371, 229-231.
- D. C. Jewitt (1994), "**Overview of Planets and their Atmospheres**", in Topics in Atmospheric and Interstellar Physics and Chemistry, edited by C. Boutron, Les Editions de Physique, Grenoble, France, pp. 1-15.

- D. C. Jewitt and J. X. Luu (1995), "The Solar System Beyond Neptune", *Astronomical Journal*, 109, 1867-1876.
- D. C. Jewitt (1995), "Pre-Impact Observations of P/Shoemaker-Levy 9", in Proceedings of the European SL-9/Jupiter Workshop, eds. R. West and H. Bönhardt, European Southern Observatory, Munich, pp. 1-4.
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- H. Weaver and D. Jewitt (1995), "**The String of Pearls**", in The Great Comet Crash, eds. J. Spencer and J. Mitton, Cambridge University Press, Cambridge, pp. 45 - 54.
- J. Luu and D. Jewitt (1996), "Reflection Spectrum of the Kuiper Belt Object 1993 SC", *Astron. J.*, 111, 499-503.
- D. Jewitt, M. Senay, and H. Matthews (1996), "Observations of Carbon Monoxide in Comet Hale-Bopp", *Science*, 271, 1110-1113.
- D. C. Jewitt (1996), "From Comets to Asteroids: When Hairy Stars Go Bald", *Earth, Moon and Planets*, 72, 185-201.
- P. Kalas and D. Jewitt (1996), "The Detectability of  $\beta$  Pictoris-type Circumstellar Disks Around Nearby Main-Sequence Stars", *Astron. J.*, 111, 1347-1355.
- D. Jewitt (1996), "Debris from Comet P/Swift-Tuttle", *Astron. J.*, 111, 1713-1717.
- J. Luu and D. Jewitt (1996). "**The Kuiper Belt**". *Scientific American*, May 1996 issue (pp. 48-55).
- D. Jewitt, J. Luu and J. Chen (1996). "The Mauna-Kea Cerro-Tololo (MKCT) Kuiper Belt and Centaur Survey", *Astron. J.*, 112, 1225-1238.
- J. Luu and D. Jewitt (1996). "Color Diversity Among the Centaurs and Kuiper Belt Objects", *Astron. J.*, 112, 2310.
- D. Jewitt and H. E. Matthews (1997). "Submillimeter Continuum Observations of Comet Hyakutake (1996B2)", *Astron. J.*, 113, 1145-1151.

- P. Kalas and D. Jewitt (1997). "A Candidate Dust Disk Surrounding the Binary Stellar System BD+31°643". *Nature*, 386, 52-54.
- D. Jewitt and J. Luu (1997). "**The Kuiper Belt**". In *Stardust to Planetesimals*, edited by Y. V. Pendleton and A. Tielens, Astronomical Society of the Pacific Conference Series Volume 122, San Francisco, pp. 335 - 345.
- J. Luu, B. Marsden, D. Jewitt, C. Trujillo, C. Hergenrother, J. Chen and W. Offutt (1997). A New Dynamical Class in the Outer Solar System. *Nature*, 387, 573.
- D. Jewitt, H. E. Matthews, T. Owen and R. Meier (1997). The 12C/13C, 14N/15N and 32S/34S Isotope Ratios in Comet Hale-Bopp (C/1995 O1). *Science*, 278, 90-93.
- R. Meier, T. Owen, H. Matthews, D. Jewitt, Bockelee-Morvan, D., Biver, N., Crovisier, J., and Gautier, D. (1998). A Determination of the HDO/H<sub>2</sub>O Ratio in Comet C/1995 O1 (Hale-Bopp). *Science*, 279, 842-844.
- J. Luu and D. Jewitt (1998). Optical and Near Infrared Reflection Spectrum of Kuiper Belt Object 1996 TL66. *Ap. J.*, 494, L117.
- C. Trujillo and D. Jewitt (1998). A Semi-Automated Sky Survey for Slow-Moving Objects Suitable for a Pluto Express Mission Encounter. *Astron. J.*, 115, 1680-1687.
- Meier, R., Owen, T., Jewitt, D., Matthews, H., Senay, M., Biver, N., Bockelee-Morvan, D., Crovisier, J., and Gautier, D. (1998). Deuterium in Comet C/1995 O1 (Hale-Bopp): Detection of DCN. *Science*, 279, 1707-1710.
- D. Jewitt and J. Luu (1998). Spectral Diversity in the Kuiper Belt from Optical and Infrared Observations. *Astron. J.*, 115, 1667-1670.
- D. Jewitt, J. Luu and C. Trujillo (1998). Large Kuiper Belt Objects: The Mauna Kea 8k CCD Survey. *Astron. J.*, 115, 2125.
- D. Jewitt and P. Kalas (1998). Thermal Infrared Observations of Centaur 1997 CU26. *Astrophys. J., Lett*, 499, L103-106.
- W. Irvine, E. Bergin, J. Dickens, D. Jewitt, A. Lovell, H. Matthews, F. P. Schloerb, and M. Senay. (1998). Chemical Processing in the Coma as the Source of Cometary HNC. *Nature*, 393, 547-550.
- W. Irvine, J. Dickens, A. Lovell, F. P. Schloerb, M. Senay, E. Bergin, D. Jewitt and H. Matthews. (1998). Chemistry in Cometary Comae. *Faraday Discuss.*, 109, 475-492.
- J. Luu, and D. Jewitt (1998). Deep Imaging of the Kuiper Belt with the Keck 10-meter Telescope. *Ap. J. Lett.*, 502, L91-94.



- J. Raymond, et al. (1998). Solar Wind from Observations of C/1996 Y1. *Ap. J.*, 508, 410.
- D. Jewitt and H. Matthews (1999). Particulate Mass Loss from Comet Hale-Bopp. *Astron. J.*, 117, 1056-1062.
- D. Jewitt (1999). **Kuiper Belt Objects**. *Annual Reviews of Earth and Planetary Science*, 27, 287-312.
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- C. Trujillo, D. Jewitt and J. Luu (2000). Population of the Scattered Kuiper Belt. *Ap. J. Lett*, 529, L103.
- D. Jewitt (1999). **The Kuiper Belt**. *Physics World*, 12, No. 7, 37-41.
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- D. Jewitt, C. Trujillo and J. Luu (2000). Population and Size Distribution of Small Jovian Trojan Asteroids. *Astron. J.*, 120, 1140-1147.
- D. Jewitt and J. Luu (2000). **The Kuiper Belt**. In *Protostars and Planets IV*. Edited by Vince Mannings, A. Boss and S. Russell, University of Arizona Press, Tucson. pp:1201-1229.
- S. Sheppard, Jewitt, D., Trujillo, C., Brown, M., and Ashley, M. (2000). A Wide Field CCD Survey for Centaurs and Kuiper belt Objects. *Astron. J.* 120, 2687-2694.
- J. Li, Jewitt, D., and Labonte, B. (2000). On the Nature of Solar Polar Rays. *Ap. J. Lett.*, 539, L67-70.
- A. Fitzsimmons, Jewitt, D., and West, R. (2000). *Minor Bodies in the Outer Solar System*. Springer Press, Berlin.
- Y. Fernandez, D. Jewitt and S. Sheppard (2001). Low Albedos of Dead Comet Nucleus Candidates. *Ap. J. Lett*, 553, 197-200.
- C. Trujillo, D. Jewitt and J. Luu (2001). Statistical Properties of the Trans-Neptunian Belt: The CFHT Survey. *Astronomical Journal*, 122, 457-473.
- D. Jewitt, and Fernandez, Y. (2001). **Physical Properties of Planet-Crossing Objects**. In *Collisional Processes in the Solar System*. ed. H. Rickman and M. Marov. Astrophysics and Space Science Library Series, Kluwer Academic Publishers, Dordrecht, pp. 143-161.
- D. Jewitt, H. Aussel, A. Evans (2001). The size and albedo of the Kuiper-belt object (20000) Varuna. *Nature*, 411, 446-447

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- D. Jewitt and S. Sheppard (2002). Rotation and Shape of Trans-Neptunian Object (20000) Varuna. *Astronomical Journal*, 123, 2110-2120.
- S. Sheppard and D. Jewitt (2002). Time-Resolved Photometry of Kuiper Belt Objects: Rotations, Shapes and Phase Functions. *Astronomical Journal*, 124, 1757-1775.
- D. Jewitt (2002). **The Kuiper Belt As An Evolved Circumstellar Disk**. In *The Origins of Stars and Planets: The VLT View*. Eds. J. Alves and M. McCaughrean, Springer Verlag, Heidelberg, pp. 405-415
- D. Jewitt (2002). **From Kuiper Belt to Comet Nucleus**. In *Proceedings of Asteroids, Comets, Meteors 2002*, ESA Special Publications Series, SP-500, ESA Pub. Division, Noordwijk. pp. 11-20.
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- D. Jewitt, S. Sheppard and C. Porco (2004). **Jupiter's Outer Satellites and Trojans**. In JUPITER II, edited by Fran Bagenal, Cambridge University Press, Cambridge.
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- H. Hsieh and D. Jewitt (2005). Search for Activity in (3200) Phaethon. *Ap. J.*, 624, 1093-1096.
- D. Jewitt (2005). **From Cradle to Grave: The Rise and Demise of the Comets**. In COMETS II, edited by M. Festou, H. Weaver and U. Keller. Univ. Az. Press, Tucson.
- D. Jewitt and S. Sheppard (2005). **Irregular Satellites in the Context of Giant Planet Formation**. *Space Sci. Review* 116, 441-456.
- Y. Fernandez, D. Jewitt and S. Sheppard (2005). Albedos of Asteroids in Comet-Like Orbits. *Astronomical Journal*, 130, 308-318.
- A. Delsanti and D. Jewitt (2006). **The Solar System Beyond the Planets**. In *Solar System Update*, edited by Ph. Blondel and J. Mason, Springer-Praxis, Germany, pp. 267-294.
- H. Hsieh and D. Jewitt (2006). **Active Asteroids: Mystery in the Main Belt**. In *Asteroids, Comets and Meteors 2005*, IAU Symp. 229, edited by D. Lazzaro, S. Ferraz-Mello and J. Fernandez, Cambridge University Press, Cambridge, pp. 425-438.
- D. Jewitt (2006). Comet D/1819 W1 (Blanpain): Not Dead Yet. *Astron. J.* 131, 2327-2331.
- S. Sheppard, D. Jewitt and J. Kleyna. (2006). A Survey for "Normal" Irregular Satellites Around Neptune: Limits to Completeness. *Astron. J.*, 132, 171-176.
- D. Jewitt and H. Hsieh (2006). Physical Observations of 2005 UD: A Mini Phaethon. *Astronomical Journal*, 132, 1624-1629.
- D. Jewitt, S. Sheppard and J. Kleyna. (2006). **The Strangest Satellites in the Solar System**. *Scientific American*, August issue, pp. 40-47.
- W. Zheng, D. Jewitt and R. Kaiser. (2006). Temperature Dependence of the Formation of

Hydrogen, Oxygen and Hydrogen Peroxide in Electron-Irradiated Crystalline Water Ice. *Astrophysical Journal*, 648, 753-761.

- D. Jewitt, L. Chizmadia, R. Grimm and D. Prrialnik (2007). **Water in Small Bodies of the Solar System**. In *Protostars and Planets V*, (eds. B. Reipurth, D. Jewitt and K. Keil), Univ. Az. Press, Tucson, pp. 863-878.
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