

## Peer-Reviewed Research Publications

## 2008

1. "L Dwarf Binaries in the 20-parsec Sample." Reid, IN, Cruz, KL, **Burgasser, AJ**, & Liu, MC. 2008, *Astronomical Journal*, in press
2. "Clouds, Gravity and Metallicity in Blue L Dwarfs: The Case of 2MASS J11263991-5003550." **Burgasser, AJ**, Looper, DL, Kirkpatrick, JD, Cruz, KL, & Swift, BJ. 2008, *Astrophysical Journal*, in press
3. "Parallax and Luminosity Measurements of an L Subdwarf." **Burgasser, AJ**, Vrba, FJ, Lepine, S, Munn, JA, Luginbuhl, CB, Henden, AA, Guetter, HH, & Canzian, BC. 2008, *Astrophysical Journal*, in press

## 2007

4. "Discovery of an M9.5 Candidate Brown Dwarf in the TW Hydrae Association - DENIS J124514.1-442907." Looper, DL, **Burgasser, AJ**, Kirkpatrick, JD, & Swift, BJ. 2007, *Astrophysical Journal Letters*, **669**, L97-L100
5. "SDSS J080531.84+481233.0: An Unresolved L Dwarf/T Dwarf Binary." **Burgasser, AJ**. 2007, *Astronomical Journal*, **134**, 1330-1336
6. "Discovery of 11 New T Dwarfs in the Two Micron All-Sky Survey, Including a Possible L/T Transition Binary." Looper, DL, Kirkpatrick, JD, & **Burgasser, AJ**. 2007, *Astronomical Journal*, **134**, 1162-1182
7. "Discovery of a 66 mas Ultracool Binary with Laser Guide Star Adaptive Optics." Siegler, N, Close, LM, **Burgasser, AJ**, Cruz, KL, Marois, C, Macintosh, B, & Barman, T. 2007, *Astronomical Journal*, **133**, 2320-2326
8. "Binaries and the L Dwarf/T Dwarf Transition." **Burgasser, AJ**. 2007, *Astrophysical Journal*, **659**, 655-674
9. "The NIRSPEC Brown Dwarf Spectroscopic Survey II: High-Resolution J-Band Spectra of M, L and T Dwarfs." Mclean, IS, Prato, L, McGovern, MR, **Burgasser, AJ**, Kirkpatrick, JD, Rice, EL & Kim, SS. 2007, *Astrophysical Journal*, **658**, 1217-1235
10. "The Physical Properties of HD 3651B: An Extrasolar Nemesis?" **Burgasser, AJ**. 2007, *Astrophysical Journal*, **658**, 617-621
11. "Discovery of a High Proper Motion L Dwarf Binary: 2MASS J15200224-4422419AB." **Burgasser, AJ**, Looper, DL, Kirkpatrick, JD, & Liu, MC. 2007, *Astrophysical Journal*, **658**, 557-568
12. "Optical Spectroscopy of 2MASS Color-Selected Ultracool Subdwarfs." **Burgasser, AJ**, Cruz, KL, & Kirkpatrick, JD. 2007, *Astrophysical Journal*, **657**, 494-510
13. "On the Nature of the Unique H $\alpha$ -Emitting T Dwarf 2MASS J12373919+6526148." Liebert, J, & **Burgasser, AJ**. 2007, *Astrophysical Journal*, **655**, 522-527

14. "Meeting the Cool Neighbors. IX. The Luminosity Function of M7-L8 Ultracool Dwarfs in the Field." Cruz, KL, Reid, IN, Kirkpatrick, JD, **Burgasser, AJ**, Liebert, J, Solomon, AR, Schmidt, SJ, Allen, PR, Hawley, SL, & Covey, KR. 2007, *Astronomical Journal*, **133**, 439-467

## 2006

15. "Resolved Spectroscopy of M Dwarf/L Dwarf Binaries. II. 2MASS J17072343-0558249AB" McElwain, MW & **Burgasser, AJ**. 2006, *Astronomical Journal*, **132**, 2074-2081
16. "On the CO Near-IR Band and the Line Splitting Phenomenon in the Yellow Hypergiant Rho Cassiopeiae." Gorlova, N, Lobel, A, **Burgasser, AJ**, Rieke, GH, Ilyin, I, & Stauffer, JR. 2006, *Astrophysical Journal*, **651**, 1130-1150
17. "Hubble Space Telescope NICMOS Observations of T Dwarfs: Brown Dwarf Multiplicity and New Probes of the L/T Transition." **Burgasser, AJ**, Kirkpatrick, JD, Cruz, KL, Reid, IN, Leggett, SK, Liebert, J, Burrows, A & Brown, ME. 2006, *Astrophysical Journal Supplement*, **166**, 585-612
18. "Discovery of the Coolest Extreme Subdwarf." **Burgasser, AJ** & Kirkpatrick, JD. 2006, *Astrophysical Journal*, **645**, 1485-1497
19. A Search for Binary Systems among the Nearest L Dwarfs." Reid, IN, Lewitus, E, Allen, PR, Cruz, KL, & **Burgasser, AJ**. 2006, *Astronomical Journal*, **132**, 891-901
20. "Discovery of a Very Young Field L Dwarf, 2MASS J01415823-4633574." Kirkpatrick, JD, Barman, TS, **Burgasser, AJ**, McGovern, MR, McLean, IS, Tinney, CG, & Lowrance, PJ. 2006, *Astrophysical Journal*, **639**, 1120-1128
21. "2MASS J22521073-1730134: A Resolved L/T Binary at 14 Parsecs." Reid, IN, Lewitus, E, **Burgasser, AJ** & Cruz, KL. 2006, *Astrophysical Journal*, **639**, 1114-1119
22. "A Method for Determining the Physical Properties of the Coldest Known Brown Dwarfs." **Burgasser, AJ**, Burrows, A, & Kirkpatrick, JD. 2006, *Astrophysical Journal*, **639**, 1095-1113
23. "Isolated Massive Supergiants Near the Galactic Center." Munro, MP, Bower, GC, **Burgasser, AJ**, Baganoff, FK, Morris, MR, & Brandt, WN. 2006, *Astronomical Journal*, **638**, 183-190
24. "A Unified Near Infrared Spectral Classification Scheme for T Dwarfs." **Burgasser, AJ**, Geballe, TR, Leggett, SK, Kirkpatrick, JD & Golimowski, DA. 2006, *Astrophysical Journal*, **637**, 1067-1093
25. "Resolved Spectroscopy of M Dwarf/L Dwarf Binaries. I. DENIS J220002.05-303832.9AB." **Burgasser, AJ** & McElwain, MW. 2006, *Astronomical Journal*, **131**, 1007-1014

## 2005

26. "SDSS J042348.57-041403.5AB: A Brown Dwarf Binary Straddling the L/T Transition." **Burgasser, AJ**, Reid, IN, Kirkpatrick, JD, Leggett, SK, Liebert, J & Burrows, A. 2006, *Astrophysical Journal Letters*, **634**, L177-L180.

27. "The 2MASS Wide-Field T Dwarf Search. V. Discovery of a T Dwarf via Methane Imaging." Ellis, SC, Tinney, CG, **Burgasser, AJ**, Kirkpatrick, JD, & McElwain, MW. 2005, *Astronomical Journal*, **130**, 2347-2351.
28. "The 2MASS Wide-Field T Dwarf Search. IV. Hunting out T dwarfs with Methane Imaging." Tinney, CG, **Burgasser, AJ**, Kirkpatrick, JD, & McElwain, MW. 2005, *Astronomical Journal*, **130**, 2326-2346.
29. "Quiescent Radio Emission from Southern Late-type M Dwarfs and a Spectacular Radio Flare from the M8 Dwarf DENIS 1048-3956." **Burgasser, AJ** & Putman, ME. 2005, *Astrophysical Journal*, **626**, 486-497.
30. "Multiplicity among Widely Separated Brown Dwarf Companions to Nearby Stars: Gliese 337CD." **Burgasser, AJ**, Kirkpatrick, JD, & Lowrance, PJ. 2005, *Astronomical Journal*, **129**, 2849-2855.
31. "Stars in the Hubble Ultra Deep Field." Pirzkal, N, Sahu, KC, **Burgasser, AJ**, Moustakas, LA, Xu, C, Malhotra, S, Rhoads, JE, Koekemoer, AM, Nelan, EP, Windhorst, RA, Panagia, N, Gronwall, C, Pasquali, A, & Walsh, JR. 2005, *Astrophysical Journal*, **622**, 319-332.

## 2004

32. "T Dwarfs and the Substellar Mass Function." **Burgasser, AJ**. 2004, *Astrophysical Journal Supplement*, **155**, 191-207
33. "Discovery of a Second L Subdwarf in the Two Micron All Sky Survey." **Burgasser, AJ**. 2004, *Astrophysical Journal Letters*, **614**, L73-L76
34. "Meeting the Cool Neighbors VIII: A preliminary 20-parsec census from the NLTT catalogue." Reid, IN, Cruz, KL, Allen, PR, Kilkenny, D, Liebert, J, Hawley, SL, Fraser, O, Covey, K, Lowrance, P, Kirkpatrick, JD, & **Burgasser, AJ**. 2004, *Astronomical Journal*, **128**, 463-483
35. "Preliminary Parallaxes of 40 L and T Dwarfs from the US Naval Observatory Infrared Astrometry Program." Vrba, FJ, Henden, AA, Luginbuhl, CB, Guetter, HH, Munn, JA, Canzian, B, **Burgasser, AJ**, Kirkpatrick, JD, Fan, X, Geballe, TR, Golimowski, DA, Knapp, GR, Leggett, SK, Schneider, DP, & Brinkmann, J. 2004, *Astronomical Journal*, **127**, 2948-2968
36. "The 2MASS Wide-Field T Dwarf Search. III. Seven New T Dwarfs and Other Cool Dwarf Discoveries." **Burgasser, AJ**, McElwain, MW, Kirkpatrick, JD, Cruz, KL, Tinney, CG, & Reid, IN. 2004, *Astronomical Journal*, **127**, 2856-2870
37. "S Orionis 70: Just a Foreground Field Brown Dwarf?" **Burgasser, AJ**, Kirkpatrick, JD, McGovern, MR, McLean, IS, Prato, L, & Reid, IN. 2004, *Astrophysical Journal*, **604**, 827-831
38. "2MASS J05185995-2828372: Discovery of an Unresolved L/T Binary." Cruz, KL, **Burgasser, AJ**, Reid, IN, & Liebert, J. 2004, *Astrophysical Journal Letters*, **604**, L61-L64
39. "Identifying Young Brown Dwarfs Using Gravity-Sensitive Spectral Features." McGovern, MR, Kirkpatrick, JD, McLean, IS, **Burgasser, AJ**, Prato, L, & Lowrance, PJ. 2004, *Astrophysical Journal*, **600**, 1020-1024

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40. "The 2MASS Wide-field T dwarf Search. II. Discovery of Three T Dwarfs in the Southern Hemisphere." **Burgasser, AJ**, McElwain, MW, & Kirkpatrick, JD. 2003, *Astronomical Journal*, **126**, 2487-2494.
41. "The NIRSPEC Brown Dwarf Spectroscopic Survey. I. Low Resolution Spectra." McLean, IS, McGovern, MR, **Burgasser, AJ**, Prato, L, & Kirkpatrick, JD. 2003, **596**, *Astrophysical Journal*, 561-586.
42. "The Spectra of T dwarfs. II. Red Optical Data." **Burgasser, AJ**, Kirkpatrick, JD, Liebert, J, & Burrows, A. 2003, *Astrophysical Journal*, **594**, 510-524.
43. "The First Substellar Subdwarf? Discovery of a Metal-Poor L Dwarf with Halo Kinematics." **Burgasser, AJ**, Kirkpatrick, JD, Burrows, A, Liebert, J, Reid, IN, Gizis, JE, McGovern, MR, Prato, L, & McLean, IS. 2003, *Astrophysical Journal*, **592**, 1186-1192.
44. "Photometric Variability at the L/T Boundary." Enoch, ML, Brown, ME, & **Burgasser, AJ**. 2003, *Astronomical Journal*, **126**, 1006-1016.
45. "Infrared Parallaxes for Methane T Dwarfs." Tinney, CG, **Burgasser, AJ**, & Kirkpatrick, JD. 2003, *Astronomical Journal*, **126**, 975-992.
46. "Hubble Space Telescope Observations of Binary Very-Low-Mass Stars and Brown Dwarfs." Gizis, JE, Reid, IN, Knapp, GR, Liebert, J, Kirkpatrick, JD, Koerner, DW, & **Burgasser, AJ**. 2003, *Astronomical Journal*, **125**, 3302-3310.
47. "Binarity in Brown Dwarfs: T Dwarf Binaries Discovered with the Hubble Space Telescope WFPC2." **Burgasser, AJ**, Reid, IN, Kirkpatrick, JD, Brown, ME, Miskay, CL, & Gizis, JE. 2003, *Astrophysical Journal*, **586**, 512-526.
48. "The 2MASS Wide-Field T Dwarf Search. I. Discovery of a Bright T Dwarf Within 10 pc of the Sun." **Burgasser, AJ**, Kirkpatrick, JD, McElwain, MW, Cutri, RM, Burgasser, AJ, & Skrutskie, MF. 2003, *Astronomical Journal*, **125**, 850-857.
49. "A Flaring L5 Dwarf: The Nature of H $\alpha$  Emission in Very Low Mass (Sub)Stellar Objects." Liebert, J, Kirkpatrick, JD, Cruz, KL, Reid, IN, **Burgasser, AJ**, Tinney, CG, & Gizis, JE. 2003, *Astronomical Journal*, **125**, 343-347.

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50. "Astrometry and Photometry for Cool Dwarfs and Brown Dwarfs." Dahn, CC, Harris, HC, Vrba, FJ, Guetter, HH, Canzian, B, Henden, AA, Levine, SE, Luginbuhl, CB, Monet, AKB, Monet, DG, Pier, JR, Stone, RC, Walker, RL, **Burgasser, AJ**, Gizis, JE, Kirkpatrick, JD, Liebert, J, & Reid, IN, 2002, *Astronomical Journal*, **124**, 1170-1189.
51. "Theoretical Spectral Models of T Dwarfs at Short Wavelengths." Burrows, A, **Burgasser, AJ**, Kirkpatrick, JD, Liebert, J, Milsom, JA, Sudarsky, D, & Hubeny, I. 2002, *Astrophysical Journal*, **573**, 394-417.

52. "Evidence of Cloud Disruption in the L/T Dwarf Transition." **Burgasser, AJ**, Marley, MS, Ackerman, AS, Saumon, D, Lodders, K, Dahn, CC, Harris, HC, & Kirkpatrick, JD. 2002, *Astrophysical Journal Letters*, **571**, L151-L154.
53. "A Search for Variability in the Active T Dwarf 2MASS 1237+6526." **Burgasser, AJ**, Liebert, J, Kirkpatrick, JD, & Gizis, JE. 2002, *Astronomical Journal*, **123**, 2744-2753.
54. "The Spectra of T Dwarfs. I. Near-Infrared Data and Spectral Classification." **Burgasser, AJ**, Kirkpatrick, JD, Brown, ME, Reid, IN, Burrows, A, Liebert, J, Matthews, K, Gizis, JE, Dahn, CC, Monet, DG, Cutri, RM, & Skrutskie, MF. 2002, *Astrophysical Journal*, **564**, 421-451.

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55. "Near-Infrared Spectroscopy of Brown Dwarfs: Methane and the Transition between the L and T Spectral Types." McLean, IS, Prato, L, Kim, SS, Wilcox, MK, Kirkpatrick, JD, & **Burgasser, AJ**. 2001, *Astrophysical Journal Letters*, **561**, L115-L118.
56. "Brown Dwarf Companions to G-Type Stars. I. Gliese 417B and Gliese 584C." Kirkpatrick, JD, Dahn, CC, Monet, DG, Reid, IN, Gizis, JE, Liebert, J, & **Burgasser, AJ**. 2001, *Astronomical Journal*, **121**, 3235-3253.
57. "Substellar Companions to Main-Sequence Stars: No Brown Dwarf Desert at Wide Separations." Gizis, JE, Kirkpatrick, JD, **Burgasser, AJ**, Reid, IN, Monet, DG, Liebert, J, & Wilson, JC. 2001, *Astrophysical Journal Letters*, **551**, L163-L166.
58. "Near-Infrared Spectral Classification of Late M and L Dwarfs." Reid, IN, **Burgasser, AJ**, Cruz, KL, Kirkpatrick, JD, & Gizis, JE. 2001, *Astronomical Journal*, **121**, 1710-1721.

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59. "Discovery of a Bright Field Methane (T-Type) Brown Dwarf by 2MASS." **Burgasser, AJ**, Wilson, JC, Kirkpatrick, JD, Skrutskie, MF, Colonna, MR, Enos, AT, Smith, JD, Henderson, CP, Gizis, JE, Brown, ME, & Houck, JR. 2000, *Astronomical Journal*, **120**, 1100-1105.
60. "Detection of H $\alpha$  Emission in a Methane (T Type) Brown Dwarf." **Burgasser, AJ**, Kirkpatrick, JD, Reid, IN, Liebert, J, Gizis, JE, & Brown, ME. 2000, *Astronomical Journal*, **120**, 473-478.
61. "67 Additional L Dwarfs Discovered by the Two Micron All Sky Survey." Kirkpatrick, JD, Reid, IN, Liebert, J, Gizis, JE, **Burgasser, AJ**, Monet, DG, Dahn, CC, Nelson, B, & Williams, RJ, 2000, *Astronomical Journal*, **120**, 447-472.
62. "NIRSPEC Brown Dwarf Spectroscopic Survey." Wilcox, MK, McLean, IS, Becklin, EE, Figer, DF, Gilbert, AM, Graham, JR, Larkin, JE, Levenson, NA, Teplitz, HI, Kirkpatrick, JD, & **Burgasser, AJ**. 2000, *Proceedings of the SPIE*, **4005**, 296-300.
63. "An Improved Red Spectrum of the Methane or T Dwarf SDSS 1624+0029: The Role of Alkali Metals." Liebert, J, Reid, IN, Burrows, A, **Burgasser, AJ**, Kirkpatrick, JD, & Gizis, JE. 2000, *Astrophysical Journal Letters*, **533**, L155-L158.
64. "Discovery of a Brown Dwarf Companion to Gliese 570ABC: A 2MASS T Dwarf Significantly Cooler than Gliese 229B." **Burgasser, AJ**, Kirkpatrick, JD, Cutri, RM, McCallon, H, Kopan, G,

Gizis, JE, Liebert, J, Reid, IN, Brown, ME, Monet, DG, Dahn, CC, Beichman, CA, & Skrutskie, MF. 2000, *Astrophysical Journal Letters*, **531**, L57-L60.

65. "Two nearby M dwarf binaries from the Two Micron All Sky Survey." Gizis, JE, Monet, DG, Reid, IN, Kirkpatrick, JD, & **Burgasser, AJ**. 2000, *Monthly Notices of the Royal Astronomical Society*, **311**, 385-388.
66. "Four Nearby L Dwarfs." Reid, IN, Kirkpatrick, JD, Gizis, JE, Dahn, CC, Monet, DG, Williams, RJ, Liebert, J, & **Burgasser, AJ**. 2000, *Astronomical Journal*, **119**, 369-377.

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67. "Discovery of Four Field Methane (T-Type) Dwarfs with the Two Micron All-Sky Survey." **Burgasser, AJ**, Kirkpatrick, JD, Brown, ME, Reid, IN, Gizis, JE, Dahn, CC, Monet, DG, Beichman, CA, Liebert, J, Cutri, RM, & Skrutskie, MF. 1999, *Astrophysical Journal Letters*, **522**, L65-L68.
68. "L Dwarfs and the Substellar Mass Function." Reid, IN, Kirkpatrick, JD, Liebert, J, Burrows, A, Gizis, JE, **Burgasser, AJ**, Dahn, CC, Monet, DG, Cutri, RM, Beichman, CA, & Skrutskie, MF. 1999, *Astrophysical Journal*, **521**, 613-629.

## Conference Proceedings

### 2007

1. "Ultracool Subdwarfs: Subsolar Metallicity Objects Down to Substellar Masses." **Burgasser, AJ**. 2007 in Proceedings of the 14th Cambridge Workshop on Cool Stars, Stellar Systems and the Sun, in preparation
2. "A New Population of Young Brown Dwarfs." Cruz, KL, Kirkpatrick, JD, **Burgasser, AJ**, Looper, D, Mohanty, S, Prato, L, Faherty, J, & Solomon A. 2007, in Proceedings of the 14th Cambridge Workshop on Cool Stars, Stellar Systems and the Sun, in preparation
3. "Not Alone: Tracing the Origins of Very Low Mass Stars and Brown Dwarfs Through Multiplicity Studies." **Burgasser, AJ**, Reid, IN, Siegler, N, Close, L, Allen, P, Lowrance, PJ, & Gizis, JE. 2007, in Planets and Protostars V, Ed. B Reipurth, D Jewitt and K Keil (University of Arizona Press, Tucson), ), pp. 427-441

### 2005

4. "Spitzer Studies of Ultracool Subdwarfs: Metal-poor Late-type M, L and T Dwarfs." **Burgasser, AJ**. 2005, in The Spitzer Space Telescope: New Views of the Cosmos, November 2004 (San Francisco: ASP), in preparation
5. "Ultracool Subdwarfs: Metal-poor Stars and Brown Dwarfs Extending into the Late-type M, L and T Dwarf Regimes." **Burgasser, AJ**, Kirkpatrick, JD, & Lepine, S. 2005, in the 13th

Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, July 2004, ed. F Favata (ESA-SP) in press.

6. "Spectral Classification Beyond M." Leggett, SK, Allard, F, **Burgasser, AJ**, Jones, HRA, Marley, MS, & Tsuji, T. 2005, in The 13th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, July 2004, ed. F Favata (ESA-SP) in press.

## 2003

7. "Classification of L and T Dwarfs." **Burgasser, AJ**, & Kirkpatrick, JD. 2003, in the Garrison Festschrift, eds. R Gray, CJ Corbally, & AG Davis Philip (Schenectady: L. Davis Press), pp. 3.
8. "New M and L Dwarfs Confirmed with CorMASS." Wilson, JC, Miller, NA, Gizis, JE, Skrutskie, MF, Houck, JR, Kirkpatrick, JD, **Burgasser, AJ** & Monet, DG. 2003, in IAU Symposium 211: Brown Dwarfs, ed. EL Martín (San Francisco: ASP), p. 197.
9. "The Classification of T Dwarfs." **Burgasser, AJ**, Golimowski, DA, Geballe, TR, Leggett, SK, & Kirkpatrick, JD. 2003, in IAU Symposium 211: Brown Dwarfs, ed. EL Martín (San Francisco: ASP), p. 377.
10. "The NIRSPEC Brown Dwarf Spectroscopic Survey." McLean, IS, McGovern, MR, Prato, L, **Burgasser, AJ**, & Kirkpatrick, JD. 2003, in IAU Symposium 211: Brown Dwarfs, ed. EL Martín (San Francisco: ASP), p. 385.
11. "The First Infrared Parallaxes for T-dwarfs." Tinney, CG, **Burgasser, AJ**, & Kirkpatrick, JD. 2003, in IAU Symposium 211: Brown Dwarfs, ed. EL Martín (San Francisco: ASP), p. 405.
12. "Testing for Photometric Variability at the L/T Boundary." Enoch, ML, Brown, ME, & **Burgasser, AJ**. 2003, in IAU Symposium 211: Brown Dwarfs, ed. EL Martín (San Francisco: ASP), p. 459.
13. "The Spectra and Classification of L and T Dwarfs." **Burgasser, AJ**. 2003, in Cool Stars, Stellar Systems, and the Sun: 12th Cambridge Workshop, eds. A Brown, GM Harper, & TR Ayres (U. Colorado), pp. 110-119

## 2001

14. "T Dwarf Discoveries by 2MASS." **Burgasser, AJ**. 2001, in Tetons 4: Galactic Structure, Stars, and the Interstellar Medium, ASP Conf. Series 231, eds. CE Woodward, MD Bica, & JM Shull (San Francisco: ASP), p. 411.
15. "Low Luminosity Companions to Nearby Stars: Status of the 2MASS Data Search." Kirkpatrick, JD, Gizis, JE, **Burgasser, AJ**, Wilson, JC, Dahn, CC, Monet, DG, Reid, IN, & Liebert, J. 2001, in Ultracool Dwarfs: New Spectral Types L and T, eds. HRA Jones & IA Steele (Berlin: Springer-Verlag), p. 125.
16. "The Classification of T Dwarfs." **Burgasser, AJ**, Kirkpatrick, JD, & Brown, ME. 2001, in Ultracool Dwarfs: New Spectral Types L and T, eds. HRA Jones & IA Steele (Berlin: Springer-Verlag), p. 169.

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17. “Discovering T Dwarfs with 2MASS.” **Burgasser, AJ**, Kirkpatrick, JD, Brown, ME, Reid, IN, Beichman, CA, Cutri, RM, Gizis, JE, Skrutskie, MF, Dahn, CC, Monet, DG, & Liebert, J. 2000, in *From Giant Planets to Cool Stars*, ASP Conf. Series 212, eds. CA Griffith & MS Marley (San Francisco: ASP), p. 65.
18. “2MASS Brown Dwarfs and a First Estimate of the Substellar Mass Function.” Liebert, J, Reid, IN, Kirkpatrick, JD, Burrows, A, Gizis, JE, **Burgasser, AJ**, Dahn, CC, Monet, DG, Cutri, RM, Beichman, C, & Skrutskie, MF. 2000, in *From Extrasolar Planets to Cosmology: The VLT Opening Symposium, Proceedings of the ESO Symposium held at Antofagasta, Chile, 1-4 March 1999*, eds. J Bergeron and A Renzini (Berlin: Springer-Verlag), p. 505.

## Ph.D. Thesis

“The Discovery and Characterization of Methane-bearing Brown Dwarfs and the Definition of the T Spectral Class.” **Burgasser, AJ**. 2001, PhD Thesis, California Institute of Technology.

## Popular Articles and Other Publications

1. “Minor Planet Observations [304 Las Campanas Observatory].” Kern, SD, & **Burgasser, AJ**. 2007, *Minor Planet Circular*, 59863, 11
2. “What Is a Planet?” McCaughrean, M, Reid, N, Tinney, C, Kirkpatrick, D, Hillenbrand, L, **Burgasser, AJ**, Gizis, J, & Hawley. 2001, *Science*, **291**, 1487-1488
3. “Oh Be A Fine Girl Kiss Me (Right Now Sweetheart) Lovingly Tender.” Jones, HRA, & **Burgasser, AJ**. 2000, in *Northern Lights*, newsletter for the XXIVth IAU General Assembly, ed. J Mason (Manchester, U. Manchester), Vol. 6, p. 3
4. “GRB000630, Optical Observations.” Yost, S, Harrison, F, & **Burgasser, AJ**. 2000, *GRB Coordinates Network*, **744**, 1.