

JOHN J. BOCHANSKI

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Education	UNIVERSITY OF WASHINGTON Seattle WA, USA Ph.D., Astronomy, June 2008 Thesis Title: "M Dwarfs in the Local Milky Way: the Field Low-Mass Stellar Luminosity and Mass Functions" Thesis Advisor: Suzanne L. Hawley	Aug. 2002 – Aug. 2008
	UNIVERSITY OF WASHINGTON Seattle WA, USA M.S., Astronomy	Aug. 2002 – June 2005
	VILLANOVA UNIVERSITY Villanova, PA USA B.S., Astronomy & Astrophysics, magna cum laude	Aug. 1998 – May 2002
Honors	Research Corporation for Science Advancement - Scialog Fellow	2018
	Namesake of Main-belt asteroid 141414 Bochanski (2002 AK205)	2012
	MIT Spot Award	2009, 2010
	Elected to Phi Beta Kappa	2002
	Jason Cardelli Memorial Undergraduate Research Award	2002
	National Barry M. Goldwater Scholar	2001
	Elected to Phi Kappa Phi	2001
Elected to Sigma Pi Sigma Physics	2000	
Professional Experience	PROGRAM FOUNDER & DIRECTOR, COMPUTER SCIENCE Rider University	2016 – Present
	ASSISTANT PROFESSOR OF PHYSICS Rider University	2014 – Present
	VISITING ASSISTANT PROFESSOR Haverford College	2013 – 2014
	POSTDOCTORAL SCHOLAR Haverford College Supervisor: Beth Willman	2012 – 2014
	POSTDOCTORAL SCHOLAR Pennsylvania State University Supervisor: Kevin Luhman	2010 – 2012
	POSTDOCTORAL ASSOCIATE Massachusetts Institute of Technology Supervisors: Adam Burgasser & Rob Simcoe	2008 – 2010

	INSTRUCTOR University of Washington Robinson Center	Summer 2005, 2006
	TEACHING ASSISTANT University of Washington	7 quarters, 2002 – 2008
Courses Taught	Physics 180 - Astronomy Physics 200 - General Physics I Physics 201 - General Physics II Physics 200/201L - General Physics Lab I & II Science 480 - Science Friday Seminar & Journal Club Physics 250 - Scientific Computing Honors 215 -The Universe and Origins of Life Computer Science 110 - Computer Science I Astronomy 114 - Planetary Astronomy Physics of Sports	Rider, 2014–Present Rider, 2014–Present Rider, 2014–Present Rider, 2014–Present Rider, 2016–Present Rider, 2016 Rider, 2015 Rider, 2017 Haverford, 2013 U.W., 2005–2006
Mentoring Experience	PROJECT ADVISOR, RIDER UNIVERSITY Supervised undergraduate and high school students on multiple projects, including data from WISE and SDSS. PROJECT ADVISOR, HAVERFORD COLLEGE Supervised undergraduate researchers on multiple projects, using data from HST, SDSS, Kepler, as well as simulations of LSST. UROP ADVISOR, MIT Supervised undergraduate students in research projects. PROJECT ADVISOR, U. OF WASHINGTON Supervised under-represented freshman in research projects as part of UW Astronomy’s PreMAP program.	2015 – Present 2012 – 2014 2009 – 2010 2006 – 2007
Selected Grants	PI, LSST CORPORATION <i>Engaging Underrepresented Young Scientists in Astronomy with LSST</i> , \$10,000 CO-PI, INDEPENDENT COLLEGE FUND OF NEW JERSEY <i>Reinforcing Bioinformatics in the Undergraduate Classroom and Research Laboratory for the Next Generation of Scientists</i> , \$5,000 PI, HUBBLE SPACE TELESCOPE OBSERVATIONS HST-GO-12208, <i>Resolving Disks and Jets in a New, Benchmark Low-Mass Binary</i> , \$18,602 CO-I, NSF ASTRONOMY AND ASTROPHYSICS RESEARCH GRANTS AST 06-07644, PI Hawley, <i>Low Mass Stellar Luminosity and Mass Functions</i> , \$131,499 CO-I, NSF RESEARCH FOR UNDERGRADUATE INSTITUTIONS RUI 1009903, PI Guinan, <i>A Comprehensive RUI Study of Red Dwarf Stars: Ages, Rotation, Magnetic Activity and Suitability for Life</i> , \$360,896	2017 2017 2011 – 2013 2007 – 2009 2010 – 2012

Selected	TOMORROW'S VIEW OF OUR UNIVERSE	May 2018
Invited Talks	TedX@Solebury School, New Hope, PA	
	THE NEXT GENERATION OF MILKY WAY SURVEY SCIENCE University of Delaware, Newark, DE University of Colorado, Boulder, CO	Apr. 2018
	MEETING THE NEW NEIGHBORS: THE MILKY WAY AND ITS COMPANIONS Franklin Institute, Philadelphia, PA	Sep. 2016
	WHERE DOES THE MILKY WAY END? The College of New Jersey, Ewing, NJ	Oct. 2015
	DATA DRIVEN DISCOVERY: ASTRONOMY IN THE ERA OF LARGE SURVEYS Talks @ Google, Mountain View, CA	Jan. 2015
	HUNTING THE MOST DISTANT STARS IN THE MILKY WAY Columbia University, New York, NY, Mar. 2015 Rutgers University, New Brunswick, NJ, Nov. 2014 Center for Astrophysics, Cambridge, MA Apr. 2014	
	GAIA & ULTRA-COOL DWARFS: WHAT WILL WE LEARN? Invited Review, Gaia & The Unseen: The Brown Dwarf Question Conference Turin, Italy	Mar. 2014
	THE MOST IMPORTANT TELESCOPE YOU'VE NEVER HEARD OF Franklin Institute, Philadelphia, PA	Jun. 2013
	BIG SURVEYS & LITTLE STARS: SDSS M DWARFS & THE LOCAL MILKY WAY Physics Colloquium, Drexel University, May 2012 Physics & Astronomy Colloquium, Georgia State University, Mar. 2012 Physics & Space Sciences Colloquium, Florida Institute of Technology, Dec. 2011 Physics & Astronomy Seminar, U. of Delaware, Nov. 2011 Physics Colloquium, Bucknell University, Mar. 2011	
	LOW-MASS BINARIES IN SDSS Invited Review, Stars, Companions and their Interactions: A Memorial to Robert H. Koch, Villanova University	Aug. 2011
	LOW-MASS STARS IN SDSS: GALACTIC STRUCTURE, KINEMATICS AND THE LUMINOSITY FUNCTION Invited Review, Cool Stars XVI	Aug. 2010
	OUR 15 MILLION NEAREST NEIGHBORS: M DWARFS AND THE LOCAL MILKY WAY Astronomy Seminar, University of Rochester, Rochester, NY, May 2010 Cosmology Seminar, Stanford University, Stanford, CA, May 2010 Astronomy Seminar, Columbia University, New York, NY, April 2010 Astronomy Colloquium, Boston University, Boston, MA, Nov. 2009 Astronomy Seminar, Department of Terrestrial Magnetism, Nov. 2009 Physics and Astronomy Colloquium, SUNY Stony Brook, Stony Brook, NY, Oct. 2009 Astrophysics Seminar, Brown University, Providence, RI, Sep. 2009	
	LOW-MASS STARS IN SDSS: MASS FUNCTIONS AND GALACTIC STRUCTURE Astronomy Colloquium, American Museum of Natural History, New York, NY, Nov. 2007 Star Formation and ISM Talk, University of California, Berkeley, CA, Aug. 2007	

Professional Service	FACULTY ADVISOR Faculty Advisor to Student Chapter of Association of Computing Machinery	2018 – Present
	REFeree Refereed journal articles for the AJ, ApJ, MNRAS, A&A, and PASP	2007 – Present
	NSF & NASA PANEL REVIEWER	2015 – Present
	CO-CHAIR OF LSST STARS, MILKY WAY AND LOCAL VOLUME SCIENCE WORKING GROUP	2013 – Present
	SPLINTER SESSION CO-ORGANIZER & CHAIR, COOL STARS 16,17,20	2010 – 2018
	HUBBLE SPACE TELESCOPE TAC GALACTIC PANEL MEMBER, CYCLES 20 & 21	2012 – 2013
	PENN STATE POSTDOCTORAL SOCIETY, EXECUTIVE COMMITTEE	2011 – 2012
	ASTRONOMY CLIMATE & DIVERSITY COMMITTEE MEMBER Postdoctoral representative	2011 – 2012
	SPECIAL AAS SESSION, ORGANIZER AND CHAIR Selected speakers and chaired the session titled “Low–Mass Stellar Science in the Era of Large Surveys” at the 218th AAS meeting.	2011
	LOCAL ORGANIZING COMMITTEE MEMBER, COOL STARS XVI	2009 – 2010
	POSTDOCTORAL REPRESENTATIVE, KAVLI INSTITUTE, MIT	2008 – 2010
	ORGANIZER, MIT POSTDOC SYMPOSIUM Organized and chaired a three-day symposium for MIT MKI postdocs	2009, 2010
GRADUATE STUDENT REPRESENTATIVE Graduate student representative during faculty meetings and student contact for department chair.	2004 – 2006	
Public Outreach	LOCAL MEDIA OUTREACH Discussed recent astronomical events on multiple radio stations and newspapers in Philadelphia, PA and Trenton, NJ regions.	2013 – Present
	CONTRIBUTING AUTHOR, SKY & TELESCOPE MAGAZINE Wrote short articles on astronomy news for Sky & Telescope’s website and print magazine.	2012 – Present
	VOLUNTEER, FRANKLIN INSTITUTE & PHILADELPHIA SCIENCE FESTIVAL Volunteered during the ten–day, city–wide event promoting STEM organizations.	2012 – Present
	JUDGE, PENNSYLVANIA JUNIOR ACADEMY OF SCIENCE Served as a judge for state–wide grade school student science competition	2011

	PUBLIC TALKS Spoke at multiple public venues in Philadelphia, Boston, Seattle and Central NJ.	2006 – Present
	COORDINATOR, UW ASTRONOMY DEPARTMENT OPEN HOUSE Coordinated the bi-annual Open House of the Astronomy Department.	2006
	WEBMASTER, SDSS IMAGE OF THE WEEK Selected interesting images for SDSS's Image of the Week website and authored a caption for each selection.	2006 – 2008
	VOLUNTEER, THURGOOD MARSHALL ELEMENTARY SCHOOL Volunteered as part of an effort to include astronomy in the science curriculum of 4 th /5 th grade students (non-native English speakers).	2005 – 2006
	GEAR UP INSTRUCTOR, UNIVERSITY OF WASHINGTON Taught an introductory astronomy class to college-bound high school students.	2004
	OFFICER, HISPANIC SCHOLARSHIP CHAPTER, UNIVERSITY OF WASHINGTON Coordinated meetings of the Hispanic Scholarship Chapter of the UW.	2003 – 2004
Selected Observing Experience	GEMINI OBSERVATORY Awarded fifty hours of PI time with the 8.4m Gemini-South Telescope, Chile. Approximate cost to operate Gemini 3000 USD / hour.	Spring 2015
	MMT OBSERVATORY Awarded three nights of CoI time with the 6.5m MMT at Mt. Hopkins.	Fall 2013
	KEPLER SPACE TELESCOPE PI of GO Program GO40045 . Obtained low-cadence data on 60 white dwarf-m dwarf binary candidates.	Cycle 4 – 2012
	HUBBLE SPACE TELESCOPE PI of GO Program 12208 (3 orbits). Obtained high-resolution optical imaging of two young, nearby M dwarfs with WFC3.	Cycle 18
	HOBBY-EBERLY TELESCOPE Awarded 16.1 hours of observing time for optical spectroscopy with HRS and MRS.	2010 – 2012
	MAGELLAN OBSERVATORIES Have received over 90 hours of PI time for optical spectroscopy with MAGE and MIKE. Aided in construction and commission the FIRE IR spectrograph.	2008 – Present
	APACHE POINT OBSERVATORY Extensive experience with the DIS and Echelle spectrographs.	2002 – 2008
	NASA-IRTF PI for multiple ongoing projects with Spex.	2008 – Present
	KITT PEAK NATIONAL OBSERVATORY Have received 3.5 nights as Co-I on 4m Echelle. Observed multiple nights with 0.9m SARA telescope	2001 – 2014

Professional Affiliations

American Astronomical Society
Association for Computing Machinery

References

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Publication Summary Total Refereed Publication: 83
 Total Refereed Citations: 16,718
 Total Refereed Citations of First–Author Publications: 670
h-index: 43

- First–Author Refereed Publications**
- A12 FUNDAMENTAL PROPERTIES OF CO-MOVING STARS OBSERVED BY *Gaia*
Bochanski, J.J., Faherty, J.K, Gagne, J., et. al, 2018, *AJ*, 155, 149
- A11 THE MOST DISTANT STARS IN THE MILKY WAY
Bochanski, J.J., Willman, B., Caldwell, N., Sanderson, R., West, A.A., Strader, J., Brown, W., 2014, *ApJL*, 790, 5
- A10 HUNTING THE MOST DISTANT STARS IN THE MILKY WAY: METHODS AND INITIAL RESULTS
Bochanski, J.J., Willman, B., West, A.A., Strader, J., Chomiuk, L., 2014, *AJ*, 147, 76
- A9 MAPPING THE LOCAL HALO: STATISTICAL PARALLAX ANALYSIS OF SDSS LOW-MASS SUBDWARFS
Bochanski, J.J., Savcheva, A., West, A.A., Hawley, S.L., 2012, *AJ*, 145, 40
- A8 MEASURING THE AGES OF LOW-MASS STARS & BROWN DWARFS
Bochanski, J.J., Hawley, S.L., Covey, K.R., Agüeros, M.A., Baraffe, I., Catalán, S., Mohanty, S., Rice, E.L., West, A.A., 2012, *AN*, 334, 44
- A7 FIRE SPECTROSCOPY OF THE ULTRA-COOL BROWN DWARF, UGPS J072227.51-054031.2: KINEMATICS, ROTATION AND ATMOSPHERIC PARAMETERS
Bochanski, J.J., Burgasser, A.J., Simcoe, R.A., West, A.A., 2011, *AJ*, 142, 169
- A6 THE SLOAN DIGITAL SKY SURVEY DR7 SPECTROSCOPIC M DWARF CATALOG II: STATISTICAL PARALLAX ANALYSIS
Bochanski, J.J., Hawley, S.L., West, A.A, 2011, *AJ*, 141, 98
- A5 THE LUMINOSITY AND MASS FUNCTIONS OF LOW-MASS STARS IN THE GALACTIC DISK: II. THE FIELD¹
Bochanski, J.J., Hawley, S. L., Covey, K. R., Reid, I.N., West, A. A., Golimowski, D.A., Ivezić, Ž., 2010, *AJ*, 139, 2679
- A4 MASE: A NEW DATA-REDUCTION PIPELINE FOR THE MAGELLAN ECHELLETTE SPECTROGRAPH
Bochanski, J.J., Hennawi, J.F., Simcoe, R.A., Prochaska, J.X., West, A.A., Burgasser, A.J., Burles, S.M., Bernstein, R.A., Williams, C.L., & Murphy, M.T., 2009, *PASP*, 121, 1409
- A3 EXPLORING THE LOCAL MILKY WAY: M DWARFS AS TRACERS OF GALACTIC POPULATIONS
Bochanski, J. J., Munn, J. A., Hawley, S. L., West, A. A., Covey, K. R., & Schneider, D. P., 2007, *AJ*, 134, 2418
- A2 LOW-MASS DWARF TEMPLATE SPECTRA FROM THE SLOAN DIGITAL SKY SURVEY²
Bochanski, J.J., West, A. A., Hawley, S. L., & Covey, K. R., 2007, *AJ*, 133, 531
- A1 SPECTROSCOPIC SURVEY OF M DWARFS WITHIN 100 PARSECS OF THE SUN
Bochanski, J.J., Hawley, S. L., Reid, I. N., Covey, K. R., West, A. A., Tinney, C. G., & Gizis, J.E., 2005, *AJ*, 130, 1871

¹This paper has over 170 refereed citations.

²This paper has over 180 refereed citations.

**Refereed
Publications**

- B72 NEW AND KNOWN MOVING GROUPS AND CLUSTERS IDENTIFIED IN A GAIA COMOVING CATALOG
Faherty, J.K., **Bochanski, J. J.**, Gagne, J., et. al, 2018, *ApJ*, 863, 91
- B71 A NEW LOOK AT AN OLD CLUSTER: THE MEMBERSHIP, ROTATION, AND MAGNETIC ACTIVITY OF LOW-MASS STARS IN THE 1.3 GYR OLD OPEN CLUSTER NGC 752
Agüeros, M. A., Bowsher, E. C., **Bochanski, J. J.**, Cargile, P. A., Covey, K. R., Douglas, S. T., Kraus, A., Kundert, A., Law, N. M., Ahmadi, A., Arce, H. G., 2018, *ApJ*, 862, 33
- B70 AN EMPIRICAL TEMPLATE LIBRARY OF STELLAR SPECTRA FOR A WIDE RANGE OF SPECTRAL CLASSES, LUMINOSITY CLASSES, AND METALLICITIES USING SDSS BOSS SPECTRA
Kesseli, A. Y., West, A. A., Veyette M., Harrison, B., Feldman, D., and **Bochanski, J. J.**, 2017, *AJ*, 230, 16
- B69 A SURVEY FOR PLANETARY-MASS BROWN DWARFS IN THE CHAMAELEON I STAR-FORMING REGION
Esplin, T. L., Luhman, K. L., Faherty, J. K., Mamajek, E. E. and **Bochanski, J. J.**, 2017, *AJ*, 154, 46
- B68 NEW VIEWS OF THE DISTANT STELLAR HALO
Sanderson, R. E. Secunda, A., Johnston, K. V. and **Bochanski, J. J.**, 2017, *MNRAS*, 470, 5014
- B67 THE BROWN DWARF KINEMATICS PROJECT (BDKP). IV. RADIAL VELOCITIES OF 85 LATE-M AND L DWARFS WITH MAGE
Burgasser, A.J., Logsdon, S.E., Gagné, J., **Bochanski, J.J.**, Faherty, J.K., West, A.A., Mamajek, E.E.m Schmidt, S.J., Cruz, K.L., 2015, *ApJS*, 220, 18
- B66 BOSS ULTRACOOL DWARFS. I. COLORS AND MAGNETIC ACTIVITY OF M AND L DWARFS
Schmidt, S.J., Hawley, S.L., West, A.A., **Bochanski, J.J.**, Davenport, J.R.A., Ge, J., Schneider, D.P., 2015, *textitAJ*, 149, 158
- B65 EARLY OBSERVATIONS AND ANALYSIS OF THE TYPE IA SN 2014J IN M82
Marion, G.H., Sand, D.J., Hsiao, E.Y., [9 authors] **Bochanski, J.J.**, [13 authors], 2015, *ApJ*, 798, 39
- B64 THE FACTORY AND THE BEEHIVE. II. ACTIVITY AND ROTATION IN PRAESEPE AND THE HYADES
Douglas, S.T., Agüeros, M.A., Covey, K.R., Bowsher, E.C., **Bochanski, J.J.**, [7 authors], 2014, *ApJ*, 795, 161
- B63 A NEW SAMPLE OF COOL SUBDWARFS FROM SDSS: PROPERTIES AND KINEMATICS
Savcheva, A.S., West, A.A., **Bochanski, J.J.**, 2014, *ApJ*, 794, 145
- B62 NEAR-INFRARED DETECTION OF WD 0806-661 B WITH THE HUBBLE SPACE TELESCOPE
Luhman, K.L., Morley, C.V., Burgasser, A.J., Esplin, T.L., **Bochanski, J.J.**, 2014, *ApJ*, 794, 16
- B61 CALIBRATING ULTRACOOL DWARFS: OPTICAL TEMPLATE SPECTRA, BOLOMETRIC CORRECTIONS, AND χ VALUES
Schmidt, S.J., West, A.A., **Bochanski, J.J.**, Hawley, S.L., Kielty, C., 2014, *PASP*, 126, 642
- B60 THE SLOAN DIGITAL SKY SURVEY DATA RELEASE 7 SPECTROSCOPIC M DWARF CATALOG. III. THE SPATIAL DEPENDENCE OF MAGNETIC ACTIVITY IN THE GALAXY
Pineda, J.S., West, A.A., **Bochanski, J.J.**, Burgasser, A.J., 2013, *AJ*, 146, 50
- B59 FIRE: A FACILITY CLASS NEAR-INFRARED ECHELLE SPECTROMETER FOR THE MAGELLAN TELESCOPES
Simcoe, R.A., Burgasser, A.J., Schechter, P.L., Fishner, J., Bernstein, R.A., Bigelow, B.C., Pipher, J.L., Forrest, W., McMurtry, C., Smith, M. J., **Bochanski, J.J.**, 2013, *PASP*, 125, 270

- B58 THE VERY SHORT PERIOD M DWARF BINARY SDSS J001641-000925
Davenport, J.R.A., Becker, A.C., West, A.A., **Bochanski, J.J.**, Hawley, S.L., Holtzman, J., Gunning, H.C., Hilton, E.J., Munshi, F.A., Albright, M. 2013, *ApJ*, 764, 62
- B57 GASEOUS MATERIAL ORBITING THE POLLUTED, DUSTY WHITE DWARF HE 1349-2305
Melis, C., Dufour, P., Farihi, J., **Bochanski, J.J.**, Burgasser, A. J., et al., 2012, *ApJ*, 751, L4
- B56 DETAILED COMPOSITIONAL ANALYSIS OF THE HEAVILY POLLUTED DBZ WHITE DWARF SDSS J073842.56+183509.06: A WINDOW ON PLANET FORMATION?
Dufour, P., Kilic, M., Fontaine, G., Bergeron, P., Melis, C., **Bochanski, J.J.**, 2012, *ApJ*, 749, 6
- B55 AN H-BAND SPECTROSCOPIC METALLICITY CALIBRATION FOR M DWARFS
Terrien, R. C., Mahadevan, S., Bender, C. F., Deshpande, R., Ramsey, L. W., **Bochanski, J. J.**, 2012, *ApJ*, 747, L38
- B54 REFINED METALLICITY INDICES FOR M DWARFS USING THE SLOWPOKES CATALOG OF WIDE, LOW-MASS BINARIES
Dhital, S., West, A. A., Stassun, K. G., **Bochanski, J. J.**, Massey, A. P., Bastien, F. A., 2012, *AJ*, 143, 67
- B53 CONFIRMATION OF ONE OF THE COLDEST KNOWN BROWN DWARFS
Luhman, K. L., Burgasser, A.J., Labbé, Saumon, D., Marley, S.M., **Bochanski, J. J.**, Monson, A.J., Persson, S.E., 2011, *ApJ*, 744, 135
- B52 THE FIRST HUNDRED BROWN DWARFS DISCOVERED BY THE WIDE-FIELD INFRARED SURVEY EXPLORER (WISE)
Kirkpatrick, J.D., Cushing, M.C., [18 authors], **Bochanski, J.J.**, [19 authors], 2011, *ApJS*, 197, 19
- B51 CONSTRAINTS ON THE UNIVERSAL CIV MASS DENSITY AT $z \approx 6$ FROM EARLY IR SPECTRA OBTAINED WITH THE MAGELLAN FIRE SPECTROGRAPH
Simcoe, R.A., Cooksey, K.L., Matejek, M.E., Burgasser, A.J., **Bochanski, J.J.**, [7 authors], 2011, *ApJS*, 743, 21
- B50 DISCOVERY OF A COMPANION AT THE L/T TRANSITION WITH THE WIDE-FIELD INFRARED SURVEY EXPLORER
Loutrel, N. P., Luhman, K. L., Lowrance, P. J., **Bochanski, J. J.**, 2011, *ApJ*, 739, 81
- B49 FIRE SPECTROSCOPY OF FIVE LATE-TYPE T DWARFS DISCOVERED WITH THE WIDE-FIELD INFRARED SURVEY EXPLORER
Burgasser, A.J., Cushing, M.C., Kirkpatrick, J.D., Gelino, C.R., Griffith, R.L., Looper, D.L., Tinney, C., Simcoe, R.A., **Bochanski, J.J.**, [6 authors], 2011, *ApJ*, 735, 116
- B48 ACCRETION OF A TERRESTRIAL-LIKE MINOR PLANET BY A WHITE DWARF
Melis, C., Farihi, J., Dufour, P., Zuckerman, B., Burgasser, A.J., Bergeron, P., **Bochanski, J.J.**, Simcoe, R., 2011, *ApJ*, 732, 90
- B47 PERIODIC VARIABILITY OF LOW-MASS STARS IN SDSS STRIPE 82
Becker, A.C., **Bochanski, J.J.**, Hawley, S.L., Ivezić, Ž., Kowalski, A.F., Sesar, B., West, A.A., 2011, *ApJ*, 731, 17
- B46 DISCOVERY OF A CANDIDATE FOR THE COOLEST KNOWN BROWN DWARF
Luhman, K. L., Burgasser, A. J., **Bochanski, J.J.**, 2011, *ApJ*, 730, 9
- B45 THE SLOAN DIGITAL SKY SURVEY DR7 SPECTROSCOPIC M DWARF CATALOG I: DATA
West, A.A, Morgan, D.L., **Bochanski, J.J.**, [17 authors], 2011, *AJ*, 141, 97
- B44 IDENTIFICATION OF A WIDE, LOW-MASS MULTIPLE SYSTEM CONTAINING THE BROWN DWARF 2MASS J0850359+105716
Faherty, J.K, Burgasser, A.J, **Bochanski, J.J.**, Looper, D.L., West, A.A., van der Blik, N.S, 2011, *AJ*, 141, 71

- B43 MARVELS-1B: A SHORT-PERIOD, BROWN DWARF DESERT CANDIDATE FROM THE SDSS-III MARVELS PLANET SEARCH
Lee, B.L., [35 authors], **Bochanski, J.J.**, [26 authors], 2011, *ApJ*, 728, 32
- B42 CLOUDS IN THE COLDEST BROWN DWARFS: FIRE SPECTROSCOPY OF ROSS 458C
Burgasser, A.J., Simcoe, R. A., **Bochanski, J.J.**, Saumon, D., Mamajek, E.E., Cushing, M.C., Marley, M.S., McMurtry, C., Pipher, J.L., Forrest, W.J., 2010, *ApJ*, 725, 1405
- B41 A WIDELY SEPARATED, HIGHLY OCCLUDED COMPANION TO THE NEARBY LOW-MASS T TAURI STAR TWA 30
Looper, D.L., **Bochanski, J.J.**, Burgasser, A.J., Mohanty, S., Mamajek, E.E., Faherty, J.K., West, A.A., Pitts, M.A. 2010, *AJ*, 140, 1486
- B40 DISCOVERIES FROM A NEAR-INFRARED PROPER MOTION SURVEY USING MULTI-EPOCH TWO MICRON ALL-SKY SURVEY DATA
Kirkpatrick, J.D., [9 authors], **Bochanski, J.J.**, [3 authors], 2010, *ApJS*, 190, 100
- B39 SLOAN LOW-MASS WIDE PAIRS OF KINEMATICALLY EQUIVALENT STARS (SLOWPOKES): A CATALOG OF VERY WIDE, LOW-MASS PAIRS
Dhital, S., West, A.A., Stassun, K.G., **Bochanski, J.J.**, 2010, *AJ*, 139, 2566
- B38 THE ENIGMATIC YOUNG, LOW-MASS VARIABLE TWA 30
Looper, D.L., Mohanty, S., **Bochanski, J.J.**, Burgasser, A.J., Mamajek, E.E., Herczeg, G.J.; West, A.A., Faherty, J.K., Rayner, J., Pitts, M.A., Kirkpatrick, J.D., 2010, *ApJ*, 714, 45
- B37 THE BROWN DWARF KINEMATICS PROJECT (BDKP).II. DETAILS ON NINE WIDE COMMON PROPER MOTION VERY LOW-MASS COMPANIONS TO NEARBY STARS
Faherty, J.K., Burgasser, A.J., West, A.A., **Bochanski, J.J.**, Cruz, K.L., Shara, M.M., Walter, F.M., 2009, *AJ*, 139, 176
- B36 DISCOVERY OF AN UNUSUALLY BLUE L DWARF WITHIN 10 PC OF THE SUN
Schmidt, S.J., West, A.A., Burgasser, A.J., **Bochanski, J.J.**, Hawley, S.L., 2009, *AJ*, 139, 1045
- B35 A SAMPLE OF CANDIDATE RADIO STARS IN FIRST AND SDSS
Kimball, A. E., Knapp, G. R., Ivezić, Ž., West, A. A., **Bochanski, J. J.**, Plotkin, R. M., & Gordon, M. S., 2009, *ApJ*, 701, 535
- B34 M DWARFS IN SLOAN DIGITAL SKY SURVEY STRIPE 82: PHOTOMETRIC LIGHT CURVES AND FLARE RATE ANALYSIS
Kowalski, A. F., Hawley, S. L., Hilton, E. J., Becker, A. C., West, A. A., **Bochanski, J. J.**, & Sesar, B., 2009, *AJ*, 138, 633
- B33 OPTICAL AND NEAR-INFRARED SPECTROSCOPY OF THE L SUBDWARF SDSS J125637.13-022452.4
Burgasser, A. J., Witte, S., Helling, C., Sanderson, R. E., **Bochanski, J. J.**, & Hauschildt, P. H., 2009, *ApJ*, 697, 148
- B32 SEGUE: A SPECTROSCOPIC SURVEY OF 240,000 STARS WITH $G = 14-20$
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- B31 SPECTROPHOTOMETRICALLY IDENTIFIED STARS IN THE PEARS-N AND PEARS-S FIELDS
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