

**David Charbonneau**  
**Refereed Publications as of May 2015**

**160. Low False Positive Rate of Kepler Candidates Estimated From A Combination Of Spitzer And Follow-Up Observations**

Désert, Jean-Michel; Charbonneau, David; Torres, Guillermo; Fressin, François; Ballard, Sarah; Bryson, Stephen T.; Knutson, Heather A.; Batalha, Natalie M.; Borucki, William J.; Brown, Timothy M.; Deming, Drake; Ford, Eric B.; Fortney, Jonathan J.; Gilliland, Ronald L.; Latham, David W.; Seager, Sara  
*The Astrophysical Journal, Volume 804, Issue 1, article id. 59 (2015).*

**159. The Mass of Kepler-93b and The Composition of Terrestrial Planets**

Dressing, Courtney D.; Charbonneau, David; Dumusque, Xavier; Gettel, Sara; Pepe, Francesco; Collier Cameron, Andrew; Latham, David W.; Molinari, Emilio; Udry, Stéphane; Affer, Laura; Bonomo, Aldo S.; Buchhave, Lars A.; Cosentino, Rosario; Figueira, Pedro; Fiorenzano, Aldo F. M.; Harutyunyan, Avet; Haywood, Raphaëlle D.; Johnson, John Asher; Lopez-Morales, Mercedes; Lovis, Christophe; Malavolta, Luca; Mayor, Michel; Micela, Giusi; Motalebi, Fatemeh; Nascimbeni, Valerio; Phillips, David F.; Piotto, Giampaolo; Pollacco, Don; Queloz, Didier; Rice, Ken; Sasselov, Dimitar; Ségransan, Damien; Sozzetti, Alessandro; Szentgyorgyi, Andrew; Watson, Chris  
*The Astrophysical Journal, Volume 800, Issue 2, article id. 135 (2015).*

**158. An Empirical Calibration to Estimate Cool Dwarf Fundamental Parameters from H-band Spectra**

Newton, Elisabeth R.; Charbonneau, David; Irwin, Jonathan; Mann, Andrew W.  
*The Astrophysical Journal, Volume 800, Issue 2, article id. 85 (2015).*

**157. Characterizing K2 Planet Discoveries: A Super-Earth Transiting the Bright K Dwarf HIP 116454**

Vanderburg, Andrew; Montet, Benjamin T.; Johnson, John Asher; Buchhave, Lars A.; Zeng, Li; Pepe, Francesco; Collier Cameron, Andrew; Latham, David W.; Molinari, Emilio; Udry, Stéphane; Lovis, Christophe; Matthews, Jaymie M.; Cameron, Chris; Law, Nicholas; Bowler, Brendan P.; Angus, Ruth; Baranec, Christoph; Bieryla, Allyson; Bosch, Walter; Charbonneau, David; Cosentino, Rosario; Dumusque, Xavier; Figueira, Pedro; Guenther, David B.; Harutyunyan, Avet; Hellier, Coel; Kuschnig, Rainer; Lopez-Morales, Mercedes; Mayor, Michel; Micela, Giusi; Moffat, Anthony F. J.; Pedani, Marco; Phillips, David F.; Piotto, Giampaolo; Pollacco, Don; Queloz, Didier; Rice, Ken; Riddle, Reed; Rowe, Jason F.; Rucinski, Slavek M.; Sasselov, Dimitar; Ségransan, Damien; Sozzetti, Alessandro; Szentgyorgyi, Andrew; Watson, Chris; Weiss, Werner W.  
*The Astrophysical Journal, Volume 800, Issue 1, article id. 59 (2015).*

**156. Simultaneous Multiwavelength Observations of Magnetic Activity in Ultracool Dwarfs. IV. The Active, Young Binary NLTT 33370 AB (= 2MASS J13142039+1320011)**

Williams, P. K. G.; Berger, E.; Irwin, J.; Berta-Thompson, Z. K.; Charbonneau, D.  
*The Astrophysical Journal, Volume 799, Issue 2, article id. 192 (2015).*

**155. Transiting Exoplanet Survey Satellite (TESS)**

Ricker, George R.; Winn, Joshua N.; Vanderspek, Roland; Latham, David W.; Bakos, Gáspár. Á.; Bean, Jacob L.; Berta-Thompson, Zachory K.; Brown, Timothy M.; Buchhave, Lars; Butler, Nathaniel R.; Butler, R. Paul; Chaplin, William J.; Charbonneau, David; Christensen-Dalsgaard, Jørgen; Clampin, Mark; Deming, Drake; Doty, John; De Lee, Nathan; Dressing, Courtney; Dunham, E. W.; Endl, Michael; Fressin, François; Ge, Jian; Henning, Thomas; Holman, Matthew J.; Howard, Andrew W.; Ida, Shigeru; Jenkins, Jon; Jernigan, Garrett; Johnson, John A.; Kaltenegger, Lisa; Kawai, Nobuyuki; Kjeldsen, Hans; Laughlin, Gregory; Levine, Alan M.; Lin, Douglas; Lissauer, Jack J.; MacQueen, Phillip; Marcy, Geoffrey; McCullough, P. R.; Morton, Timothy D.; Narita, Norio; Paegert, Martin; Palle, Enric; Pepe, Francesco; Pepper, Joshua; Quirrenbach, Andreas; Rinehart, S. A.; Sasselov, Dimitar; Sato, Bun'ei; Seager, Sara; Sozzetti, Alessandro; Stassun, Keivan G.; Sullivan, Peter; Szentgyorgyi, Andrew; Torres, Guillermo; Udry, Stéphane; Villaseñor, Joel  
*Journal of Astronomical Telescopes, Instruments, and Systems, Vol. 1, article id.014003 (2015)*

**154. Characterization of the planetary system Kepler-101 with HARPS-N. A hot super-Neptune with an Earth-sized low-mass companion**

Bonomo, A. S.; Sozzetti, A.; Lovis, C.; Malavolta, L.; Rice, K.; Buchhave, L. A.; Sasselov, D.; Cameron, A. C.; Latham, D. W.; Molinari, E.; Pepe, F.; Udry, S.; Affer, L.; Charbonneau, D.; Cosentino, R.; Dressing, C. D.; Dumusque, X.; Figueira, P.; Fiorenzano, A. F. M.; Gettel, S.; Harutyunyan, A.; Haywood, R. D.; Horne, K.; Lopez-Morales, M.; Mayor, M.; Micela, G.; Motalebi, F.; Nascimbeni, V.; Phillips, D. F.; Piotto, G.; Pollacco, D.; Queloz, D.; Ségransan, D.; Szentgyorgyi, A.; Watson, C.  
*Astronomy & Astrophysics, Volume 572, id.A2 (2014).*

**153. Thermal structure of an exoplanet atmosphere from phase-resolved emission spectroscopy**

Stevenson, Kevin B.; Désert, Jean-Michel; Line, Michael R.; Bean, Jacob L.; Fortney, Jonathan J.; Showman, Adam P.; Kataria, Tiffany; Kreidberg, Laura; McCullough, Peter R.; Henry, Gregory W.; Charbonneau, David; Burrows, Adam; Seager, Sara; Madhusudhan, Nikku; Williamson, Michael H.; Homeier, Derek  
*Science, Volume 346, Issue 6211, pp. 838-841 (2014).*

**152. A Precise Water Abundance Measurement for the Hot Jupiter WASP-43b**

Kreidberg, Laura; Bean, Jacob L.; Désert, Jean-Michel; Line, Michael R.; Fortney, Jonathan J.; Madhusudhan, Nikku; Stevenson, Kevin B.; Showman, Adam P.; Charbonneau, David; McCullough, Peter R.; Seager, Sara; Burrows, Adam; Henry, Gregory W.; Williamson, Michael; Kataria, Tiffany; Homeier, Derek  
*The Astrophysical Journal Letters, Volume 793, Issue 2, article id. L27 (2014).*

**151. The 4.5  $\mu\text{m}$  Full-orbit Phase Curve of the Hot Jupiter HD 209458b**

Zellem, Robert T.; Lewis, Nikole K.; Knutson, Heather A.; Griffith, Caitlin A.; Showman, Adam P.; Fortney, Jonathan J.; Cowan, Nicolas B.; Agol, Eric; Burrows, Adam; Charbonneau, David; Deming, Drake; Laughlin, Gregory; Langton, Jonathan  
*The Astrophysical Journal, Volume 790, Issue 1, article id. 53 (2014).*

**150. Kepler-93b: A Terrestrial World Measured to within 120 km, and a Test Case for a New Spitzer Observing Mode**

Ballard, Sarah; Chaplin, William J.; Charbonneau, David; Désert, Jean-Michel; Fressin, Francois; Zeng, Li; Werner, Michael W.; Davies, Guy R.; Silva Aguirre, Victor; Basu, Sarbani; Christensen-Dalsgaard, Jørgen; Metcalfe, Travis S.; Stello, Dennis; Bedding, Timothy R.; Campante, Tiago L.; Handberg, Rasmus; Karoff, Christoffer; Elsworth, Yvonne; Gilliland, Ronald L.; Hekker, Saskia; Huber, Daniel; Kawaler, Steven D.; Kjeldsen, Hans; Lund, Mikkel N.; Lundkvist, Mia  
*The Astrophysical Journal, Volume 790, Issue 1, article id. 12 (2014).*

**149. The Kepler-10 Planetary System Revisited by HARPS-N: A Hot Rocky World and a Solid Neptune-Mass Planet**

Dumusque, Xavier; Bonomo, Aldo S.; Haywood, Raphaëlle D.; Malavolta, Luca; Ségransan, Damien; Buchhave, Lars A.; Collier Cameron, Andrew; Latham, David W.; Molinari, Emilio; Pepe, Francesco; Udry, Stéphane; Charbonneau, David; Cosentino, Rosario; Dressing, Courtney D.; Figueira, Pedro; Fiorenzano, Aldo F. M.; Gettel, Sara; Harutyunyan, Avet; Horne, Keith; Lopez-Morales, Mercedes; Lovis, Christophe; Mayor, Michel; Micela, Giusi; Motalebi, Fatemeh; Nascimbeni, Valerio; Phillips, David F.; Piotto, Giampaolo; Pollacco, Don; Queloz, Didier; Rice, Ken; Sasselov, Dimitar; Sozzetti, Alessandro; Szentgyorgyi, Andrew; Watson, Chris  
*The Astrophysical Journal, Volume 789, Issue 2, article id. 154 (2014).*

**148. Atmospheric Characterization of Five Hot Jupiters with the Wide Field Camera 3 on the Hubble Space Telescope**

Ranjan, Sukrit; Charbonneau, David; Désert, Jean-Michel; Madhusudhan, Nikku; Deming, Drake; Wilkins, Ashlee; Mandell, Avi M.  
*The Astrophysical Journal, Volume 785, Issue 2, article id. 148 (2014).*

#### **147. Trigonometric Parallaxes for 1507 Nearby Mid-to-late M Dwarfs**

Dittmann, Jason A.; Irwin, Jonathan M.; Charbonneau, David; Berta-Thompson, Zachory K.  
*The Astrophysical Journal*, Volume 784, Issue 2, article id. 156 (2014).

#### **146. Masses, Radii, and Orbits of Small Kepler Planets: The Transition from Gaseous to Rocky Planets**

Marcy, Geoffrey W.; Isaacson, Howard; Howard, Andrew W.; Rowe, Jason F.; Jenkins, Jon M.; Bryson, Stephen T.; Latham, David W.; Howell, Steve B.; Gautier, Thomas N., III; Batalha, Natalie M.; Rogers, Leslie; Ciardi, David; Fischer, Debra A.; Gilliland, Ronald L.; Kjeldsen, Hans; Christensen-Dalsgaard, Jørgen; Huber, Daniel; Chaplin, William J.; Basu, Sarbani; Buchhave, Lars A.; Quinn, Samuel N.; Borucki, William J.; Koch, David G.; Hunter, Roger; Caldwell, Douglas A.; Van Cleve, Jeffrey; Kolbl, Rea; Weiss, Lauren M.; Petigura, Erik; Seager, Sara; Morton, Timothy; Johnson, John Asher; Ballard, Sarah; Burke, Chris; Cochran, William D.; Endl, Michael; MacQueen, Phillip; Everett, Mark E.; Lissauer, Jack J.; Ford, Eric B.; Torres, Guillermo; Fressin, Francois; Brown, Timothy M.; Steffen, Jason H.; Charbonneau, David; Basri, Gibor S.; Sasselov, Dimitar D.; Winn, Joshua; Sanchis-Ojeda, Roberto; Christiansen, Jessie; Adams, Elisabeth; Henze, Christopher; Dupree, Andrea; Fabrycky, Daniel C.; Fortney, Jonathan J.; Tarter, Jill; Holman, Matthew J.; Tenenbaum, Peter; Shporer, Avi; Lucas, Philip W.; Welsh, William F.; Orosz, Jerome A.; Bedding, T. R.; Campante, T. L.; Davies, G. R.; Elsworth, Y.; Handberg, R.; Hekker, S.; Karoff, C.; Kawaler, S. D.; Lund, M. N.; Lundkvist, M.; Metcalfe, T. S.; Miglio, A.; Silva Aguirre, V.; Stello, D.; White, T. R.; Boss, Alan; Devore, Edna; Gould, Alan; Prsa, Andrej; Agol, Eric; Barclay, Thomas; Coughlin, Jeff; Brugamyer, Erik; Mullally, Fergal; Quintana, Elisa V.; Still, Martin; Thompson, Susan E.; Morrison, David; Twicken, Joseph D.; Désert, Jean-Michel; Carter, Josh; Crepp, Justin R.; Hébrard, Guillaume; Santerne, Alexandre; Moutou, Claire; Sobeck, Charlie; Hudgins, Douglas; Haas, Michael R.; Robertson, Paul; Lillo-Box, Jorge; Barrado, David  
*The Astrophysical Journal Supplement*, Volume 210, Issue 2, article id. 20 (2014).

#### **145. Near-infrared Metallicities, Radial Velocities, and Spectral Types for 447 Nearby M Dwarfs**

Newton, Elisabeth R.; Charbonneau, David; Irwin, Jonathan; Berta-Thompson, Zachory K.; Rojas-Ayala, Barbara; Covey, Kevin; Lloyd, James P.  
*The Astronomical Journal*, Volume 147, Issue 1, article id. 20 (2014).

#### **144. An Earth-sized planet with an Earth-like density**

Pepe, Francesco; Cameron, Andrew Collier; Latham, David W.; Molinari, Emilio; Udry, Stéphane; Bonomo, Aldo S.; Buchhave, Lars A.; Charbonneau, David; Cosentino, Rosario; Dressing, Courtney D.; Dumusque, Xavier; Figueira, Pedro; Fiorenzano, Aldo F. M.; Gettel, Sara; Harutyunyan, Avet; Haywood, Raphaëlle D.; Horne, Keith; Lopez-Morales, Mercedes; Lovis, Christophe; Malavolta, Luca; Mayor, Michel; Micela, Giusi; Motalebi, Fatemeh; Nascimbeni, Valerio; Phillips, David; Piotto, Giampaolo; Pollacco, Don; Queloz, Didier; Rice, Ken; Sasselov, Dimitar; Ségransan, Damien; Sozzetti, Alessandro; Szentgyorgyi, Andrew; Watson, Christopher A.  
*Nature*, Volume 503, Issue 7476, pp. 377-380 (2013).

#### **143. Constraints on Planet Occurrence around Nearby Mid-to-late M Dwarfs from the MEARTH Project**

Berta, Zachory K.; Irwin, Jonathan; Charbonneau, David  
*The Astrophysical Journal*, Volume 775, Issue 2, article id. 91 (2013).

#### **142. The Science of Exoplanets and Their Systems**

Lammer, Helmut; Blanc, Michel; Benz, Willy; Fridlund, Malcolm; Foresto, Vincent Coudé du; Güdel, Manuel; Rauer, Heike; Udry, Stéphane; Bonnet, Roger-Maurice; Falanga, Maurizio; Charbonneau, David; Helled, Ravit; Kley, Willy; Linsky, Jeffrey; Elkins-Tanton, Linda T.; Alibert, Yann; Chassefière, Eric; Encrenaz, Therese; Hatzes, Artie P.; Lin, Douglas; Liseau, Rene; Lorenzen, Winfried; Raymond, Sean N.  
*Astrobiology*, vol. 13, issue 9, pp. 793-813 (2013)

#### **141. Infrared Transmission Spectroscopy of the Exoplanets HD 209458b and XO-1b Using the Wide Field Camera-3 on the Hubble Space Telescope**

Deming, Drake; Wilkins, Ashlee; McCullough, Peter; Burrows, Adam; Fortney, Jonathan J.; Agol, Eric;

Dobbs-Dixon, Ian; Madhusudhan, Nikku; Crouzet, Nicolas; Desert, Jean-Michel; Gilliland, Ronald L.; Haynes, Korey; Knutson, Heather A.; Line, Michael; Magic, Zazralt; Mandell, Avi M.; Ranjan, Sukrit; Charbonneau, David; Clampin, Mark; Seager, Sara; Showman, Adam P.  
*The Astrophysical Journal, Volume 774, Issue 2, article id. 95 (2013).*

**140. Secondary Eclipse Photometry of the Exoplanet WASP-5b with Warm Spitzer**

Baskin, Nathaniel J.; Knutson, Heather A.; Burrows, Adam; Fortney, Jonathan J.; Lewis, Nikole K.; Agol, Eric; Charbonneau, David; Cowan, Nicolas B.; Deming, Drake; Desert, Jean-Michel; Langton, Jonathan; Laughlin, Gregory; Showman, Adam P.  
*The Astrophysical Journal, Volume 773, Issue 2, article id. 124 (2013).*

**139. Exoplanet Characterization by Proxy: A Transiting 2.15 R<sub>⊕</sub> Planet near the Habitable Zone of the Late K Dwarf Kepler-61**

Ballard, Sarah; Charbonneau, David; Fressin, Francois; Torres, Guillermo; Irwin, Jonathan; Desert, Jean-Michel; Newton, Elisabeth; Mann, Andrew W.; Ciardi, David R.; Crepp, Justin R.; Henze, Christopher E.; Bryson, Stephen T.; Howell, Steven B.; Horch, Elliott P.; Everett, Mark E.; Shporer, Avi  
*The Astrophysical Journal, Volume 773, Issue 2, article id. 98 (2013).*

**138. Warm Spitzer Photometry of Three Hot Jupiters: HAT-P-3b, HAT-P-4b and HAT-P-12b**

Todorov, Kamen O.; Deming, Drake; Knutson, Heather A.; Burrows, Adam; Fortney, Jonathan J.; Lewis, Nikole K.; Cowan, Nicolas B.; Agol, Eric; Desert, Jean-Michel; Sada, Pedro V.; Charbonneau, David; Laughlin, Gregory; Langton, Jonathan; Showman, Adam P.  
*The Astrophysical Journal, Volume 770, Issue 2, article id. 102 (2013).*

**137. Kepler-62: A Five-Planet System with Planets of 1.4 and 1.6 Earth Radii in the Habitable Zone**

Borucki, William J.; Agol, Eric; Fressin, Francois; Kaltenegger, Lisa; Rowe, Jason; Isaacson, Howard; Fischer, Debra; Batalha, Natalie; Lissauer, Jack J.; Marcy, Geoffrey W.; Fabrycky, Daniel; Desert, Jean-Michel; Bryson, Stephen T.; Barclay, Thomas; Bastien, Fabienne; Boss, Alan; Brugamyer, Erik; Buchhave, Lars A.; Burke, Chris; Caldwell, Douglas A.; Carter, Josh; Charbonneau, David; Crepp, Justin R.; Christensen-Dalsgaard, Jørgen; Christiansen, Jessie L.; Ciardi, David; Cochran, William D.; DeVore, Edna; Doyle, Lurance; Dupree, Andrea K.; Endl, Michael; Everett, Mark E.; Ford, Eric B.; Fortney, Jonathan; Gautier, Thomas N.; Geary, John C.; Gould, Alan; Haas, Michael; Henze, Christopher; Howard, Andrew W.; Howell, Steve B.; Huber, Daniel; Jenkins, Jon M.; Kjeldsen, Hans; Kolbl, Rea; Kolodziejczak, Jeffery; Latham, David W.; Lee, Brian L.; Lopez, Eric; Mullally, Fergal; Orosz, Jerome A.; Prsa, Andrej; Quintana, Elisa V.; Sanchis-Ojeda, Roberto; Sasselov, Dimitar; Seader, Shawn; Shporer, Avi; Steffen, Jason H.; Still, Martin; Tenenbaum, Peter; Thompson, Susan E.; Torres, Guillermo; Twicken, Joseph D.; Welsh, William F.; Winn, Joshua N.  
*Science, Volume 340, Issue 6132, pp. 587-590 (2013).*

**136. The Occurrence Rate of Small Planets around Small Stars**

Dressing, Courtney D.; Charbonneau, David  
*The Astrophysical Journal, Volume 767, Issue 1, article id. 95 (2013).*

**135. Orbital Phase Variations of the Eccentric Giant Planet HAT-P-2b**

Lewis, Nikole K.; Knutson, Heather A.; Showman, Adam P.; Cowan, Nicolas B.; Laughlin, Gregory; Burrows, Adam; Deming, Drake; Crepp, Justin R.; Mighell, Kenneth J.; Agol, Eric; Bakos, Gáspár Á.; Charbonneau, David; Desert, Jean-Michel; Fischer, Debra A.; Fortney, Jonathan J.; Hartman, Joel D.; Hinkley, Sasha; Howard, Andrew W.; Johnson, John Asher; Kao, Melodie; Langton, Jonathan; Marcy, Geoffrey W.  
*The Astrophysical Journal, Volume 766, Issue 2, article id. 95 (2013).*

**134. The False Positive Rate of Kepler and the Occurrence of Planets**

Fressin, François; Torres, Guillermo; Charbonneau, David; Bryson, Stephen T.; Christiansen, Jessie; Dressing, Courtney D.; Jenkins, Jon M.; Walkowicz, Lucianne M.; Batalha, Natalie M.  
*The Astrophysical Journal, Volume 766, Issue 2, article id. 81 (2013).*

### **133. Kepler-68: Three Planets, One with a Density between that of Earth and Ice Giants**

Gilliland, Ronald L.; Marcy, Geoffrey W.; Rowe, Jason F.; Rogers, Leslie; Torres, Guillermo; Fressin, Francois; Lopez, Eric D.; Buchhave, Lars A.; Christensen-Dalsgaard, Jørgen; Désert, Jean-Michel; Henze, Christopher E.; Isaacson, Howard; Jenkins, Jon M.; Lissauer, Jack J.; Chaplin, William J.; Basu, Sarbani; Metcalfe, Travis S.; Elsworth, Yvonne; Handberg, Rasmus; Hekker, Saskia; Huber, Daniel; Karoff, Christoffer; Kjeldsen, Hans; Lund, Mikkel N.; Lundkvist, Mia; Miglio, Andrea; Charbonneau, David; Ford, Eric B.; Fortney, Jonathan J.; Haas, Michael R.; Howard, Andrew W.; Howell, Steve B.; Ragozzine, Darin; Thompson, Susan E.

*The Astrophysical Journal*, Volume 766, Issue 1, article id. 40 (2013).

### **132. A sub-Mercury-sized exoplanet**

Barclay, Thomas; Rowe, Jason F.; Lissauer, Jack J.; Huber, Daniel; Fressin, François; Howell, Steve B.; Bryson, Stephen T.; Chaplin, William J.; Désert, Jean-Michel; Lopez, Eric D.; Marcy, Geoffrey W.; Mullally, Fergal; Ragozzine, Darin; Torres, Guillermo; Adams, Elisabeth R.; Agol, Eric; Barrado, David; Basu, Sarbani; Bedding, Timothy R.; Buchhave, Lars A.; Charbonneau, David; Christiansen, Jessie L.; Christensen-Dalsgaard, Jørgen; Ciardi, David; Cochran, William D.; Dupree, Andrea K.; Elsworth, Yvonne; Everett, Mark; Fischer, Debra A.; Ford, Eric B.; Fortney, Jonathan J.; Geary, John C.; Haas, Michael R.; Handberg, Rasmus; Hekker, Saskia; Henze, Christopher E.; Horch, Elliott; Howard, Andrew W.; Hunter, Roger C.; Isaacson, Howard; Jenkins, Jon M.; Karoff, Christoffer; Kawaler, Steven D.; Kjeldsen, Hans; Klaus, Todd C.; Latham, David W.; Li, Jie; Lillo-Box, Jorge; Lund, Mikkel N.; Lundkvist, Mia; Metcalfe, Travis S.; Miglio, Andrea; Morris, Robert L.; Quintana, Elisa V.; Stello, Dennis; Smith, Jeffrey C.; Still, Martin; Thompson, Susan E.

*Nature*, Volume 494, Issue 7438, pp. 452-454 (2013).

### **131. Planetary Candidates Observed by Kepler. III. Analysis of the First 16 Months of Data**

Batalha, Natalie M.; Rowe, Jason F.; Bryson, Stephen T.; Barclay, Thomas; Burke, Christopher J.; Caldwell, Douglas A.; Christiansen, Jessie L.; Mullally, Fergal; Thompson, Susan E.; Brown, Timothy M.; Dupree, Andrea K.; Fabrycky, Daniel C.; Ford, Eric B.; Fortney, Jonathan J.; Gilliland, Ronald L.; Isaacson, Howard; Latham, David W.; Marcy, Geoffrey W.; Quinn, Samuel N.; Ragozzine, Darin; Shporer, Avi; Borucki, William J.; Ciardi, David R.; Gautier, Thomas N., III; Haas, Michael R.; Jenkins, Jon M.; Koch, David G.; Lissauer, Jack J.; Rapin, William; Basri, Gibor S.; Boss, Alan P.; Buchhave, Lars A.; Carter, Joshua A.; Charbonneau, David; Christensen-Dalsgaard, Joergen; Clarke, Bruce D.; Cochran, William D.; Demory, Brice-Olivier; Desert, Jean-Michel; Devore, Edna; Doyle, Laurance R.; Esquerdo, Gilbert A.; Everett, Mark; Fressin, Francois; Geary, John C.; Girouard, Forrest R.; Gould, Alan; Hall, Jennifer R.; Holman, Matthew J.; Howard, Andrew W.; Howell, Steve B.; Ibrahim, Khadeejah A.; Kinemuchi, Karen; Kjeldsen, Hans; Klaus, Todd C.; Li, Jie; Lucas, Philip W.; Meibom, Søren; Morris, Robert L.; Prša, Andrej; Quintana, Elisa; Sanderfer, Dwight T.; Sasselov, Dimitar; Seader, Shawn E.; Smith, Jeffrey C.; Steffen, Jason H.; Still, Martin; Stumpe, Martin C.; Tarter, Jill C.; Tenenbaum, Peter; Torres, Guillermo; Twicken, Joseph D.; Uddin, Kamal; Van Cleve, Jeffrey; Walkowicz, Lucianne; Welsh, William F.

*The Astrophysical Journal Supplement*, Volume 204, Issue 2, article id. 24, (2013).

### **130. Precise Infrared Radial Velocities from Keck/NIRSPEC and the Search for Young Planets**

Bailey, John I., III; White, Russel J.; Blake, Cullen H.; Charbonneau, Dave; Barman, Travis S.; Tanner, Angelle M.; Torres, Guillermo

*The Astrophysical Journal*, Volume 749, Issue 1, article id. 16 (2012)

### **129. Transit Detection in the MEarth Survey of Nearby M Dwarfs: Bridging the Clean-first, Search-later Divide**

Berta, Zachory K.; Irwin, Jonathan; Charbonneau, David; Burke, Christopher J.; Falco, Emilio E.

*The Astronomical Journal*, Volume 144, Issue 5, article id. 145, (2012).

### **128. A Census of Rotation and Variability in L1495: A Uniform Analysis of Trans-atlantic Exoplanet Survey Light Curves for Pre-main-sequence Stars in Taurus**

Xiao, Hong Yu; Covey, Kevin R.; Rebull, Luisa; Charbonneau, David; Mandushev, Georgi; O'Donovan,

Francis; Slesnick, Catherine, Lloyd, James P.

*The Astrophysical Journal Supplement, Volume 202, Issue 1, article id. 7, (2012).*

**127. 3.6 and 4.5  $\mu\text{m}$  Phase Curves and Evidence for Non-equilibrium Chemistry in the Atmosphere of Extrasolar Planet HD 189733b**

Knutson, Heather A.; Lewis, Nikole; Fortney, Jonathan J.; Burrows, Adam; Showman, Adam P.; Cowan, Nicolas B.; Agol, Eric; Aigrain, Suzanne; Charbonneau, David; Deming, Drake; Désert, Jean-Michel; Henry, Gregory W.; Langton, Jonathan; Laughlin, Gregory

*The Astrophysical Journal, Volume 754, Issue 1, article id. 22 (2012).*

**126. Planet Occurrence within 0.25 AU of Solar-type Stars from Kepler**

Howard, Andrew W.; Marcy, Geoffrey W.; Bryson, Stephen T.; Jenkins, Jon M.; Rowe, Jason F.; Batalha, Natalie M.; Borucki, William J.; Koch, David G.; Dunham, Edward W.; Gautier, Thomas N., III; Van Cleve, Jeffrey; Cochran, William D.; Latham, David W.; Lissauer, Jack J.; Torres, Guillermo; Brown, Timothy M.; Gilliland, Ronald L.; Buchhave, Lars A.; Caldwell, Douglas A.; Christensen-Dalsgaard, Jorgen; Ciardi, David; Fressin, Francois; Haas, Michael R.; Howell, Steve B.; Kjeldsen, Hans; Seager, Sara; Rogers, Leslie; Sasselov, Dimitar D.; Steffen, Jason H.; Basri, Gibor S.; Charbonneau, David; Christiansen, Jessie; Clarke, Bruce; Dupree, Andrea; Fabrycky, Daniel C.; Fischer, Debra A.; Ford, Eric B.; Fortney, Jonathan J.; Tarter, Jill; Girouard, Forrest R.; Holman, Matthew J.; Johnson, John Asher; Klaus, Todd C.; Machalek, Pavel; Moorhead, Althea V.; Morehead, Robert C.; Ragozzine, Darin; Tenenbaum, Peter; Twicken, Joseph D.; Quinn, Samuel N.; Isaacson, Howard; Shporer, Avi; Lucas, Philip W.; Walkowicz, Lucianne M.; Welsh, William F.; Boss, Alan; Devore, Edna; Gould, Alan; Smith, Jeffrey C.; Morris, Robert L.; Prsa, Andrej; Morton, Timothy D.

*The Astrophysical Journal Supplement, Volume 201, Issue 2, article id. 15, 20 pp. (2012)*

**125. Transit Timing Observations from Kepler: II. Confirmation of Two Multiplanet Systems via a Non-parametric Correlation Analysis**

Ford, Eric B.; Fabrycky, Daniel C.; Steffen, Jason H.; Carter, Joshua A.; Fressin, Francois; Holman, Matthew J.; Lissauer, Jack J.; Moorhead, Althea V.; Morehead, Robert C.; Ragozzine, Darin; Rowe, Jason F.; Welsh, William F.; Allen, Christopher; Batalha, Natalie M.; Borucki, William J.; Bryson, Stephen T.; Buchhave, Lars A.; Burke, Christopher J.; Caldwell, Douglas A.; Charbonneau, David; Clarke, Bruce D.; Cochran, William D.; Désert, Jean-Michel; Endl, Michael; Everett, Mark E.; Fischer, Debra A.; Gautier, Thomas N., III; Gilliland, Ron L.; Jenkins, Jon M.; Haas, Michael R.; Horch, Elliott; Howell, Steve B.; Ibrahim, Khadeejah A.; Isaacson, Howard; Koch, David G.; Latham, David W.; Li, Jie; Lucas, Philip; MacQueen, Phillip J.; Marcy, Geoffrey W.; McCauliff, Sean; Mullally, Fergal R.; Quinn, Samuel N.; Quintana, Elisa; Shporer, Avi; Still, Martin; Tenenbaum, Peter; Thompson, Susan E.; Torres, Guillermo; Twicken, Joseph D.; Wohler, Bill

*The Astrophysical Journal, Volume 750, article id. 113 (2012).*

**124. Transit timing observations from Kepler - III. Confirmation of four multiple planet systems by a Fourier-domain study of anticorrelated transit timing variations**

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