

## Keith Horne: Refereed Publications

### Papers Submitted:

- 368.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Accretion-Disk Sizes from Continuum Lags”  
Y.Homayouni, J.R.Trump, C.J.Grier, Y,Shen, D.A.Starkey, W.N.Brandt, **K.Horne** et al. (201?). ApJ, submitted (25 Jun 2018) (arXiv:1806.08360).
- 367.** “X-ray/UV/Optical Variability of NGC 4593 with Swift: Reprocessing of X-rays by an Extended Reprocessor.”  
I.M.McHardy, S.D.Connolly, **K.Horne**, E.M.Cackett, J.Gelbord, B.M.Peterson, M.Pahari, N.Gehrels, R.Edelson, M.Goad, P.Lira, et al. (201?). MNRAS, submitted (12 Dec 2017). (arXiv:1712.04852)
- 366.** “Tests of  $\Lambda$ CDM and Conformal Gravity using GRB and Quasars as Standard Candles out to  $z \sim 8$ .”  
C.Roberts, **K.Horne**, A.O.Hodson, A.D.Leggat et al. (201?) MNRAS, submitted (28 Nov 2017). (arXiv:1711.10369)
- 365.** “Supermassive Black Holes with high Accretion Rates in Active Galactic Nuclei VII. Reconstruction of Velocity-Delay Maps by Maximum Entropy Method.”  
M.Xiao, D.Pu, **K.Horne**, et al. (201?) ApJ, submitted (18 Sep 2017).

### Papers in Press:

- 364.** “Velocity-Resolved Reverberation Mapping of Five Bright Seyfert 1 Galaxies.”  
G.DeRosa, M.M.Fausnaugh, C.J.Grier, B.M.Peterson, K.D.Denney, **K.Horne**, et al. (201?). ApJ, in press (22 Jul 2018).
- 363.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Quasar Host Galaxies at  $z < 0.8$  from Image Decomposition.”  
M.Yue, L.Jiang, Y.Shen, P.B.Hall, Z.Yu, D.P.Schneider, L.C.Ho, **K.Horne**, P.Petitjean, J.R.Trump (201?). ApJ submitted (15 Oct 2017) ApJ in press (25 Jun 2018)

### Papers Published:

—2018—

- 362.** “Accretion Disk Reverberation with Hubble Space Telescope Observations of NGC 4593: Evidence for Diffuse Continuum Lags”  
E.M.Cackett, C.-Y.Chiang, I.McHardy, R.Edelson, M.R.Goad, **K.Horne**, K.Korista (2018). ApJ 857, 53.
- 361.** “Stability of the Broad Line Region Geometry and Dynamics in Arp 151 over Seven Years.”  
A.Pancoast, A.J.Barth, **K.Horne**, T.Treu, et al. (2018). ApJ 856, 108.
- 360.** “The First Planetary Microlensing Event with Two Microlensed Source Stars.”  
D.P.Bennett, et al. (2018) AJ, 155, 141.
- 359.** “Continuum Reverberation Mapping of the Accretion Disks in Two Seyfert 1 Galaxies”  
M.Fausnaugh, D.A.Starkey, **K.Horne**, et al. (2018) ApJ 854, 107.
- 358.** “Non-Blackbody Disks Can Help Explain Inferred AGN Accretion Disk Sizes”  
P.B.Hall, G.T.Sarrouh, **K.Horne** (2018) ApJ 854, 93.
- 357.** “OGLE-2014-BLG-0289: Precise Characterization of a Quintuple-Peak Gravitational Microlensing Event.”

A.Udalski, C.Han, V.Bozza, A.Gould, I.A.Bond, et al. (2018). 2018 ApJ 853, 70.

356. “OGLE-2016-BLG-1190Lb: The First Spitzer Bulge Planet Lies Near the Planet/Brown-dwarf Boundary”  
Y.-H.Ryu, et al. (2018) AJ, 155, 40.
355. “RoboTAP - Target Priorities for Robotic Microlensing Observations.”  
M.Hundertmark, R.A.Street, Y.Tsapras, E.Bachelet, M.Dominik, **K.Horne**, et al. (2018)  
A&A 609, 55.

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354. “Continuum Reverberation Mapping of AGN Accretion Disks.”  
M.M.Fausnaugh, B.M.Peterson, D.A.Starkey, **K.Horne** et al. (2017)  
Front.Astron.Space Sci. 4, 55.
353. “The Sloan Digital Sky Survey Reverberation Mapping Project:  $H\alpha$  and  $H\beta$  Reverberation Measurements from First-Year Spectroscopy and Photometry.”  
K.Grier, J.R.Trump, Y.Shen, **K.Horne**, K.Kinemuchi, I.D.McGreer, D.A.Starkey,  
W.N.Brandt, P.B.Hall, C.S.Kochanek, et al. (2017) ApJ 851, 1.
352. “The Sloan Digital Sky Survey Reverberation Mapping Project: Composite Lags at  $z < 1$ .”  
J.Li, Y.Shen, **K.Horne**, et al. (2017). ApJ, 846, 79.
351. “Space Telescope and Optical Reverberation Mapping Project. VII. Understanding the UV anomaly in NGC 5548 with X-Ray Spectroscopy.”  
S.Mathur, et al. (2017) ApJ 846, 55.
350. “Ground-based Parallax Confirmed by Spitzer: Binary Microlensing Event MOA-2015-BLG-020”  
T.Wang, et al. (2017) ApJ 845, 129.
349. “Reverberation Mapping of Optical Emission Lines in Five Active Galaxies.”  
M.M.Fausnaugh, et al. (2017). ApJ 840, 129.
348. “Swift Monitoring of NGC 4151: Evidence for a Second X-ray/UV Reprocessing”  
R.Edelson, J.Gelbord, E.Cackett, S.Connolly, C.Done, M.Fausnaugh, E.Gardner, N.Gehrels,  
M.Goad, **K.Horne**, et al. (2017) ApJ 840, 41.
347. “Faint-Source-Star Planetary Microlensing: the Discovery of the Cold Gas-Giant Planet OGLE-2014-BLG-0676Lb”  
N.Rattenbury, et al. (2017). MNRAS 466, 2710.
346. “Space Telescope and Optical Reverberation Mapping Project. VI: Optical Spectroscopic Campaign and Emission-Line Analysis for NGC 5548.”  
L.Pei, et al. (2017) ApJ 873, 131.
345. “Variable Stars in the Bulge Globular Cluster NGC 6401”  
Y.Tsapras, A.Arellano Ferro, D.M.Bramich, R.Figuera Jaimes, N.Kains, R.Street,  
M.Hundertmark, **K.Horne**, M.Dominik, C.Snodgrass (2017). MNRAS 465, 2489.
344. “Cosmology with AGN Dust Time Lags – Simulating the New VEILS Survey.”  
S.F.Hönig, D.Watson, M.Kishimoto, P.Gandhi, M.Goad, **K.Horne**, F.Shankar, et  
al. (2017). MNRAS 464, 1693.
343. “Space Telescope and Optical Reverberation Mapping Project. VI: Reverberating Disk Models for NGC 5548.”

D.Starkey, **K.Horne**, et al. (2017). ApJ 835, 65.

342. “EPIC201702477b: A Long Period Transiting Brown Dwarf from K2.”  
D.Bayliss, et al. (2017). AJ 153, 15.

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341. “Campaign 9 of the K2 Mission: Observational Parameters, Scientific Drivers, and Community Involvement for a Simultaneous Space- and Ground-based Microlensing Survey.”  
C.B.Henderson, R.Poleski, M.Penny, R.A.Street, D.P.Bennett, D.W.Hogg, B.S.Gaudi, et al. (2016). PASP 128, 4401.

340. “Simultaneous infrared and optical observations of the transiting debris cloud around WD 1145+017.”  
G.Zhou, et al. (2016). MNRAS 463, 4422.

339. “The Sloan Digital Sky Survey Reverberation Mapping Project: Biases in  $z > 1.46$  Redshifts due to Quasar Diversity”  
K.D.Denney, **K.Horne**, W.N.Brandt, C.J.Grier, L.C.Ho, B.M.Peterson, J.R.Trump, J.Ge (2016). ApJ 833, 33.

338. “First simultaneous microlensing observations by two space telescopes: Spitzer and Swift reveal a brown dwarf in event OGLE-2015-BLG-1319.”  
Y.Shvartzvald, Z.Li, A.Udalski, A.Gould, T.Sumi, R.A.Street, S.Calchi Novati, et al. (2016). ApJ 831, 183.

337. “Discovery of a Gas giant Planet in Microlensing Event OGLE-2014-BLG-1760.”  
A.Bhattacharya, D.P.Bennett, I.A.Bond, T.Sumi, A.Udalski, R.Street, Y.Tsapras et al. (2016). AJ 152, 140.

336. “The First Circumbinary Planet Found by Microlensing: OGLE-2007-BLG-349L(AB)c”  
D.M.Bennett, et al. (2016). AJ 152, 125.

335. “A Reverberation-based Black Hole Mass for MCG-06-30-15”  
M.C.Bentz, E.M.Cackett, D.M.Crenshaw, **K.Horne**, R.Street, B.Ou-Yang. (2016). ApJ 830, 136.

334. “OGLE-2015-BLG-0479LA,B: Gravitational Binary Microlens Characterised by Simultaneous Ground-based and Space-based Observations”  
C.Han, et al. (2016). ApJ 828, 53.

333. “Many new variable stars discovered in the core of globular cluster NGC 6715 (M54) with EMCCD observations.”  
R.Figuera Jaimes, et al. (2016). A&A 592, 120.

332. “Mass Measurements of Isolated Objects from Space-based Microlensing.”  
W.Zhu, et al. (2016). ApJ 825, 60.

331. “Conformal Gravity Rotation Curves with a Conformal Higgs Halo.”  
**K.Horne** (2016). MNRAS, 548, 4122.

330. “The Sloan Digital Sky Survey Reverberation Mapping Project: An Investigation of Biases in CIV Emission-Line Properties”  
K.D.Denney, **K.Horne**, W.N.Brandt, L.C.Ho, B.M.Peterson, G.T.Richards, Y.Shen, J.R.Trump, J.Ge (2016). ApJS, 224 14.

329. “Space Telescope and Optical Reverberation Mapping Project. IV. Anomalous Behavior of the Broad Ultraviolet Emission Lines in NGC 5548.”

- M.R.Goad, et al. (2016). ApJ 824, 11.
- 328.** “The Spitzer Microlensing Program as a Probe for Globular Cluster Planets: Analysis of OGLE-2015-BLG-0448.”  
R.Poleski, et al. (2016). ApJ 823, 63.
- 327.** “The OGLE-III Planet Detection Efficiency from Six Years of Microlensing Observations (2003-2008).”  
Y.Tsapras, M.Hundertmark, L.Wyrzykowski, **K.Horne**, A.Udalski, et al. (2016). MNRAS in press (01 Jan 2016). MNRAS 457, 1320.
- 326.** “Space Telescope and Optical Reverberation Mapping Project. III. Optical Continuum Emission and Broad-Band Time Delays in NGC 5548.”  
M.M.Fausnaugh, K.D.Denney, A.J.Barth, M.C.Ventz, M.C.Bottorff, M.T.Carni, K.V.Croxall, G.De Rosa, M.R.Goad, **K.Horne**, et al. (2016). ApJ 821, 56.
- 325.** “Exploring the crowded central region of 10 Galactic globular clusters using EMCCDs.”  
R.Figuera Jaimes, D.M.Bramich, J.Skottfelt, N.Kains, U.G.Jorgensen, **K.Horne**, M.Dominik, et al. (2016). A&A 588, 128.
- 324.** “Difference Image Analysis: Automatic Kernel Design using Information Criteria.”  
D.M.Bramich, **K.Horne**, K.A.Alsubai, E.Bachelet, D.Mislis, N.Parley (2016). MNRAS 457, 541.
- 323.** “A Systematic Search for Changing-Look Quasars in SDSS.”  
C.L.MacLeod, N.Ross, A.Lawrence, M.Goad, **K.Horne**, et al. (2016). MNRAS 457, 389.
- 322.** “Correlated X-ray/Ultraviolet/Optical Variability in NGC 6814.”  
J.Troyer, D.Starkey, E.M.Cackett, M.C.Bentz, M.R.Goad, **K.Horne**, J.E.Seals (2016). MNRAS 456, 4040.
- 321.** “Spitzer Parallax of OGLE-2015-BLG-0966: A Cold Neptune in the Galactic Disk.”  
R.A.Street, et al. (2016) ApJ 819, 93.
- 320.** “Applying CREAM to AGN Light Curves: Accretion Disc Time Lag Distributions”  
D.A.Starkey **K.Horne**, C.Villforth (2016). MNRAS 456, 1960.
- 319.** “The Sloan Digital Sky Survey Reverberation Mapping Project: First Broad-line H $\beta$  and MgII Lags at  $z > \sim 0.3$  from Six-Month Spectroscopy.”  
Y.Shen, **K.Horne**, C.J.Grier, B.M.Peterson K.D.Denney, J.R.Trump, M.Sun, W.N.Brandt, C.S.Kochanek, et al. (2016). ApJ 818, 30.
- 2015—
- 318.** “Spitzer Microlens Measurement of a Massive Remnant in a Well-Separated Binary”  
Y.Shvartzvald, et al. (2015) ApJ 814, 111.
- 317.** “Robotic Reverberation Mapping of Arp 151”  
S.Valenti, D.J.Sand, A.J.Barth, **K.Horne**, L.Raganit, T.Boroson, S.Crawford, A.Pancoast, L.Pei, E.Romero-Colomenero, C.Villforth, H.Winkler (2015). ApJL 813, 36.
- 316.** “Extended Baseline Photometry of Rapidly Changing Weather Patterns on the Brown Dwarf Binary, Luhman 16.”  
R.A.Street, B.J.Fulton, A.Scholz, **K.Horne**, C.Helling, D.Juncher, G.Lee, S.Valenti (2015). ApJ 812, 161.
- 315.** “Red Noise Versus Planetary Interpretations in the Microlensing Event OGLE-2013-BLG-446”

E.Bachelet, et al. (2015). ApJ, 812, 136.

314. “The Sloan Digital Sky Survey Reverberation Mapping Project: Ensemble Spectroscopic Variability of Quasar Broad Emission Lines”  
M.Sun, J.Trump, Y.Shen, K.Dawson, K.D.Denney, P.Hall, L.C.Ho, **K.Horne**, et al. (2015). ApJ 811, 42.
313. “OGLE-2012-BLG-0563Lb: A Saturn-mass Planet around an M Dwarf with the Mass Constrained by Subaru AO Imaging”  
A.Fukui et al. (2015). ApJ 809, 74.
312. “MOA-2007-BLG-197: Exploring the Brown Dwarf Desert.”  
C.Ranc, et al. (2015). A&A 580, A125.
311. “Space Telescope and Optical Reverberation Mapping Project. II. *SWIFT* and *HST* Reverberation Mapping of the Accretion Disk of NGC 5548.”  
R.Edelson, J.M.Gelbord, **K.Horne**, I.M.McHardy, B.M.Peterson, et al. (2015). ApJ 806, 129.
310. “Space Telescope and Optical Reverberation Mapping Project. II. Ultraviolet Observations of the Seyfert I Galaxy NGC 5548 with the Cosmic Origins Spectrograph on *Hubble Space Telescope*.”  
G.DeRosa, B.M.Peterson, J.Ely, G.A.Kriss, D.M.Crenshaw, **K.Horne**, K.T.Korista, H.Netzer, R.W.Pogge, et al. (2015). ApJ 806, 128.
309. “The Sloan Digital Sky Survey Reverberation Mapping Project: No Evidence for Evolution in the  $M_{bh} - \sigma_*$  Relation to  $z \sim 1$ ”  
Y.Shen, J.E.Greene, L.Ho, W.N.Brandt, K.Denney, **K.Horne**, et al. (2015). ApJ 805, 96.
308. “A census of variability in globular cluster M 68 (NGC 4590).”  
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307. “Reanalyses of Anomalous Gravitational Microlensing Events in the OGLE-III Early Warning System Database with Combined Data.”  
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306. “OGLE-2011-BLG-0265Lb: A Jovian Microlensing Planet Orbiting an M Dwarf.”  
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305. “Pathway to the Galactic Distribution of Planets: Combined *Spitzer* and Ground-Based Microlens Parallax Measurements of 21 Single-Lens Events.”  
S.Calchi Novati, et al. (2015). ApJ 804, 20.
304. “Spitzer Space Telescope Measurements of Dust Reverberation Lags in the Seyfert 1 Galaxy NGC 6418”  
B.Vazquez, P.Galianni, M.Richmond, A.Robinson, D.Axon, **K.Horne**, et al. (2015). ApJ 801, 127.
303. “The Sloan Digital Sky Survey Reverberation Mapping Project: Technical Overview”  
Y.Shen et al. (2015). ApJS 216, 4.
- 2014—
302. “Characterization of the planetary system Kepler-101 with HARPS-N. A hot super-Neptune with an Earth-sized low-mass companion”  
A.S.Bonomo, et al. (2014). A&A 572, 2.
301. “Reverberation Mapping of the Seyfert 1 Galaxy NGC 7469”

- B.M.Peterson, C.J.Grier, **K.Horne**, et al (2014). ApJ 795, 149.
300. “Candidate Gravitational Microlensing Events for Future Direct Lens Imaging.”  
C.Henderson, et al. (2014). ApJ 794, 71.
299. “MOA-2013-BLG-220Lb: Massive Planetary Companion to Galactic-disk Host.”  
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298. “The Kepler-10 Planetary System Revisited by HARPS-N: A Hot Rocky World and a Solid Neptune-Mass Planet”  
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297. “OGLE-LMC-ECL-11893: The Discovery of a Long-Period Eclipsing Binary with a Circumstellar Disk.”  
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296. “Period and amplitude variations in post-common-envelope eclipsing binaries observed with SuperWASP.”  
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295. “RR Lyrae Stars in the GCVS Observed by the Qatar Exoplanet Survey.”  
D.M.Bramich, K.A.Alsubai, A.Arellano Ferro, N.R.Parley, A.Collier Cameron, C.Hellier, **K.Horne**, D.Pollacco, R.G.West (2014). IBVS 6106, 1.
294. “High frequency A-type pulsators discovered using SuperWASP.”  
D.Holdsworth, et al. (2014). MNRAS 439, 2078.
293. “MOA-2011-BLG-262Lb: A Sub-Earth-Mass Moon Orbiting a Gas Giant Primary or a High Velocity Planetary System in the Galactic Bulge.”  
D.P.Bennett et al. (2014). ApJ, 785, 155.
292. “Eclipsing Am binary systems in the SuperWASP survey.”  
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291. “A Super-Jupiter Orbiting a Late-type Star: A Refined Analysis of Microlensing Event OGLE-2012-BLG-0406.”  
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- 2013—
290. “Kepler-like Multi-Plexing for Mass Production of Microlens Parallaxes.”  
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289. “MOA-2010-BLG-328Lb: a sub-Neptune orbiting very late M dwarf?”  
K.Furusawa, et al. (2013). ApJ 779, 91.
288. “Gravitational Binary-lens Events with Prominent Effects of Lens Orbital Motion.”  
H.Park, et al. (2013). ApJ, 778, 134.
287. “The Qatar Exoplanet Survey.”  
K.A.Alsubai, N.R.Parley, D.M.Bramich, **K.Horne**, A.Collier Cameron, R.G.West, P.M.Sorensen, D.Pollacco, J.C.Smith, O.Fors (2013). Acta Astr. 63, 465.
286. “An Earth-sized planet with an Earth-like density.”  
F.Pepe, et al. (2013). Nature, 503, 377.
285. “A test of the failed disc wind scenario for the origin of the broad line region in active galactic nuclei.”  
P.Galianni, **K.Horne** (2013). MNRAS, 435, 3122.
284. “Interpretation of a Short-term Anomaly in the Gravitational Microlensing Event MOA-2012-BLG-486.”

- K.-H.Hwang, et al. (2013). ApJ 778, 55.
- 283.** “Microlensing Discovery of a Tight, Low-mass-ratio Planetary-mass Object around an Old Field Brown Dwarf.”  
C.Han, et al. (2013). ApJ 778, 38.
- 282.** “MOA-2010-BLG-311: A planetary candidate below the threshold of reliable detection.”  
J.C.Yee, et al. (2013). ApJ 769, 77.
- 281.** “Microlensing discovery of a population of very tight, very low mass binary brown dwarfs.”  
J.-Y.Choi, et al. (2013). ApJ 768, 129.
- 280.** “A giant planet beyond the snow line in microlensing event OGLE-2011-BLG-0251.”  
N.Kains, et al. (2013). A&A 552, 70.
- 279.** “The Structure of the Broad-line Region in Active Galactic Nuclei. I. Reconstructed Velocity-delay Maps.”  
C.J.Grier, B.M.Peterson, **K.Horne**, et al. (2013). ApJ 764, 47.
- 278.** “MOA-2010-BLG-523: “Failed Planet” = RS CVn Star.”  
A.Gould, et al. (2013). ApJ 763, 141.
- 277.** “Difference Imaging Analysis: extension to a spatially varying photometric scale factor and other considerations.”  
D.Bramich, **K.Horne**, M.D.Albrow, Y.Tsapras, C.Snodgrass, R.A.Street, M.Hundertmark, N.Kains, A.Arellano Fero, R.Figuera Jaimes, S.Giridhar (2013). MNRAS 428, 2275.
- 276.** “How fast do Jupiters grow? Signatures of the snowline and growth rate in the distribution of gas giant planets.”  
K.Rice, M.T.Penny, **K.Horne** (2013). MNRAS 428, 756.
- 275.** “MOA-2010-BLG-073L: An M-dwarf with a Substellar Companion at the Planet/Brown Dwarf Boundary.”  
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- 2012—
- 274.** “Microlensing Binaries with Candidate Brown Dwarf Companions.”  
I.-G.Shin, et al. (2012). ApJ 760, 116.
- 273.** “A Bayesian algorithm for model selection in caustic-crossing binary-lens microlensing events.”  
N.Kains, P.Browne, **K.Horne**, M.Hundertmark, A.Cassan (2012). MNRAS 426, 2228.
- 272.** “A brown dwarf orbiting an M-dwarf: MOA 2010-BLG-411L.”  
E.Bachelet, et al. (2012). A&A 547, 55.
- 271.** “A New Type of Ambiguity in the Planet and Binary Interpretations of Central Perturbations of High-magnification Gravitational Microlensing Events.”  
J.-Y.Choi, et al. (2012). ApJ 756, 48.
- 270.** “Testing quasilinear modified Newtonian dynamics in the Solar System.”  
P.Galianni, M.Feix, H.-S.Zhao, **K.Horne** (2012). PhRvD 86, 4002.
- 269.** “OGLE-2008-BLG-510: first automated real-time detection of a weak microlensing anomaly - brown dwarf or stellar binary?”  
V.Bozza, et al. (2012). MNRAS 424, 902.
- 268.** “Characterizing Low-mass Binaries from Observation of Long-timescale Caustic-crossing Gravitational Microlensing Events.”

- Shin, I.-G., et al. (2012). *ApJ* 755, 91.
267. “MOA 2010-BLG-477Lb: Constraining the Mass of a Microlensing Planet from Microlensing Parallax, Orbital Motion, and Detection of Blended Light.”  
E.Bachelet, et al. (2012). *ApJ* 754, 73.
266. “A Possible Binary System of a Stellar Remnant in the High-magnification Gravitational Microlensing Event OGLE-2007-BLG-514.”  
N.Miyake, et al. (2012). *ApJ* 752, 82.
265. “Characterizing Lenses and Lensed Stars of High-magnification Single-lens Gravitational Microlensing Events with Lenses Passing over Source Stars.”  
J.-Y.Choi, et al. (2012) *ApJ* 751, 41.
264. “Qatar-2: A K dwarf orbited by a transiting hot Jupiter and a more massive companion in an outer orbit.”  
M.L.Bryan, et al. (2012). *ApJ* 750, 84.
263. “Factors affecting the radii of close-in transiting exoplanets.”  
B.Enoch, A.Collier-Cameron, **K.Horne** (2012). *A&A* 540, 99.
262. “Microlensing Binaries Discovered through High-magnification Channel.” Shin, I.-G., et al. (2012). *ApJ* 746, 127.
261. “One or more bound planets per Milky Way star from microlensing observations.”  
A.Cassan, D.Kubas, J.-P.Beaulieu, M.Dominik, **K.Horne**, J.Greenhill, J. Wamsganss, J.Menzies, A.Williams, U.G.Jorgensen, A.Udalski, et al. 2012. *Nature* 481, 167.
260. “A Reverberation Lag for the High-Ionization Component of the Broad Line Region in the Narrow-Line Seyfert 1 Mrk 335”  
C.J.Grier, et al. (2012). *ApJ* 744, 4.
- 2011—
259. “Discovery and Mass Measurements of a Cold, 10-Earth Mass Planet and its Host Star”  
Y.Muraki, et al. (2011). *ApJ* 741, 22.
258. “SuperWASP observations of pulsating Am stars.”  
B.Smalley, D.W.Kurtz, A.M.S.Smith, L.Fossati, et al. (2011). *A&A* 535, 3.
257. “Qatar-1b: a hot Jupiter orbiting a metal-rich K dwarf star.”  
K.A.Alsubai N.R.Parley, D.M.Bramich, R.G.West, P.M.Sorensen, A.Collier Cameron, D.W.Latham, **K.Horne**, et al.(2011). *MNRAS* 417, 709.
256. “Binary Microlensing Event OGLE-2009-BLG-020 Gives Verifiable Mass, Distance, and Orbit Predictions”  
J.Skowron, et al. (2011) *ApJ* 738, 87.
255. “OGLE-2005-BLG-018: Characterization of Full Physical and Orbital Parameters of a Gravitational Binary Lens.”  
I.-G.Shin, A.Udalski, C.Han, A.Gould, M.Dominik, P.Fouqué, et al. (2011). *ApJ* 735, 85.
254. “Dissecting the donor star in the eclipsing polar HU Aquarii.”  
A.D.Schwope, **K.Horne**, D.Steeghs, M.Still (2011). *A&A* 531, 34.
253. “Independent Discovery of the Transiting Exoplanet HAT-P-14b.”  
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252. “MOA-2009-BLG-387Lb: a massive planet orbiting an M dwarf”



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250. “A Sub-Saturn Mass Planet, MOA-2009-BLG-319Lb.”  
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249. “WASP-37b: A 1.8 MJ Exoplanet Transiting a Metal-poor Star.”  
E.K.Simpson, F.Faedi, et al. (2011). *AJ* 141, 8.

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