

Keith Horne: Refereed Publications

Papers Submitted:

- 375.** “Full Orbital Solution for the Binary System in the Northern Galactic Disk Microlensing Event Gaia16aye.”
Lukasz Wyrzykowski, et al. (20??). *A&A*, submitted 22 Jan 2019. (arXiv:1901.07281)
- 374.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Sample Characterization.”
Y.Shen, P.B.Hall, K.Horne, et al. (201?). *ApJ*, submitted.
- 373.** “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)
- 372.** “Tests of Λ 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)

Papers in Press:

- 371.** “OGLE-2014-BLG-1186: gravitational microlensing providing evidence for a planet orbiting the foreground star or for a close binary source?”
M.Dominik, E.Bachelet, V.Bozza, R.A.Street, C.Han, M.Hundertmark, A.Udalski, D.Bramich, et al. (201?). *MNRAS* in press 25 Jan 2019. (arXiv:1808.03149)
- 370.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Systematic Investigation of Short-Timescale CIV Broad Absorption Line Variability.”
Z.S.Hemler, C.J.Grier, W.N.Brandt, P.B.Hall, **K.Horne**, Y.Shen, J.R.Trump, D.P.Schneider, M.Vivek, D.Bizyaev, A.Oravetz, D.Oravetz, K.Pan (201?). *ApJ*, in press (31 Oct 2018).
- 369.** “A large ground-based observing campaign of the disintegrating planet K2-22B.”
K.D.Colon, et al. (200?). *AJ* in press (18 Sep 2018). (arXiv:1809.06978)

Papers Published:

—2019—

- 368.** “The First Swift AGN Accretion Disk Reverberation Mapping Survey.”
R.Edelson, J.Gelbord, E.Cackett, B.M.Peterson, **K.Horne** A.Barth, D.Starkey, et al. (2019). *ApJ* 870, 123.
- 367.** “First Assessment of the Binary Lens OGLE-2015-BLG-0232.”
E.Bachelet, et al. (2019). *ApJ* 870, 11.

—2018—

- 366.** “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. (2018). *MNRAS* 480, 2881.
- 365.** “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 866, 133.

- 364.** “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**, Y-R.Li, Y-K.Huang, K-X.Lu, J.Qiu, F.Wang, J-M.Bai, W-H.Bian, L.C.Ho, Y-F.Yuan, J-M.Wang (2018) ApJ 864, 109.
- 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 (2018). ApJ 863, 21.
- 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.

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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.”

J.Jeong, et al. (2015). *ApJ* 804, 38.

306. “OGLE-2011-BLG-0265Lb: A Jovian Microlensing Planet Orbiting an M Dwarf.”

J.Skowron, et al. (2015). *ApJ* 804, 33.

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”

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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.”

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299. “MOA-2013-BLG-220Lb: Massive Planetary Companion to Galactic-disk Host.”

J.Yee, et al. (2014). *ApJ* 790, 14.

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

X.Dumusque, et al. (2014). *ApJ* 789, 154.

297. “OGLE-LMC-ECL-11893: The Discovery of a Long-Period Eclipsing Binary with a Circumstellar Disk.”

Dong, et al. (2014). *ApJ* 788, 41.

296. “Period and amplitude variations in post-common-envelope eclipsing binaries observed with SuperWASP.”

M.E.Lohr, et al. (2014). *A&A* 566, 128.

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.”

B.Smalley, et al. (2014). *A&A* 564, A69.

291. “A Super-Jupiter Orbiting a Late-type Star: A Refined Analysis of Microlensing Event OGLE-2012-BLG-0406.”

Y.Tsapras, et al. (2014). *ApJ*, 782, 48.

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290. “Kepler-like Multi-Plexing for Mass Production of Microlens Parallaxes.”

A.Gould, **K.Horne** (2013). *ApJL*, 779, 28.

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.”

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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.”

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281. “Microlensing discovery of a population of very tight, very low mass binary brown dwarfs.”

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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.”
R.A.Street, et al. (2013) ApJ 763, 67.

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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?”
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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.”
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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.

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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.

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