

# JOSHUA E. SCHLIEDER

## *Publication List*

---

### Summary

Refereed Articles	70
First Author	7
Citations	1326
h-index	20

### Top Publications

Crossfield, I. J. M., Petigura, E. , **Schlieder, J. E.**, Howard, A. W., Fulton B. J., et al., *A Nearby M Star with Three Transiting Super-Earths Discovered by K2*, 2015, *ApJ*, 804, 10. (78 citations)

Crossfield, I. J. M., Biller, B. A., **Schlieder, J. E.**, Deacon, N. R., Bonnefoy, M., et al., *A Weather Map of the Nearest Known Brown Dwarf*, 2014, *Nature*, 505, 654. (71 citations)

**Schlieder, J. E.**, Lépine, S., and Simon, M., *Cool Young Stars in the Northern Hemisphere:  $\beta$  Pictoris and AB Doradus Moving Group Candidates*, 2012, *AJ*, 143, 80. (69 citations)

**Schlieder, J. E.**, Lépine, S., and Simon, M.,  *$\beta$  Pictoris and AB Doradus Moving Groups: Likely New Low-Mass Members*, 2010, *AJ*, 140, 119. (58 citations)

### Refereed Journal Articles

70. Chen, G., et al. (including **Schlieder, J. E.**), *An Improved Transit Measurement for a 2.4  $R_{\text{Earth}}$  Planet Orbiting A Bright Mid-M Dwarf K2–28*, 2018, *ApJ*, submitted.
69. David, T. J., Mamajek, E. E., Vanderburg, A., **Schlieder, J. E.**, Bristow, M., et al., *Discovery of a Transiting Adolescent Sub-Neptune Exoplanet in the Cas-Tau Association with K2*, 2018, *ApJ*, submitted.
68. Biller, B. A., et al. (including **Schlieder, J. E.**), *Simultaneous Multiwavelength Variability Characterization of the Free-floating Planetary-mass Object PSO J318.5+22*, 2018, *AJ*, 155, 95.
67. Christiansen, J. L., et al. (including **Schlieder, J. E.**), *The K2-138 System: A Near-resonant Chain of Five Sub-Neptune Planets Discovered by Citizen Scientists*, 2018, *AJ*, 155, 57.
66. Petigura, E. A., et al. (including **Schlieder, J. E.**), *Planet Candidates from K2 Campaigns 5-8 and Follow-up Optical Spectroscopy*, 2018, *AJ*, 155, 21.
65. Ciardi, D. R., Crossfield, I. J. M., Feinstein, A. D., **Schlieder, J. E.**, Petigura, E. A., et al., *K2-136: A Binary System in the Hyades Cluster Hosting a Neptune-sized Planet*, 2018, *AJ*, 155, 10.
64. Rich, E., et al. (including **Schlieder, J. E.**), *The fundamental stellar parameters of FGK stars in the SEEDS survey*, 2017, *MNRAS*, 472, 1736.
63. Bonavita, M., et al. (including **Schlieder, J. E.**), *Orbiting a binary. SPHERE characterisation of the HD 284149 system*, 2017, *A&A*, 608, A106.
62. Delorme, P., et al. (including **Schlieder, J. E.**), *In-depth study of the moderately young but extremely red, very dusty substellar companion HD 206893B*, 2017, *A&A*, 608, A79.
61. Dressing, C. D., Vanderburg, A., **Schlieder, J. E.**, Crossfield, I. J. M., Knutson, H. A., et al., *Characterizing K2 Candidate Planetary Systems Orbiting Low-mass Stars. II. Planetary Systems Observed During Campaigns 1-7*, 2017, *AJ*, 154, 207.

60. Christiansen, J. L., et al. (including **Schlieder, J. E.**), *Three's Company: An Additional Non-transiting Super-Earth in the Bright HD 3167 System, and Masses for All Three Planets*, 2017, *AJ*, 154, 122.
59. Chauvin, G., et al. (including **Schlieder, J. E.**), *Discovery of a warm, dusty giant planet around HIP 65426*, 2017, *A&A*, 605, L9.
58. Calissendorff, P., et al. (including **Schlieder, J. E.**), *The discrepancy between dynamical and theoretical mass in the triplet-system 2MASS J10364483+1521394*, 2017, *A&A*, 604, A82.
57. Samland, M., et al. (including **Schlieder, J. E.**), *Spectral and atmospheric characterization of 51 Eridani b using VLT/SPHERE*, 2017, *A&A*, 603, A57.
56. Quarles, B., Quintana, E. V., Lopez, E., **Schlieder, J. E.**, Barclay, T., *Plausible Compositions of the Seven TRAPPIST-1 Planets Using Long-term Dynamical Simulations*, 2017, *ApJ*, 842, L5.
55. Sinukoff, E., et al. (including **Schlieder, J. E.**), *K2-66b and K2-106b: Two Extremely Hot Sub-Neptune-size Planets with High Densities*, 2017, *AJ*, 153, 271.
54. Crossfield, I. J. M., et al. (including **Schlieder, J. E.**), *Two Small Transiting Planets and a Possible Third Body Orbiting HD 106315*, 2017, *AJ*, 153, 255.
53. Vigan, A., et al. (including **Schlieder, J. E.**), *The VLT/NaCo large program to probe the occurrence of exoplanets and brown dwarfs at wide orbits. IV. Gravitational instability rarely forms wide, giant planets*, 2017, *A&A*, 603, A3.
52. Deacon, N. R., Magnier, E. A., Liu, M. C., **Schlieder, J. E.**, Aller, K. M., et al., *2MASS 0213+3648 C: A wide T3 benchmark companion to an active, old M dwarf binary*, 2017, *MNRAS*, 467, 1126.
51. Petigura, E., et al. (including **Schlieder, J. E.**), *Four Sub-Saturns with Dissimilar Densities: Windows into Planetary Cores and Envelopes*, 2017, *AJ*, 153, 142.
50. Mesa, D., et al. (including **Schlieder, J. E.**), *Upper limits for mass and radius of objects around Proxima Cen from SPHERE/VLT*, 2017, *MNRAS*, 466, L118.
49. Martinez, A. O., Crossfield, I. J. M., **Schlieder, J. E.**, Dressing, C. D., Obermeier, C., et al., *Stellar and Planetary Parameters for K2s Late-type Dwarf Systems from C1 to C5*, 2017, *ApJ*, 837, 72.
48. Milli, J., et al. (including **Schlieder, J. E.**), *Near-infrared scattered light properties of the HR 4796 A dust ring. A measured scattering phase function from 13.6° to 166.6°*, 2017, *A&A*, 599, A108.
47. Janson, M., et al. (including **Schlieder, J. E.**), *Binaries among low-mass stars in nearby young moving groups*, 2017, *A&A*, 599, A70.
46. Currie, T., et al. (including **Schlieder, J. E.**), *Subaru/SCEXAO First-light Direct Imaging of a Young Debris Disk around HD 36546*, 2017, *ApJ*, 836, L15.
45. Dressing, C. D., Newton, E. R., **Schlieder, J. E.**, Charbonneau, D., Knutson, H. A., et al., *Characterizing K2 Candidate Planetary Systems Orbiting Low-mass Stars. I. Classifying Low-mass Host Stars Observed during Campaigns 1-7*, 2017, *ApJ*, 836, 167.
44. Sinukoff, E., et al. (including **Schlieder, J. E.**), *Mass Constraints of the WASP-47 Planetary System from Radial Velocities*, 2017, *AJ*, 153, 70.
43. Benneke, B., et al. (including **Schlieder, J. E.**), *Spitzer Observations Confirm and Rescue the Habitable-zone Super-Earth K2-18b for Future Characterization*, 2017, *ApJ*, 834, 187.

42. Garcia, E. V., et al. (including **Schlieder, J. E.**), *SCEXAO and GPI Y JHBand Photometry and Integral Field Spectroscopy of the Young Brown Dwarf Companion to HD 1160*, 2017, *ApJ*, 834, 162.
41. Konishi, H., et al. (including **Schlieder, J. E.**), *A substellar companion to Pleiades HII 3441*, 2016, *PASJ*, 68, 92.
40. Obermeier, C., Henning, Th., **Schlieder, J. E.**, Crossfield, I. J. M., Petigura, E. A., et al., *K2 Discovers a Busy Bee: An Unusual Transiting Neptune Found in the Beehive Cluster*, 2016, *AJ*, 152, 223.
39. Lannier, J., et al. (including **Schlieder, J. E.**), *MASSIVE: A Bayesian analysis of giant planet populations around low-mass stars*, 2016, *A&A*, 596, A83.
38. Crossfield, I. J. M., Ciardi, D. R., Petigura, E. A., Sinukoff, E., **Schlieder, J. E.**, et al., *197 Candidates and 104 Validated Planets in K2s First Five Fields*, 2016, *ApJSS*, 226, 7.
37. Sinukoff, E., Howard, A. W., Petigura, E. A., **Schlieder, J. E.**, Crossfield, I. J. M., et al., *Ten Multi-Planet Systems from K2 Campaigns 1 & 2 and the Masses of Two Hot Super-Earths*, 2016, *ApJ*, 827, 78.
36. David, T. J., et al. (including **Schlieder, J. E.**), *A Neptune-sized transiting planet closely orbiting a 5-10-million-year-old star*, 2016, *Nature*, 534, 658.
35. Beichman, C. A., et al. (including **Schlieder, J. E.**), *Spitzer Observations of Exoplanets Discovered with the Kepler K2 Mission*, 2016, *ApJ*, 822, 39.
34. Deacon, N. R., **Schlieder, J. E.**, Murphy, S. J., *A nearby young M dwarf with a wide, possibly planetary-mass companion*, 2016, *MNRAS*, 457, 3191.
33. Bergfors, C., Brandner, W., Bonnefoy, M., **Schlieder, J. E.**, Janson, M., et al., *Characterisation of close visual binaries from the AstraLux Large M Dwarf Survey*, 2016, *MNRAS*, 456, 2576.
32. **Schlieder, J. E.**, Crossfield, I. J. M., Petigura, E. A., Howard, A. W., Aller, K. M., et al., *Two Small Temperate Planets Transiting Nearby M Dwarfs in K2 Campaigns 0 and 1*, 2016, *ApJ*, 818, 87.
31. Petigura, E. A., et al. (including **Schlieder, J. E.**), *Two Transiting Low-Density Sub-Saturns from K2*, 2016, *ApJ*, 818, 36.
30. **Schlieder, J. E.**, Skemer, A. J., Maire, A.-L., Desidera, S., Hinz, et al., *The LEECH Exoplanet Imaging Survey: Orbit and Component Masses of the Intermediate Age, Late-Type Binary NO UMa*, 2016, *ApJ*, 818, 1.
29. Skemer, A. J., et al. (including **Schlieder, J. E.**), *The LEECH Exoplanet Imaging Survey: Characterization of the Coldest Directly Imaged Exoplanet, GJ 504b, and Evidence for Super-Stellar Metallicity*, 2016, *ApJ*, 817, 166.
28. Reggiani, M., et al. (including **Schlieder, J. E.**), *The VLT/NaCo large program to probe the occurrence of exoplanets and brown dwarfs at wide orbits. III. The frequency of brown dwarfs and giant planets as companions to solar-type stars*, 2016, *A&A*, 586, 147.
27. Biller, B. A., et al. (including **Schlieder, J. E.**), *Variability in a Young L/T Transition Planetary Mass Object*, 2015, *ApJ*, 813, L23.
26. Boccaletti, A., et al. (including **Schlieder, J. E.**), *Fast-Moving Features in the Debris Disk Around AU Microscopii*, 2015, *Nature*, 526, 230.
25. Petigura, E. A., **Schlieder, J. E.**, Crossfield, I. J. M., Howard, A. W., Deck, K. M., et al., *Two Transiting Earth-size Planets Near Resonance Orbiting a Nearby Cool Star*, 2015, *ApJ*, 811, 102.

24. Bowler, B. P., Shkolnik, E. L., Liu, M. C., **Schlieder, J. E.**, Mann, A. W., et al., *Planets Around Low-Mass Stars (PALMS). V. Age-Dating Low-Mass Companions to Members and Interlopers of Young Moving Groups*, 2015, *ApJ*, 806, 62.
23. Crossfield, I. J. M., Petigura, E. A., **Schlieder, J. E.**, Howard, A. W., Fulton, B. J., et al., *A Nearby M Star with Three Transiting Super-Earths Discovered by K2*, 2015, *ApJ*, 804, 10.
22. Maire, A.-L. et al. (including **Schlieder, J. E.**), *The LEECH Exoplanet Imaging Survey: Further Constraints on the planet architecture of the HR8799 system*, 2015, *A&A*, 576, 133.
21. Chauvin, G., et al. (including **Schlieder, J. E.**), *The VLT/NaCo large program to probe the occurrence of exoplanets and brown dwarfs at wide orbits. II. Survey description, results, and performances*, 2015, *A&A*, 573, 127.
20. Desidera, S., et al. (including **Schlieder, J. E.**), *The VLT/NaCo large program to probe the occurrence of exoplanets and brown dwarfs at wide orbits. I. Sample definition and characterization*, 2015, *A&A*, 573, 127.
19. Kopytova, T. G., et al. (including **Schlieder, J. E.**), *Deep z-band Observations fo the Coolest Y Dwarf*, 2014 *ApJ*, 797, 3.
18. Janson, M., Bergfors, C., Brandner, W., Bonnefoy, M., **Schlieder, J. E.**, et al., *Orbital Monitoring of the AstraLux Large M-dwarf Multiplicity Sample*, 2014, *ApJS*, 214, 17.
17. Brandt, T. D., et al. (including **Schlieder, J. E.**), *A Statistical Analysis of the SEEDS and Other High-Contrast Exoplanet Surveys: Massive Planets or Low-Mass Brown Dwarfs?*, 2014, *ApJ*, 794, 159.
16. Brandt, T. M., Kuzuhara, M., McElwain, M. W., **Schlieder, J. E.**, Wisniewski, J. P., et al., *The Moving Group Targets of the SEEDS High-Contrast Imaging Survey of Exoplanets and Disks: Results and Observations from the First Three Years*, 2014, *ApJ*, 786, 1.
15. Manjavacas, E., Bonnefoy, M., **Schlieder, J. E.**, Allard, F., Rojo, P., et al., *New constraints on the formation and settling of dust in the atmospheres of young M and L dwarfs*, 2014, *A&A*, 564, 55.
14. Wöllert, M., Brander, W., Reffert, S., **Schlieder, J. E.**, Mohler-Fischer, M., et al., *The young binary HD 102077: Orbit, spectral type, kinematics, and moving group membership*, 2014, *A&A*, 564, 10.
13. **Schlieder, J. E.**, Bonnefoy, M., Herbst, T. M., Lépine, S., Berger, E., et al., *Characterization of the Benchmark Binary NLTT 33370*, 2014, *ApJ*, 783, 27.
12. Bonnefoy, M., Currie, T., Marleau, G. D., **Schlieder, J. E.**, Wisniewski, J., et al., *Characterization of the gaseous companion  $\kappa$  Andromedae b: New Keck and LBTI high-contrast observations*, 2014, *A&A*, 562, 111.
11. Crossfield, I. J. M., Biller, B. A., **Schlieder, J. E.**, Deacon, N. R., Bonnefoy, M., et al., *A Weather Map of the Nearest Known Brown Dwarf*, 2014, *Nature*, 505, 654.
10. Biller, B. A., et al. (including **Schlieder, J. E.**), *Weather on the Nearest Brown Dwarfs: Resolved Simultaneous Multi-Wavelength Variability Monitoring of WISE J104915.57-531906AB*, 2013, *ApJ*, 778, L10.
9. Janson, M., et al. (including **Schlieder, J. E.**), *Direct Imaging Detection of Methane in the Atmosphere of GJ 504 b*, 2013, *ApJ*, 778, L4.
8. Deacon, N. R., **Schlieder, J. E.**, Olofsson, J., Johnston, K. G., and Henning, Th., *A Young Hierarchical Triple System Harbours a Candidate Debris Disc*, 2013, *MNRAS*, 434, 1117.

7. Carson, J., et al. (including **Schlieder, J. E.**), *Direct Imaging Discovery of a “Super-Jupiter” around the Late B-type Star  $\kappa$  And*, 2013, *ApJ*, 763, L32.
6. **Schlieder, J. E.**, Lépine, S., and Simon, M., *Likely Members of the  $\beta$  Pictoris and AB Doradus Moving Groups in the North*, 2012, *AJ*, 144, 109.
5. Simon, M., **Schlieder, J. E.**, Constantin, A. M., and Silverstein, M. *WISE Detection of the Circumstellar Disk Associated with 2MASS J0820-8003 in the  $\eta$  Cha Cluster*, 2012, *ApJ*, 751, 114.
4. **Schlieder, J. E.**, Lépine, S., Rice, E., Simon, M., Fielding, D., and Tomasino, R., *The Na 8200 Å Doublet as an Age Indicator in Low-mass Stars*, 2012, *AJ*, 143, 114.
3. **Schlieder, J. E.**, Lépine, S., and Simon, M., *Cool Young Stars in the Northern Hemisphere:  $\beta$  Pictoris and AB Doradus Moving Group Candidates*, 2012, *AJ*, 143, 80.
2. **Schlieder, J. E.**, Lépine, S., and Simon, M.,  *$\beta$  Pictoris and AB Doradus Moving Groups: Likely New Low-Mass Members*, 2010, *AJ*, 140, 119.
1. Shepard, M. K., Margot, J. L., Magri, C., Nolan, M. C., **Schlieder, J. E.**, et al., *Radar and infrared observations of binary near-Earth Asteroid 2002 CE26*, 2006, *Icarus*, 184, 198.