

Total Refereed: 181; 1st-author: 16; Citations: 6155; h-index: 50; i10-index: 133

## First-Author Publications

- [1] **F. Dai**, K Masuda, JN Winn, L Zeng 2019, The Astrophysical Journal, 883, 1, [ADS](#)  
*Homogeneous Analysis of Hot Earths: Masses, Sizes, and Compositions*
- [2] **F. Dai**, JN Winn, 2017, The Astronomical Journal 153, 205, [ADS](#)  
*The Oblique Orbit of WASP-107b from K2 Photometry*
- [3] **F. Dai**, JN Winn, D Gandolfi, et al., 2017, The Astronomical Journal 154, 226, [ADS](#)  
*The Discovery and Mass Measurement of a New Ultra-short-period Planet: K2-131b*
- [4] **F. Dai**, K Masuda, JN Winn, 2018, The Astrophysical Journal Letter, 864, 2, L38, [ADS](#)  
*Larger Mutual Inclinations for the Shortest-period Planets*
- [5] **F. Dai**, A Masuda, C Beard, et al., 2023, The Astronomical Journal, 165, 33, [ADS](#)  
*TOI-1136 is a Young, Coplanar, Aligned Planetary System in a Pristine Resonant Chain*
- [6] **F. Dai**, S Facchini, CJ Clarke, TJ Haworth, 2015, MNRAS 449, 2, [ADS](#)  
*A Tidal Encounter Caught in the Act: Modelling a Star-disc Fly-by in the Young RW Aurigae System*
- [7] **F. Dai**, JN Winn, S Albrecht, P Arriagada, et al., 2016, The Astrophysical Journal 825, 53, [ADS](#)  
*Doppler Monitoring of five K2 Transiting Planetary Systems*
- [8] **F. Dai**, JN Winn, et al., 2017, The Astronomical Journal 153, 40 [ADS](#)  
*The Stellar Obliquity, Planet Mass, and Very Low Albedo of Qatar-2 from K2 Photometry*
- [9] **F. Dai**, A Howard, N Batalha, et al., 2021, The Astronomical Journal, 162, 62, [ADS](#)  
*The TESS-Keck Survey. X: TOI-1444b and a Comparative Analysis of the Ultra-short-period Planets with Hot Neptunes*
- [1] **F. Dai**, JN Winn, P Arriagada, RP Butler, et al., 2015, The Astrophysical Journal Letters 813, L9, [ADS](#)  
*Doppler Monitoring of the WASP-47 Multiplanet System*
- [11] **F. Dai**, R Roy, BJ Fulton, et al. 2020, The Astronomical Journal, 160, 193, [ADS](#)  
*The TESS-Keck Survey. III. A Stellar Obliquity Measurement of TOI-1726 c*
- [12] **F. Dai**, JN Winn, K Schlaufman, et al., 2020, The Astronomical Journal, 159, 247, [ADS](#)  
*California-Kepler Survey. IX. Revisiting the Minimum-mass Extrasolar Nebula with Precise Stellar Parameters*
- [13] **F. Dai**, M. Goldberg, K. Batygin, et al., 2024, The Astronomical Journal, 166, 239, [ADS](#)  
*The Prevalence of Resonance Among Young, Close-in Planets*
- [14] **F. Dai**, JN Winn, Z Berta-Thompson, R Sanchis-Ojeda, 2018, The Astronomical Journal 155, 177, [ADS](#)  
*Stellar Obliquity and Magnetic Activity of Planet-hosting Stars and Eclipsing Binaries Based on Transit Chord Correlation*
- [15] **F. Dai**, A. Howard, S. Halverson, et al., 2024, The Astronomical Journal, 168, 101, [ADS](#)  
*An Earth-sized Planet on the Verge of Tidal Disruption*
- [16] **F. Dai**, K. C. Schlaufman, H. Reggiani, et al., 2023, The Astronomical Journal, 166, 49, [ADS](#)  
*A Mini-Neptune Orbiting the Metal-poor K Dwarf BD+ 29 2654*

## Major-Contribution Publications

- [17] Y. Xu & **F. Dai**, 2025, The Astrophysical Journal 981, 142 [ADS](#)  
*Amplifying Resonant Repulsion with Inflated Young Planets, Overlooked Inner Planets, and Nonzero Initial  $\Delta$*
- [18] R. Lee, **F. Dai**, et al., 2025, The Astrophysical Journal Letters 983 L36, [ADS](#)  
*TOI-6324 b: An Earth-mass Ultra-short-period Planet Transiting a Nearby M Dwarf*
- [19] F. Keller, **F. Dai** & W. Xu, 2025, The Astrophysical Journal, in press, [ADS](#)  
*Higher-Order Mean-Motion Resonances Can Form in Type-I Disk Migration*
- [20] E. Zhang, H. Teng, **F. Dai**, et al. 2025, The Astrophysical Journal, in press, [ADS](#)  
*TOI-880 is an Aligned, Coplanar, Multi-planet System*

- [21] H. Teng, **F. Dai**, 2025, The Astrophysical Journal, 170, 51 [ADS](#)  
*Stellar Obliquity of the Ultra-short-period Planet System HD 93963*
- [22] Z. Hu, W. Zhu, **F. Dai**, 2024, The Astrophysical Journal Letters 977, L28 [ADS](#)  
*An Eccentric Binary with a Misaligned Circumbinary Disk*
- [23] H. Teng, **F. Dai**, et al., 2024, The Astronomical Journal 168, 194, [ADS](#)  
*The  $\sim 50$  Myr Old TOI-942c is Likely on an Aligned, Coplanar Orbit and Losing Mass*
- [24] S. Giacalone, **F. Dai**, et al., 2024, The Astronomical Journal 168, 188, [ADS](#)  
*The OATMEAL Survey. I. Low Stellar Obliquity in the Transiting Brown Dwarf System GPX-1*
- [25] R. Rubenzahl, **F. Dai**, et al., 2024, The Astronomical Journal 168, 189, [ADS](#)  
*KPF Confirms a Polar Orbit for KELT-18 b*
- [26] R. Rubenzahl, **F. Dai**, et al., 2024, The Astrophysical Journal Letters 971, L40, [ADS](#)  
*Obliquity Constraints for the Extremely Eccentric Sub-Saturn Kepler-1656 b*
- [27] H. Yu & **F. Dai**, 2024, The Astrophysical Journal, 159, 972 [ADS](#)  
*Are WASP-107-like Systems Consistent with High-eccentricity Migration?*
- [28] T. Gan, S. Wang, **F. Dai**, et al., 2024, The Astrophysical Journal Letters, 969, 1, L24, [ADS](#)  
*The Aligned Orbit of a Hot Jupiter around the M Dwarf TOI-4201*
- [29] R. Rubenzahl, **F. Dai**, et al., 2024, The Astronomical Journal, 167, 4, 16, [ADS](#)  
*The TESS-Keck Survey. XII. A Dense 1.8 R Ultra-short-period Planet Possibly Clinging to a High-mean-molecular-weight Atmosphere after the First Gigayear*
- [30] C. Beard, P. Robertson, **F. Dai**, et al., 2024, The Astronomical Journal, 167, 2, 70, [ADS](#)  
*The TESS-Keck Survey. XVII. Precise Mass Measurements in a Young, High-multiplicity Transiting Planet System Using Radial Velocities and Transit Timing Variations*
- [31] A. Behmard, **F. Dai**, et al., 2023, Monthly Notices of the Royal Astronomical Society, 521, 2, [ADS](#)  
*Planet engulfment detections are rare according to observations and stellar modelling*
- [32] C. Brinkman, L. Weiss, **F. Dai**, et al., 2023, The Astronomical Journal, 165, 3, 88, [ADS](#)  
*TOI-561 b: A Low-density Ultra-short-period Rocky Planet around a Metal-poor Star*
- [33] A. Goyal, **F. Dai**, S. Wang, 2023, The Astrophysical Journal, 955, 2, 118, [ADS](#)  
*Enhanced Size Uniformity for Near-resonant Planets*
- [34] T. Hirano, **F. Dai**, et al., 2023, The Astronomical Journal, 165, 3, 131, 14, [ADS](#)  
*An Earth-sized Planet around an M5 Dwarf Star at 22 pc*
- [35] M. Zhang, **F. Dai**, et al., 2023, The Astrophysical Journal Letters, 953, 2, L25, [ADS](#)  
*Outflowing helium from a mature mini-Neptune*
- [36] A. Behmard, **F. Dai**, A. Howard, 2022, The Astronomical Journal, 163, 4 [ADS](#)  
*Stellar Companions to TESS Objects of Interest: A Test of Planet-Companion Alignment*
- [37] W. Zhu, K. Bernhard, **F. Dai**, et al., 2022, The Astrophysical Journal Letters 933 (1), L21, [ADS](#)  
*Two Candidate KH 15Dlike Systems from the Zwicky Transient Facility*
- [38] L. Weiss, **F. Dai**, et al., 2021, The Astronomical Journal, 161, 2, [ADS](#)  
*The TESS-Keck Survey. II. An Ultra-short-period Rocky Planet and Its Siblings Transiting the Thick-disk Star TOI-561*
- [39] R. Rubenzahl, **F. Dai**, et al., 2021, The Astronomical Journal, 161, 3, [ADS](#)  
*TESS-Keck Survey. IV. A Retrograde, Polar Orbit for the Ultra-low-density, Hot Super-Neptune WASP-107b*
- [40] L. Wang & **F. Dai**, 2021, The Astrophysical Journal, 914, 2, 98, [ADS](#)  
*Metastable Helium Absorptions with 3D Hydrodynamics and Self-consistent Photochemistry. II. WASP-107b, Stellar Wind, Radiation Pressure, and Shear Instability*
- [41] L. Wang & **F. Dai**, 2021, The Astrophysical Journal, 914, 2, 98, [ADS](#)  
*Metastable Helium Absorptions with 3D Hydrodynamics and Self-consistent Photochemistry. I. WASP-69b, Dimensionality, X-Ray and UV Flux Level, Spectral Types, and Flares*
- [42] G. Li, **F. Dai** & J. Becker, 2020, The Astrophysical Journal Letters, 890, 2 [ADS](#)  
*Mutual Inclination Excitation by Stellar Oblateness*
- [43] J. Livingston, **F. Dai**, et al., 2019, MNRAS, 484, 1, [ADS](#)  
*K2-264: a Transiting Multiplanet System in the Praesepe Open Cluster*
- [44] L. Wang & **F. Dai**, 2018, The Astrophysical Journal Letters 873, 1, L1, [ADS](#)  
*Dusty Outflows in Planetary Atmospheres: Understanding "Super-puffs" and Transmission Spectra of Sub-Neptunes*

- [45] JH Livingston, M Endl, **F. Dai**, et al., 2018, The Astronomical Journal 156 , 78 [ADS](#)  
*44 Validated Planets from K2 Campaign 10*
- [46] MC Johnson, **F. Dai**, et al., 2018, MNRAS, 481, 1, [ADS](#)  
*The K2-260 b: a Hot Jupiter Transiting an F Star, and K2-261 b: a Warm Saturn Around a Bright G Star*
- [47] L Wang & **F. Dai**, 2018, The Astrophysical Journal 860, 175, [ADS](#)  
*Evaporation of Low-mass Planet Atmospheres: Multidimensional Hydrodynamics with Consistent Thermochemistry*
- [48] W Zhu, **F. Dai**, K Masuda, 2018, Research Notes of the American Astronomical Society, 2, 3, [ADS](#)  
*Kepler-730b is Probably a Hot Jupiter with a Small Companion*
- [49] V Van Eylen, **F. Dai**, et al., 2018, MNRAS, 478, 4, [ADS](#)  
*HD 89345: a Bright Oscillating Star Hosting a Transiting Warm Saturn-sized Planet Observed by K2*
- [50] O Barragan, D Gandolfi, **F. Dai**, et al., 2018, Astronomy & Astrophysics 612, A95, [ADS](#)  
*K2-141 b-A 5-M<sub>⊕</sub> Super-Earth Transiting a K7 V Star Every 6.7 h*
- [51] T Hirano, **F. Dai**, et al., 2018, The Astronomical Journal 155 , 127, [ADS](#)  
*Exoplanets around Low-mass Stars Unveiled by K2*
- [52] T Hirano, **F. Dai**, et al., 2018, The Astronomical Journal 155 , 124, [ADS](#)  
*K2-155: A Bright Metal-poor M Dwarf with Three Transiting Super-Earths*
- [53] JH Livingston, **F. Dai**, et al., 2018, The Astronomical Journal 155 , 115, [ADS](#)  
*Three Small Planets Transiting a Hyades Star*
- [54] P Niraula, S Redfield, **F. Dai**, et al., 2017, The Astronomical Journal 154 , 266, [ADS](#)  
*Three Super-Earths Transiting the Nearby Star GJ 9827*
- [55] EW Guenther, O Barragan, **F. Dai**, et al., 2017, Astronomy & Astrophysics 608, A93, [ADS](#)  
*K2-106, a System Containing a Metal-rich Planet and a Planet of Lower Density*
- [56] R Sanchis-Ojeda, JN Winn, **F. Dai**, et al., 2015, The Astrophysical Journal Letters 812 , L11, [ADS](#)  
*A Low Stellar Obliquity for WASP-47, a Compact Multiplanet System with a Hot Jupiter and an Ultra-short Period Planet*

## Other Refereed Publications

- [57] J. ubjak, **including F. Dai**, et al., 2025, Astronomy & Astrophysics 693, A235 [ADS](#)  
*TOI-2458 b: A mini-Neptune consistent with in situ hot Jupiter formation*
- [58] Q. Liu, **including F. Dai**, et al., 2025, The Astronomical Journal 169, 79 [ADS](#)  
*Detecting Planetary Oblateness in the Era of JWST: A Case Study of Kepler-167e*
- [59] X. Hua, **including F. Dai**, et al., 2025, The Astrophysical Journal Letters 980, L46 [ADS](#)  
*Short-period Small Planets with High Mutual Inclinations are More Common around Metal-rich Stars*
- [60] M. Zhang, **including F. Dai**, et al., 2025, The Astronomical Journal 169, 204 [ADS](#)  
*Constraining atmospheric composition from the outflow: helium observations reveal the fundamental properties of two planets straddling the radius gap*
- [61] L. Handley, **including F. Dai**, et al., 2025, The Astronomical Journal 169, 212 [ADS](#)  
*An Obliquity Measurement of the Hot Neptune TOI-1694b*
- [62] Z. van Zandt, **including F. Dai**, et al., 2025, The Astronomical Journal 169, 235 [ADS](#)  
*The TESSKeck Survey. XXIV. Outer Giants May Be More Prevalent in the Presence of Inner Small Planets*
- [63] Y. Li, **including F. Dai**, et al., 2025, The Astrophysical Journal 984, 125 [ADS](#)  
*K Dwarf Radius Inflation and a 10 Gyr Spin-down Clock Unveiled through Asteroseismology of HD 219134 from the Keck Planet Finder*
- [64] R. Li, **including F. Dai**, et al., 2025, The Astronomical Journal 169, 323 [ADS](#)  
*The Resonant Remains of Broken Chains from Major and Minor Mergers*
- [65] Y. Chen, **including F. Dai**, et al., 2025, MNRAS, 540, 1998-2007 [ADS](#)  
*Capture and escape of planetary mean-motion resonances in turbulent discs*
- [66] A. Howard, **including F. Dai**, et al., 2025, ApJS, 278, 52 [ADS](#)  
*Planet Masses, Radii, and Orbits from NASAs K2 Mission*
- [67] S. Giacalone, **including F. Dai**, et al., 2025, PASP, 137,10 [ADS](#)  
*A Hot Jupiter with a Retrograde Orbit around a Sun-like Star and a Toy Model of Hot Jupiters in Wide Binary Star Systems*

- [68] V. Hugo, **including F. Dai**, et al., 2025, A&A, in press [ADS](#)  
*TOI-1259Ab: A Warm Jupiter Orbiting a K-dwarf White-Dwarf Binary is on a Well-aligned Orbit*
- [69] C. Brinkman, **including F. Dai**, et al., 2025, The Astronomical Journal 170, 109, [ADS](#)  
*The Compositions of Rocky Planets in Close-in Orbits Tend to be Earth-Like*
- [70] J. Zhang, **including F. Dai**, et al., 2025, The Astronomical Journal 168, 295, [ADS](#)  
*A Testbed for Tidal Migration: The 3D Architecture of an Eccentric Hot Jupiter HD 118203 b Accompanied by a Possibly Aligned Outer Giant Planet*
- [71] J. Livingston, **including F. Dai**, et al., 2025, Scientific Reports 14, 27219, [ADS](#)  
*An ultra-short-period super-Earth with an extremely high density and an outer companion*
- [72] M. Hon, **including F. Dai**, et al., 2025, The Astrophysical Journal 975, 147, [ADS](#)  
*Asteroseismology of the Nearby K Dwarf Draconis Using the Keck Planet Finder and TESS*
- [73] X. Wang, **including F. Dai**, et al., 2025, The Astrophysical Journal Letters 973, L21, [ADS](#)  
*Single-star Warm-Jupiter Systems Tend to Be Aligned, Even around Hot Stellar Hosts: No T eff Dependency*
- [74] N. Saunders, **including F. Dai**, et al., 2024, The Astronomical Journal 168, 2, 81, [ADS](#)  
*TESS Giants Transiting Giants. VI. Newly Discovered Hot Jupiters Provide Evidence for Efficient Obliquity Damping after the Main Sequence*
- [75] H. Isaacson, **including F. Dai**, et al., 2024, submitted to ApJS, [ADS](#)  
*The California Legacy Survey V. Chromospheric Activity Cycles in Main Sequence Stars*
- [76] Q. Liu, **including F. Dai**, et al., 2024, submitted to AJ, [ADS](#)  
*Detecting Planetary Oblateness in the Era of JWST: A Case Study of Kepler-167e*
- [77] S. Lange, **including F. Dai**, et al., 2024, The Astronomical Journal, 167, 6, 21, [ADS](#)  
*The TESS-Keck Survey. VII. A Superdense Sub-Neptune Orbiting TOI-1824*
- [78] A. Polanski, **including F. Dai**, et al., 2024, The Astrophysical Journal Supplement Series 272, 2, 32, [ADS](#)  
*The TESS-Keck Survey. XX. 15 New TESS Planets and a Uniform RV Analysis of All Survey Targets*
- [79] D. Pidhorodetska, **including F. Dai**, et al., 2024, submitted to AJ, [ADS](#)  
*The TESS-Keck Survey. XXII. A sub-Neptune Orbiting TOI-1437*
- [80] M. Limbach, **including F. Dai**, et al., 2024, The Astronomical Journal, 168, 2, 54, 11, [ADS](#)  
*Occurrence Rates of Exosatellites Orbiting 330 M Jup Hosts from 44 Spitzer Light Curves*
- [81] B. Hord, **including F. Dai**, et al., 2024, The Astronomical Journal, 168, 2, 54, 11, [ADS](#)  
*Identification of the top TESS objects of interest for atmospheric characterization of transiting exoplanets with JWST*
- [82] A. Desai, **including F. Dai**, et al., 2024, The Astronomical Journal, 167, 5, 194, [ADS](#)  
*The TESS-Keck Survey. XVIII. A sub-Neptune and spurious long-period signal in the TOI-1751 system*
- [83] F. Liu, **including F. Dai**, et al., 2024, Nature 627 (8004), 501-504, [ADS](#)  
*At least one in a dozen stars shows evidence of planetary ingestion*
- [84] C. Thomas, **including F. Dai**, et al., 2024, The Astronomical Journal 167, 4, 160, [ADS](#)  
*A Tale of Two Peas in a Pod: The Kepler-323 and Kepler-104 Systems*
- [85] M. Hill, **including F. Dai**, et al., 2024, The Astronomical Journal 167, 4, 151, [ADS](#)  
*The TESSKeck Survey. XIX. A Warm Transiting Sub-Saturn-mass Planet and a Nontransiting Saturn-mass Planet Orbiting a Solar Analog*
- [86] J. Xuan, **including F. Dai**, et al., 2024, The Astrophysical Journal, 962, 1, 21, [ADS](#)  
*Validation of elemental and isotopic abundances in late-M spectral types with the benchmark HIP 55507 AB system*
- [87] A. Householder, **including F. Dai**, et al., 2024, The Astronomical Journal 167, 2, 84, [ADS](#)  
*Investigating the Atmospheric Mass Loss of the Kepler-105 Planets Straddling the Radius Gap*
- [88] M. Zhang, **including F. Dai**, et al., 2024, The Astrophysical Journal Letters 961, L44, [ADS](#)  
*GJ 367b is a dark, hot, airless sub-Earth*
- [89] J. Lubin, **including F. Dai**, et al., 2024, The Astronomical Journal 168, 196, [ADS](#)  
*The HD 191939 Exoplanet System is Well Aligned and Flat*
- [90] J. Orell-Miquel, **including F. Dai**, et al., 2024, Astronomy & Astrophysics 689, A179, [ADS](#)  
*The MOPYS project: A survey of 70 planets in search of extended He I and H atmospheres-No evidence of enhanced evaporation in young planets*
- [91] S. Gibson, **including F. Dai**, et al., 2024, Ground-based and Airborne Instrumentation for Astron-



omy 13096, 42-70, [ADS](#)

*System design of the Keck Planet Finder*

- [92] P. Dalba, **including F. Dai**, et al., 2024, The Astrophysical Journal Supplement, 271, 1, 16, [ADS](#)  
*Giant Outer Transiting Exoplanet Mass (GOT’EM) Survey. IV. Long-term Doppler Spectroscopy for 11 Stars Thought to Host Cool Giant Exoplanets*
- [93] H. Deeg, **including F. Dai**, et al., 2023, Astronomy & Astrophysics, 677, A12, [ADS](#)  
*TOI-1416: A system with a super-Earth planet with a 1.07 d period*
- [94] R. Frazier, **including F. Dai**, et al., 2023, The Astrophysical Journal Letters 944, 2, L41, [ADS](#)  
*NEID Reveals That the Young Warm Neptune TOI-2076 b Has a Low Obliquity*
- [95] E. Goffo, **including F. Dai**, et al., 2023, The Astrophysical Journal Letters, 955, 1, L3, [ADS](#)  
*Company for the ultra-high density, ultra-short period sub-Earth GJ 367 b: discovery of two additional low-mass planets at 11.5 and 34 days*
- [96] C. Harada, **including F. Dai**, et al., 2023, The Astronomical Journal 166, 5, 208, [ADS](#)  
*Stability and detectability of exomoons orbiting HIP 41378 f, a temperate Jovian planet with an anomalously low apparent density*
- [97] A. Householder, **including F. Dai**, et al., 2023, The Astronomical Journal, 167, 2, 84, [ADS](#)  
*Investigating the Atmospheric Mass Loss of the Kepler-105 Planets Straddling the Radius Gap*
- [98] J. Korth, **including F. Dai**, et al., 2023, Astronomy & Astrophysics 675, A115, [ADS](#)  
*TOI-1130: A photodynamical analysis of a hot Jupiter in resonance with an inner low-mass planet*
- [99] E. Knudstrup, **including F. Dai**, et al., 2023, Astronomy & Astrophysics 671, A164, [ADS](#)  
*A puffy polar planet-The low density, hot Jupiter TOI-640 b is on a polar orbit*
- [100] E. Knudstrup, **including F. Dai**, et al., 2023, Monthly Notices of the Royal Astronomical Society 519, 4, 5637, [ADS](#)  
*Radial velocity confirmation of a hot super-Neptune discovered by TESS with a warm Saturnmass companion*
- [101] R. Luque, **including F. Dai**, et al., 2023, Nature 623, 932937, [ADS](#)  
*A resonant sextuplet of sub-Neptunes transiting the bright star HD 110067*
- [102] M. Mallorquin, **including F. Dai**, et al., 2023, Astronomy & Astrophysics 680, A76, [ADS](#)  
*TOI-1801 b: A temperate mini-Neptune around a young M0.5 dwarf*
- [103] J. Murphy, **including F. Dai**, et al., 2023, The Astronomical Journal 166, 4, 153, [ADS](#)  
*The TESS-Keck Survey. XVI. Mass Measurements for 12 Planets in Eight Systems*
- [104] M. Rice, **including F. Dai**, et al., 2023, The Astronomical Journal 165, 2, 65, [ADS](#)  
*The Orbital Architecture of Qatar-6: A Fully Aligned Three-body System?*
- [105] S. Vissapragada, **including F. Dai**, et al., 2022, The Astrophysical Journal Letters 941, 2, L31, [ADS](#)  
*The Possible Tidal Demise of Keplers First Planetary System*
- [106] J. Xuan, **including F. Dai**, et al., 2023, in press, [ADS](#)  
*Validation of elemental and isotopic abundances in late-M spectral types with the benchmark HIP 55507 AB system*
- [107] D. Yong, **including F. Dai**, et al., 2023, Monthly Notices of the Royal Astronomical Society, 526, 2, 2181, [ADS](#)  
*C3PO: towards a complete census of co-moving pairs of starsI. High precision stellar parameters for 250 stars*
- [108] S. Yoshida, **including F. Dai**, et al., 2023, The Astronomical Journal 166, 5, 181, [ADS](#)  
*TESS Spots a Super-puff: The Remarkably Low Density of TOI-1420b*
- [109] M. Zhang, R Hu, J Inglis, **F. Dai**, et al. 2023, The Astrophysical Journal Letters, 961, 2, L44, [ADS](#)  
*GJ 367b is a dark, hot, airless sub-Earth*
- [110] M. Rice, S Wang, **including F. Dai**, et al., 2022, The Astronomical Journal, 164, 104, [ADS](#)  
*A Tendency Toward Alignment in Single-star Warm-Jupiter Systems*
- [111] L Rosenthal, H Knutson, **including F. Dai**, et al., 2022, The Astrophysical Journal Supplement Series, 262, 1, [ADS](#)  
*The California Legacy Survey III. On The Shoulders of (Some) Giants: The Relationship between Inner Small Planets and Outer Massive Planets*
- [112] M MacDougall, E Petigura, **including F. Dai**, et al., 2022, The Astronomical Journal, 164, 3, [ADS](#)  
*The TESS-Keck Survey. XIII. An Eccentric Hot Neptune with a Similar-Mass Outer Companion*

around TOI-1272

*TOI-2196 b: Rare planet in the hot Neptune desert transiting a G-type star*

[113] S Yee, J Winn, **including F. Dai**, et al., 2022, The Astronomical Journal, 164, 2, [ADS](#)

*The TESS Grand Unified Hot Jupiter Survey. I. Ten TESS Planets*

[114] E Turtelboom, L Weiss, **including F. Dai**, et al., 2022, The Astrophysical Journal Letters, 933, 1, [ADS](#)

*The TESS-Keck Survey. XI. Mass Measurements for Four Transiting Sub-Neptunes Orbiting K Dwarf TOI-1246*

[115] J Christiansen, S Bhure, **including F. Dai**, et al., 2022, The Astronomical Journal, 163, 6, [ADS](#)

*Scaling K2. V. Statistical Validation of 60 New Exoplanets From K2 Campaigns 2-18*

[116] M Johnson, T David, **including F. Dai**, et al., 2022, The Astronomical Journal, 163, 6, [ADS](#)

*An Aligned Orbit for the Young Planet V1298 Tau b*

[117] L Serrano, D Gandolfi, **including F. Dai**, et al., 2022, Nature Astronomy, 6, 736-750, [ADS](#)

*A low-eccentricity migration pathway for a 13-h-period Earth analogue in a four-planet system*

*The Upper Edge of the Neptune Desert Is Stable Against Photoevaporation*

[118] O Barragan, D Armstrong, **including F. Dai**, et al., 2022, MNRAS, 514, 2, [ADS](#)

*The young HD 73583 (TOI-560) planetary system: two 10- $M_{\oplus}$  mini-Neptunes transiting a 500-Myr-old, bright, and active K dwarf*

[119] S Grunblatt, N Saunders, **including F. Dai**, et al., 2022, The Astronomical Journal, 163, 3, [ADS](#)

*TESS Giants Transiting Giants. II. The Hottest Jupiters Orbiting Evolved Stars*

[120] S Vissapragada, H Knutson, **including F. Dai**, et al., 2022, The Astrophysical Journal, 927, 1, [ADS](#)

*The Maximum Mass-loss Efficiency for a Photoionization-driven Isothermal Parker Wind*

[121] A Munazza, J Kirk, **including F. Dai**, et al., 2022, The Astrophysical Journal Letters, 927, 1, [ADS](#)

*The First Near-infrared Transmission Spectrum of HIP 41378 f, A Low-mass Temperate Jovian World in a Multiplanet System*

[122] K Lam, S Csizmadia, **including F. Dai**, et al., 2022, Science, 374, 6572, [ADS](#)

*GJ 367b: A dense, ultrashort-period sub-Earth planet transiting a nearby red dwarf star*

[123] M MacDougall, E Petigura, **including F. Dai**, et al., 2021, The Astronomical Journal, 162, 6, [ADS](#)

*The TESS-Keck Survey. VI. Two Eccentric Sub-Neptunes Orbiting HIP-97166*

[124] V Zandt, E Petigura, **including F. Dai**, et al., 2022, The Astronomical Journal, 161, 1, [ADS](#)

*TESS-Keck Survey XIV: 2 giant exoplanets from the Distant Giants Survey*

*Non-detection of He I in the atmosphere of GJ1214b with Keck/NIRSPEC, at a time of minimal telluric contamination*

[125] M Zhang, H Knutson, L Wang, **F. Dai**, et al., 2021, The Astronomical Journal, 161, 4, [ADS](#)

*No Escaping Helium from 55 Cnc e*

[126] M Zhang, H Knutson, L Wang, **F. Dai**, et al., 2021, The Astronomical Journal, 163, 2, [ADS](#)

*Detection of Ongoing Mass Loss from HD 63433c, a Young Mini Neptune*

[127] N Scarsdale, J Murphy, **including F. Dai**, et al., 2021, The Astronomical Journal, 162, 5, [ADS](#)

*TESS-Keck Survey. V. Twin Sub-Neptunes Transiting the Nearby G Star HD 63935*

[128] M Rice, S Wang, **including F. Dai**, et al., 2021, The Astronomical Journal, 162, 5, [ADS](#)

*SOLES I: The Spin-Orbit Alignment of K2-140 b*

[129] X Wang, M Rice, **including F. Dai**, et al., 2021, The Astrophysical Journal Letters, 926, 2, [ADS](#)

*The Aligned Orbit of WASP-148b, the Only Known Hot Jupiter with a nearby Warm Jupiter Companion, from NEID and HIRES*

[130] N Heidari ; I Boisse, **including F. Dai**, et al., 2021, Astronomy & Astrophysics, Volume 658, 176, [ADS](#)

*HD 207897 b: A dense sub-Neptune transiting a nearby and bright K-type star*

[131] M Kosiarek, D Berardo, **including F. Dai**, et al., 2021, The Astronomical Journal, 161, 1, [ADS](#)

*Physical Parameters of the Multiplanet Systems HD 106315 and GJ 9827*

[132] R Luque; L Serrano, **including F. Dai**, et al., 2021, Astronomy & Astrophysics, 645, [ADS](#)

*A Planetary System with two Transiting Mini-Neptunes Near the Radius Valley around the Bright M dwarf TOI-776*

[133] P Kimberly; S Vissapragada, **including F. Dai**, et al., 2021, The Astrophysical Journal Letters, 909, 1, L10, [ADS](#)

- [134] S Wang, JN Winn, **including F. Dai**, et al., 2021, The Astronomical Journal, 162, 2, [ADS](#)  
*The Aligned Orbit of the Eccentric Warm Jupiter K2-232b*
- [135] J Lubin, J Van Zandt, **including F. Dai**, et al., 2021, The Astronomical Journal, 163, 2, [ADS](#)  
*TESS-Keck Survey IX: Masses of Three Sub-Neptunes Orbiting HD 191939 and the Discovery of a Warm Jovian*
- [136] S Vissapragada, G Stefansson, **including F. Dai**, et al., 2021, The Astronomical Journal, 162, 5, [ADS](#)  
*A Search for Planetary Metastable Helium Absorption in the V1298 Tau System*
- [137] V Van Eylen, N Astudillo-Defru, **including F. Dai**, et al., 2021, MNRAS, 507, 2, [ADS](#)  
*Masses and Compositions of three Small Planets Orbiting the Nearby M dwarf L231-32 and the M dwarf Radius Valley*
- [138] A Osborn, D Armstrong, **including F. Dai**, et al., 2021, MNRAS, 507, 2, [ADS](#)  
*TOI-431/HIP 26013: a super-Earth and a sub-Neptune transiting a bright, early K dwarf, with a third RV planet*
- [139] A Chontos, J Murphy, **including F. Dai**, et al., 2021, The Astronomical Journal, 163, 6, [ADS](#)  
*The TESS-Keck Survey: Science Goals and Target Selection*
- [140] J G Winters, R Cloutier, **including F. Dai**, et al., 2021, The Astronomical Journal, 163, 4, [ADS](#)  
*A Second Planet Transiting LTT 1445A and a Determination of the Masses of Both Worlds*
- [141] J de Leon, J Livingston, **including F. Dai**, et al., 2021, MNRAS, 508, 1, [ADS](#)  
*37 New Validated Planets in Overlapping K2 Campaigns*
- [142] M A Limbach, J Vos, **including F. Dai**, et al., 2021, The Astrophysical Journal Letters, 918, 2, [ADS](#)  
*On the Detection of Exomoons Transiting Isolated Planetary-Mass Objects*
- [143] T Hirano, E Gaidos, **including F. Dai**, et al., 2020, The Astrophysical Journal Letters, 890, 2, [ADS](#)  
*Evidence for Spin-Orbit Alignment in the TRAPPIST-1 System*
- [144] L Nielsen, D Gandolfi, **including F. Dai**, et al., 2020, MNRAS, 492, 4, [ADS](#)  
*Mass Determinations of the three Mini-Neptunes Transiting TOI-125*
- [145] K Lam, Kristine, J Korth, **including F. Dai**, et al., 2020, The Astronomical Journal, 159, 3, [ADS](#)  
*It Takes Two Planets in Resonance to Tango around K2-146*
- [146] J Subjak, R Sharma, **including F. Dai**, et al., 2020, The Astronomical Journal, 159, 4, [ADS](#)  
*TOI-503: The First Known Brown-dwarf Am-star Binary from the TESS Mission*
- [147] D Hidalgo, E Palle, **including F. Dai**, et al., 2020, Astronomy & Astrophysics, 636, 13, [ADS](#)  
*Three Planets Transiting the Evolved Star EPIC 249893012: a Hot Super-Earth and Two Warm Sub-Neptunes*
- [148] Y Chachan, D Jontof-Hutter, **including F. Dai**, et al., 2020, The Astronomical Journal, 160, 5, [ADS](#)  
*A Featureless Infrared Transmission Spectrum for the Super-puff Planet Kepler-79d*
- [149] I Carleo, D Gandolfi, **including F. Dai**, et al., 2020, The Astronomical Journal, 160, 3, [ADS](#)  
*The Multiplanet System TOI-421*
- [150] M Fridlund, J Livingston, **including F. Dai**, et al., 2020, MNRAS, 498, 3, [ADS](#)  
*The TOI-763 system: Sub-Neptunes Orbiting a Sun-like star*
- [151] B-O Demory, F Pozuelos, **including F. Dai**, et al., 2020, Astronomy & Astrophysics, 642, 21, [ADS](#)  
*A Super-Earth and a Sub-Neptune Orbiting the Bright, Quiet M3 Dwarf TOI-1266*
- [152] G Nowak, E Palle, **including F. Dai**, et al., 2020, MNRAS, 497, 4, [ADS](#)  
*K2-280 b - a Low Density Warm Sub-Saturn Around a Mildly Evolved Star*
- [153] M Esposito, D Armstrong, **including F. Dai**, et al., 2019, Astronomy & Astrophysics, 623, 11 [ADS](#)  
*HD 219666 b: a Hot-Neptune from TESS Sector 1*
- [154] J Korth, Sz Csizmadia, **including F. Dai**, et al., 2019, MNRAS, 482, 2, [ADS](#)  
*K2-140b and K2-180b Characterization of a Hot Jupiter and a Mini Neptune from the K2 Mission*
- [155] E Palle, G Nowak, **including F. Dai**, et al., 2019, Astronomy & Astrophysics, 623, 10, [ADS](#)  
*Detection and Doppler monitoring of K2-285 (EPIC 246471491), a System of four Transiting Planets Smaller than Neptune*
- [156] A Smith, Sz Csizmadia, **including F. Dai**, et al., 2019, Acta Astronomica, 69, 2, [ADS](#)

- [157] R Luque, G Nowak, **including F. Dai**, et al., 2019, *Astronomy & Astrophysics*, 623, 9, [ADS](#)  
*Detection and Characterization of an Ultra-dense sub-Neptunian Planet Orbiting the Sun-like Star K2-292*
- [158] S Kamiaka, O Benomar, **including F. Dai**, et al., 2019, *The Astronomical Journal*, 157, 4, [ADS](#)  
*The Misaligned Orbit of the Earth-sized Planet Kepler-408b*
- [159] M Hjorth, A Justesen, **including F. Dai**, et al., 2019, *MNRAS*, 484, 3, [ADS](#)  
*K2-290: a Warm Jupiter and a Mini-Neptune in a Triple-star System*
- [160] D Gandolfi, L Fossati, **including F. Dai**, et al., 2019, *The Astrophysical Journal Letters*, 876, 2, [ADS](#)  
*The Transiting Multi-planet System HD15337: Two Nearly Equal-mass Planets Straddling the Radius Gap*
- [161] L Bouma, JN Winn, **including F. Dai**, et al., 2019, *The Astronomical Journal*, 157, 6, [ADS](#)  
*WASP-4b Arrived Early for the TESS Mission*
- [162] Z Zhan, M Gunther, **including F. Dai**, et al., 2019, *The Astrophysical Journal*, 876, 2, [ADS](#)  
*Complex Rotational Modulation of Rapidly Rotating M Stars Observed with TESS*
- [163] C Persson, Sz Csizmadia, **including F. Dai**, et al., 2019, *Astronomy & Astrophysics*, 628, 14, [ADS](#)  
*Greening of the Brown Dwarf Desert. EPIC 212036875 b – a 51  $M_J$  object in a 5 day orbit around an F7 V star*
- [164] S Rappaport, A Vanderburg, **including F. Dai**, et al., 2019, *MNRAS*, 488, 2, [ADS](#)  
*The Random Transiter EPIC 249706694/HD 139139*
- [165] A Santerne, L Malavolta, **including F. Dai**, et al., 2019, Submitted to *Nature Astronomy*, [ADS](#)  
*An Extremely Low-density and Temperate Giant Exoplanet*
- [166] E Pale, G Nowak, R Luque, D Hidalgo, O Barragan, J Prieto-Arranz, **including F. Dai**, et al., 2018, *Astronomy & Astrophysics*, 623, 41, [ADS](#)  
*Detection and Doppler Monitoring of EPIC 246471491, a System of four Transiting Planets Smaller than Neptune*
- [167] CM Persson, M Fridlund, O Barragan, **F. Dai**, et al., 2018, *Astronomy & Astrophysics*, 618, 16, [ADS](#)  
*An Super-Earth in a 2.2 day orbit around the K5V star K2-216*
- [168] JK Teske, S Wang, A Wolfgang, **F. Dai**, et al., 2018, *The Astronomical Journal* 155 , 148, [ADS](#)  
*Magellan/PFS Radial Velocities of GJ 9827, a Late K dwarf at 30 pc with Three Transiting Super-Earths*
- [169] J Prieto-Arranz, E Pale, ... **F. Dai**, et al., 2018, *Astronomy & Astrophysics*, 618, 116, [ADS](#)  
*Mass Determination of the 1: 3: 5 Near-resonant Planets Transiting GJ 9827 (K2-135)*
- [170] JN Winn, EA Petigura, **including F. Dai**, et al., 2017, *The Astronomical Journal* 154 , 270, [ADS](#)  
*Constraints on the Obliquities of Kepler Planet-hosting Stars*
- [171] D Gandolfi, O Barragn, **including F. Dai**, et al., 2017, *The Astronomical Journal* 154 , 123, [ADS](#)  
*The Transiting Multi-planet System HD 3167: A Super-Earth and a Mini-Neptune*
- [172] A Smith, J Cabrera, **including F. Dai**, et al., 2017, *MNRAS*, 474, 5523, [ADS](#)  
*K2-137 b: an Earth-sized Planet in a 4.3-h Orbit Around an M-dwarf*
- [173] KC Patra, JN Winn, **including F. Dai**, 2017, *The Astronomical Journal* 154 , 4, [ADS](#)  
*The Apparently Decaying Orbit of WASP-12b*
- [174] G Nowak, E Pale, **including F. Dai**, et al., 2017, *The Astronomical Journal* 153 , 131, [ADS](#)  
*EPIC 219388192b An Inhabitant of the Brown Dwarf Desert in the Ruprecht 147 Open Cluster*
- [175] N Narita, T Hirano, **including F. Dai**, et al., 2017, *Publications of the Astronomical Society of Japan* 69 , 29, [ADS](#)  
*The K2-ESPRINT project. VI. K2-105 b, a Hot Neptune around a Metal-rich G-dwarf*
- [176] V Van Eylen, S Albrecht, **including F. Dai**, et al., 2016, *The Astronomical Journal* 152, 143, [ADS](#)  
*The K2-Esprint Project. V. A Short-period Giant Planet Orbiting a Subgiant Star*
- [177] T Hirano, G Nowak, **including F. Dai**, et al., 2016, *The Astrophysical Journal* 825 , 53, [ADS](#)  
*The K2-ESPRINT Project IV. A Hot Jupiter in a Prograde Orbit with a Possible Stellar Companion*
- [178] V Van Eylen, G Nowak, **including F. Dai**, et al., 2016, *The Astrophysical Journal* 820, 56, [ADS](#)  
*The K2-ESPRINT Project. II. Spectroscopic Follow-up of Three Exoplanet Systems from Campaign 1 of K2*



- [179] T Hirano, A Fukui, **including F. Dai**, et al., 2016, The Astrophysical Journal 820 , 41, [ADS](#)  
*The K2-ESPRINT Project III: A Close-in Super-Earth around a Metal-rich Mid-M Dwarf*
- [180] R Sanchis-Ojeda, S Rappaport, **including F. Dai**, et al., 2015, The Astrophysical Journal 812 , 112, [ADS](#)  
*The K2-ESPRINT Project. I. Discovery of the Disintegrating Rocky Planet K2-22b with a Cometary Head and Leading Tail*
- [181] L Yu, JN Winn, **including F. Dai**, et al., 2015, The Astrophysical Journal 812 , 48, [ADS](#)  
*Tests of the Planetary Hypothesis for PTFO 8-8695b*