

Frederick Hearty

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

3,605
citations

430874

18
h-index

377865

34
g-index

37
all docs

37
docs citations

37
times ranked

4930
citing authors

#	ARTICLE	IF	CITATIONS
1	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. <i>Astronomical Journal</i> , 2017, 154, 28.	4.7	1,100
2	The Fourteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the Extended Baryon Oscillation Spectroscopic Survey and from the Second Phase of the Apache Point Observatory Galactic Evolution Experiment. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 42.	7.7	796
3	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 35.	7.7	405
4	The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 23.	7.7	299
5	The habitable-zone planet finder: a stabilized fiber-fed NIR spectrograph for the Hobby-Eberly Telescope. <i>Proceedings of SPIE</i> , 2012, , .	0.8	121
6	Homogeneous analysis of globular clusters from the APOGEE survey with the BACCHUS code â€œ II. The Southern clusters and overview. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1641-1670.	4.4	103
7	Stellar spectroscopy in the near-infrared with a laser frequency comb. <i>Optica</i> , 2019, 6, 233.	9.3	86
8	The Habitable-zone Planet Finder: A status update on the development of a stabilized fiber-fed near-infrared spectrograph for the for the Hobby-Eberly telescope. <i>Proceedings of SPIE</i> , 2014, , .	0.8	83
9	A VERSATILE TECHNIQUE TO ENABLE SUB-MILLI-KELVIN INSTRUMENT STABILITY FOR PRECISE RADIAL VELOCITY MEASUREMENTS: TESTS WITH THE HABITABLE-ZONE PLANET FINDER*. <i>Astrophysical Journal</i> , 2016, 833, 175.	4.5	80
10	Evidence for He i 10830 Å... Absorption during the Transit of a Warm Neptune around the M-dwarf GJ 3470 with the Habitable-zone Planet Finder. <i>Astrophysical Journal</i> , 2020, 894, 97.	4.5	59
11	A comprehensive radial velocity error budget for next generation Doppler spectrometers. <i>Proceedings of SPIE</i> , 2016, , .	0.8	57
12	A Sub-Neptune-sized Planet Transiting the M2.5 Dwarf G 9-40: Validation with the Habitable-zone Planet Finder. <i>Astronomical Journal</i> , 2020, 159, 100.	4.7	45
13	AN EFFICIENT, COMPACT, AND VERSATILE FIBER DOUBLE SCRAMBLER FOR HIGH PRECISION RADIAL VELOCITY INSTRUMENTS. <i>Astrophysical Journal</i> , 2015, 806, 61.	4.5	39
14	The Habitable Zone Planet Finder Reveals a High Mass and Low Obliquity for the Young Neptune K2-25b. <i>Astronomical Journal</i> , 2020, 160, 192.	4.7	35
15	Persistent Starspot Signals on M Dwarfs: Multiwavelength Doppler Observations with the Habitable-zone Planet Finder and Keck/HIRES. <i>Astrophysical Journal</i> , 2020, 897, 125.	4.5	32
16	Overview of the spectrometer optical fiber feed for the habitable-zone planet finder. , 2018, , .		27
17	The Warm Neptune GJ 3470b Has a Polar Orbit. <i>Astrophysical Journal Letters</i> , 2022, 931, L15.	8.3	27
18	The Aligned Orbit of WASP-148b, the Only Known Hot Jupiter with a nearby Warm Jupiter Companion, from NEID and HIRES. <i>Astrophysical Journal Letters</i> , 2022, 926, L8.	8.3	23

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19	A Warm Jupiter Transiting an M Dwarf: A TESS Single-transit Event Confirmed with the Habitable-zone Planet Finder. <i>Astronomical Journal</i> , 2020, 160, 147.	4.7	22
20	TOI-1728b: The Habitable-zone Planet Finder Confirms a Warm Super-Neptune Orbiting an M-dwarf Host. <i>Astrophysical Journal</i> , 2020, 899, 29.	4.5	19
21	Nondetection of Helium in the Upper Atmospheres of TRAPPIST-1b, e, and f*. <i>Astronomical Journal</i> , 2021, 162, 82.	4.7	18
22	Observing the Sun as a Star: Design and Early Results from the NEID Solar Feed. <i>Astronomical Journal</i> , 2022, 163, 184.	4.7	17
23	A Mini-Neptune and a Radius Valley Planet Orbiting the Nearby M2 Dwarf TOI-1266 in Its Venus Zone: Validation with the Habitable-zone Planet Finder. <i>Astronomical Journal</i> , 2020, 160, 259.	4.7	16
24	TOI-532b: The Habitable-zone Planet Finder confirms a Large Super Neptune in the Neptune Desert orbiting a metal-rich M-dwarf host. <i>Astronomical Journal</i> , 2021, 162, 135.	4.7	14
25	Target Prioritization and Observing Strategies for the NEID Earth Twin Survey. <i>Astronomical Journal</i> , 2021, 161, 130.	4.7	10
26	Gaia 20eae: A Newly Discovered Episodically Accreting Young Star. <i>Astrophysical Journal</i> , 2022, 926, 68.	4.5	9
27	Broadband Stability of the Habitable Zone Planet Finder Fabry-rot Etalon Calibration System: Evidence for Chromatic Variation. <i>Astronomical Journal</i> , 2021, 161, 252.	4.7	8
28	The Habitable-zone Planet Finder Detects a Terrestrial-mass Planet Candidate Closely Orbiting Gliese 1151: The Likely Source of Coherent Low-frequency Radio Emission from an Inactive Star. <i>Astrophysical Journal Letters</i> , 2021, 919, L9.	8.3	8
29	An Eccentric Brown Dwarf Eclipsing an M dwarf. <i>Astronomical Journal</i> , 2022, 163, 89.	4.7	8
30	High-resolution Near-infrared Spectroscopy of a Flare around the Ultracool Dwarf vB 10. <i>Astrophysical Journal</i> , 2022, 925, 155.	4.5	8
31	The NEID precision radial velocity spectrometer: optical design of the port adapter and ADC. , 2018, , .		6
32	Rotational Modulation of Spectroscopic Zeeman Signatures in Low-mass Stars. <i>Astrophysical Journal Letters</i> , 2022, 927, L11.	8.3	6
33	The NEID precision radial velocity spectrometer: port adapter overview, requirements, and test plan. , 2018, , .		5
34	A Harsh Test of Far-field Scrambling with the Habitable-zone Planet Finder and the Hobby-Eberly Telescope. <i>Astrophysical Journal</i> , 2021, 912, 15.	4.5	4
35	A Close-in Puffy Neptune with Hidden Friends: The Enigma of TOI 620. <i>Astronomical Journal</i> , 2022, 163, 269.	4.7	4
36	A Hot Mars-sized Exoplanet Transiting an M Dwarf. <i>Astronomical Journal</i> , 2022, 163, 3.	4.7	3

#	ARTICLE	IF	CITATIONS
37	TOI-1696 and TOI-2136: Constraining the Masses of Two Mini-Neptunes with the Habitable-Zone Planet Finder. <i>Astronomical Journal</i> , 2022, 163, 286.	4.7	3