

Megan Bedell

List of Publications by Year in descending order

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35
papers

1,372
citations

331670

21
h-index

377865

34
g-index

37
all docs

37
docs citations

37
times ranked

1831
citing authors

#	ARTICLE	IF	CITATIONS
1	HELIOS: AN OPEN-SOURCE, GPU-ACCELERATED RADIATIVE TRANSFER CODE FOR SELF-CONSISTENT EXOPLANETARY ATMOSPHERES. <i>Astronomical Journal</i> , 2017, 153, 56.	4.7	128
2	The Chemical Homogeneity of Sun-like Stars in the Solar Neighborhood. <i>Astrophysical Journal</i> , 2018, 865, 68.	4.5	118
3	Toward Precise Stellar Ages: Combining Isochrone Fitting with Empirical Gyrochronology. <i>Astronomical Journal</i> , 2019, 158, 173.	4.7	88
4	STELLAR CHEMICAL ABUNDANCES: IN PURSUIT OF THE HIGHEST ACHIEVABLE PRECISION. <i>Astrophysical Journal</i> , 2014, 795, 23.	4.5	77
5	HIGH PRECISION ABUNDANCES OF THE OLD SOLAR TWIN HIP 102152: INSIGHTS ON Li DEPLETION FROM THE OLDEST SUN. <i>Astrophysical Journal Letters</i> , 2013, 774, L32.	8.3	75
6	The Transiting Multi-planet System HD 3167: A 5.7 M _J Super-Earth and an 8.3 M _J Mini-Neptune. <i>Astronomical Journal</i> , 2017, 154, 123.	4.7	71
7	18 Sco: A SOLAR TWIN RICH IN REFRACTORY AND NEUTRON-CAPTURE ELEMENTS. IMPLICATIONS FOR CHEMICAL TAGGING. <i>Astrophysical Journal</i> , 2014, 791, 14.	4.5	69
8	The Solar Twin Planet Search. <i>Astronomy and Astrophysics</i> , 2018, 619, A73.	5.1	66
9	The temporal evolution of neutron-capture elements in the Galactic discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	58
10	No Evidence for Lunar Transit in New Analysis of Hubble Space Telescope Observations of the Kepler-1625 System. <i>Astrophysical Journal Letters</i> , 2019, 877, L15.	8.3	51
11	K2-98b: A 32 M _J NEPTUNE-SIZE PLANET IN A 10 DAY ORBIT TRANSITING AN F8 STAR. <i>Astronomical Journal</i> , 2016, 152, 193.	4.7	43
12	How Magnetic Activity Alters What We Learn from Stellar Spectra. <i>Astrophysical Journal</i> , 2020, 895, 52.	4.5	43
13	The Solar Twin Planet Search. <i>Astronomy and Astrophysics</i> , 2016, 592, A156.	5.1	42
14	Kepler-11 is a Solar Twin: Revising the Masses and Radii of Benchmark Planets via Precise Stellar Characterization. <i>Astrophysical Journal</i> , 2017, 839, 94.	4.5	41
15	The Li-age correlation: the Sun is unusually Li deficient for its age. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4052-4059.	4.4	39
16	WOBBLE: A Data-driven Analysis Technique for Time-series Stellar Spectra. <i>Astronomical Journal</i> , 2019, 158, 164.	4.7	38
17	The Solar Twin Planet Search. <i>Astronomy and Astrophysics</i> , 2017, 597, A34.	5.1	36
18	Constraining the evolution of stellar rotation using solar twins. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 485, L68-L72.	3.3	32

#	ARTICLE	IF	CITATIONS
19	Evolution of the Exoplanet Size Distribution: Forming Large Super-Earths Over Billions of Years. <i>Astronomical Journal</i> , 2021, 161, 265.	4.7	29
20	The EXPRES Stellar Signals Project II. State of the Field in Disentangling Photospheric Velocities. <i>Astronomical Journal</i> , 2022, 163, 171.	4.7	27
21	TOI-2076 and TOI-1807: Two Young, Comoving Planetary Systems within 50 pc Identified by TESS that are Ideal Candidates for Further Follow Up. <i>Astronomical Journal</i> , 2021, 162, 54.	4.7	25
22	Chemical evidence for planetary ingestion in a quarter of Sun-like stars. <i>Nature Astronomy</i> , 2021, 5, 1163-1169.	10.1	23
23	TOI-530b: a giant planet transiting an M-dwarf detected by <i>TESS</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 83-99.	4.4	23
24	A <i>TESS</i> Dress Rehearsal: Planetary Candidates and Variables from <i>K2</i> Campaign 17. <i>Astrophysical Journal</i> , Supplement Series, 2018, 239, 5.	7.7	20
25	Thorium in solar twins: implications for habitability in rocky planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 1690-1700.	4.4	20
26	The Young Planet DS Tuc Ab Has a Low Obliquity*. <i>Astronomical Journal</i> , 2020, 159, 112.	4.7	19
27	Variations in $\hat{\alpha}$ -element Ratios Trace the Chemical Evolution of the Disk. <i>Astrophysical Journal</i> , 2019, 883, 34.	4.5	16
28	Actions Are Weak Stellar Age Indicators in the Milky Way Disk. <i>Astrophysical Journal</i> , 2018, 867, 31.	4.5	14
29	Spectroscopic binaries in the Solar Twin Planet Search program: from substellar mass to M dwarf companions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 3425-3436.	4.4	13
30	No Massive Companion to the Coherent Radio-emitting M Dwarf GJ 1151. <i>Astrophysical Journal Letters</i> , 2020, 890, L19.	8.3	12
31	Higher Compact Multiple Occurrence around Metal-poor M-dwarfs and Late-K-dwarfs. <i>Astronomical Journal</i> , 2021, 161, 203.	4.7	6
32	Excalibur: A Nonparametric, Hierarchical Wavelength Calibration Method for a Precision Spectrograph. <i>Astronomical Journal</i> , 2021, 161, 80.	4.7	4
33	HD 183579b: a warm sub-Neptune transiting a solar twin detected by <i>TESS</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 2220-2240.	4.4	3
34	The 3D Galactocentric Velocities of Kepler Stars: Marginalizing Over Missing Radial Velocities. <i>Astronomical Journal</i> , 2022, 164, 25.	4.7	2
35	MONITORING $H\alpha$ EMISSION AND CONTINUUM OF UXORs: RR Tauri. <i>Astronomical Journal</i> , 2011, 142, 164.	4.7	1