

H M Cegla

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,937
citations

236925

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h-index

265206

42
g-index

42
all docs

42
docs citations

42
times ranked

1327
citing authors

#	ARTICLE	IF	CITATIONS
1	Nightside condensation of iron in an ultrahot giant exoplanet. <i>Nature</i> , 2020, 580, 597-601.	27.8	178
2	A spectral survey of an ultra-hot Jupiter. <i>Astronomy and Astrophysics</i> , 2019, 627, A165.	5.1	145
3	The Rossiter-McLaughlin effect reloaded: Probing the 3D spin-orbit geometry, differential stellar rotation, and the spatially-resolved stellar spectrum of star-planet systems. <i>Astronomy and Astrophysics</i> , 2016, 588, A127.	5.1	99
4	Orbital misalignment of the Neptune-mass exoplanet GJ 436b with the spin of its cool star. <i>Nature</i> , 2018, 553, 477-480.	27.8	92
5	Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS). <i>Astronomy and Astrophysics</i> , 2019, 623, A166.	5.1	88
6	Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS). <i>Astronomy and Astrophysics</i> , 2020, 641, A123.	5.1	88
7	Three years of Sun-as-a-star radial-velocity observations on the approach to solar minimum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1082-1100.	4.4	81
8	Mass-loss rate and local thermodynamic state of the KELT-9 b thermosphere from the hydrogen Balmer series. <i>Astronomy and Astrophysics</i> , 2020, 638, A87.	5.1	64
9	Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS). <i>Astronomy and Astrophysics</i> , 2020, 635, A205.	5.1	63
10	Detection of Na, K, and Hα absorption in the atmosphere of WASP-52b using ESPRESSO. <i>Astronomy and Astrophysics</i> , 2020, 635, A171.	5.1	62
11	MODELING THE ROSSITER-MCLAUGHLIN EFFECT: IMPACT OF THE CONVECTIVE CENTER-TO-LIMB VARIATIONS IN THE STELLAR PHOTOSPHERE. <i>Astrophysical Journal</i> , 2016, 819, 67.	4.5	59
12	HARPS-N Solar RVs Are Dominated by Large, Bright Magnetic Regions. <i>Astrophysical Journal</i> , 2019, 874, 107.	4.5	59
13	Filtering Solar-Like Oscillations for Exoplanet Detection in Radial Velocity Observations. <i>Astronomical Journal</i> , 2019, 157, 163.	4.7	59
14	Three years of HARPS-N high-resolution spectroscopy and precise radial velocity data for the Sun. <i>Astronomy and Astrophysics</i> , 2021, 648, A103.	5.1	58
15	STELLAR SURFACE MAGNETO-CONVECTION AS A SOURCE OF ASTROPHYSICAL NOISE. I. MULTI-COMPONENT PARAMETERIZATION OF ABSORPTION LINE PROFILES. <i>Astrophysical Journal</i> , 2013, 763, 95.	4.5	57
16	WASP-22 b: A TRANSITING "HOT JUPITER" PLANET IN A HIERARCHICAL TRIPLE SYSTEM. <i>Astronomical Journal</i> , 2010, 140, 2007-2012.	4.7	51
17	ESTIMATING STELLAR RADIAL VELOCITY VARIABILITY FROM KEPLER AND GALEX: IMPLICATIONS FOR THE RADIAL VELOCITY CONFIRMATION OF EXOPLANETS. <i>Astrophysical Journal</i> , 2014, 780, 104.	4.5	44
18	Separating planetary reflex Doppler shifts from stellar variability in the wavelength domain. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 1699-1717.	4.4	44

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19	A window on exoplanet dynamical histories: Rossiter-McLaughlin observations of WASP-13b and WASP-32b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 3392-3401.	4.4	41
20	High-resolution transmission spectroscopy of MASCARA-2 b with EXPRES. <i>Astronomy and Astrophysics</i> , 2020, 641, A120.	5.1	41
21	Stellar jitter from variable gravitational redshift: implications for radial velocity confirmation of habitable exoplanets. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 421, L54-L58.	3.3	40
22	Titanium oxide and chemical inhomogeneity in the atmosphere of the exoplanet WASP-189 b. <i>Nature Astronomy</i> , 2022, 6, 449-457.	10.1	40
23	Refined architecture of the WASP-8 system: A cautionary tale for traditional Rossiter-McLaughlin analysis. <i>Astronomy and Astrophysics</i> , 2017, 599, A33.	5.1	39
24	Stellar Surface Magneto-convection as a Source of Astrophysical Noise. II. Center-to-limb Parameterization of Absorption Line Profiles and Comparison to Observations. <i>Astrophysical Journal</i> , 2018, 866, 55.	4.5	35
25	Temporal evolution and correlations of optical activity indicators measured in Sun-as-a-star observations. <i>Astronomy and Astrophysics</i> , 2019, 627, A118.	5.1	31
26	Understanding stellar activity-induced radial velocity jitter using simultaneous K_2 photometry and HARPS RV measurements. <i>Astronomy and Astrophysics</i> , 2017, 606, A107.	5.1	29
27	Orbital misalignment of the super-Earth ϵ Men with the spin of its star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 2893-2911.	4.4	28
28	The EXPRES Stellar Signals Project II. State of the Field in Disentangling Photospheric Velocities. <i>Astronomical Journal</i> , 2022, 163, 171.	4.7	27
29	The Warm Neptune GJ 3470b Has a Polar Orbit. <i>Astrophysical Journal Letters</i> , 2022, 931, L15.	8.3	27
30	Stellar Surface Magnetoconvection as a Source of Astrophysical Noise. III. Sun-as-a-Star Simulations and Optimal Noise Diagnostics. <i>Astrophysical Journal</i> , 2019, 879, 55.	4.5	26
31	The Impact of Stellar Surface Magnetoconvection and Oscillations on the Detection of Temperate, Earth-Mass Planets Around Sun-Like Stars. <i>Geosciences (Switzerland)</i> , 2019, 9, 114.	2.2	25
32	Detection Limits of Low-mass, Long-period Exoplanets Using Gaussian Processes Applied to HARPS-N Solar Radial Velocities. <i>Astronomical Journal</i> , 2021, 161, 287.	4.7	17
33	Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS). <i>Astronomy and Astrophysics</i> , 2020, 643, A45.	5.1	17
34	Testing the Spectroscopic Extraction of Suppression of Convective Blueshift. <i>Astrophysical Journal</i> , 2020, 888, 117.	4.5	15
35	The spectral impact of magnetic activity on disc-integrated HARPS-N solar observations: exploring new activity indicators. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 4279-4290.	4.4	14
36	The hot Neptune WASP-166Ab with ESPRESSO II: confirmation of atmospheric sodium. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2022, 513, L15-L19.	3.3	12

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37	The EBLM project â€“ VII. Spinâ€“orbit alignment for the circumbinary planet host EBLM J0608-59â€“A/TOI-1338â€“A. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1627-1633.	4.4	10
38	Estimating Magnetic Filling Factors from Simultaneous Spectroscopy and Photometry: Disentangling Spots, Plage, and Network. Astrophysical Journal, 2021, 920, 21.	4.5	10
39	Can we detect the stellar differential rotation of WASP-7 through the Rossiterâ€“McLaughlin observations?. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5928-5943.	4.4	9
40	Spectral Line Depth Variability in Radial Velocity Spectra. Astrophysical Journal, 2022, 930, 121.	4.5	5
41	A cautionary tale: limitations of a brightness-based spectroscopic approach to chromatic exoplanet radii. Astronomy and Astrophysics, 2017, 598, L3.	5.1	4
42	Optimal parameter space for detecting stellar differential rotation and centre-to-limb convective variations. Astronomy and Astrophysics, 2022, 661, A97.	5.1	4