Dennis Jack

List of Publications by Year
in descending order

31 papers	401 citations	840776 11 h-index	794594 19 g-index
32 all docs	32 docs citations	32 times ranked	691 citing authors

#	Article	IF	Citations
1	Yet another star in the Albireo system. Astronomy and Astrophysics, 2022, 661, A49.	5.1	1
2	On the physical nature of the Wilsonâ€“Bappu effect: revising the gravity and temperature dependence. Monthly Notices of the Royal Astronomical Society, 2022, 513, 906-924.	4.4	4
3	Fast synthetic spectral fitting for large stellar samples: a critical test with 25 bright stars of known rotation. Monthly Notices of the Royal Astronomical Society, 2021, 501, 5042-5050.	4.4	4
4	A celestial matryoshka: dynamical and spectroscopic analysis of the Albireo system. Monthly Notices of the Royal Astronomical Society, 2021, 502, 328-350.	4.4	5
5	Time series of optical spectra of Nova <scp>V659</scp> Sct. Astronomische Nachrichten, 2020, 341, 781-790.	1.2	3
6	Bright spectroscopic binaries: I. Orbital parameters of five systems with periods of P <â€‰365â€‰days. Astronomische Nachrichten, 2020, 341, 616-627.	1.2	8
7	Magnetic activity and evolution of the four Hyades K giants. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1110-1119.	4.4	13
8	Computational mathematics applied to astrophysics: Three cases of study. Journal of Physics: Conference Series, 2019, 1329, 012001.	0.4	0
9	A catalog of spectroscopic binary candidate stars derived from a comparison of Gaia DR2 with other radial velocity catalogs. Astronomische Nachrichten, 2019, 340, 386-397.	1.2	1
10	INTERSTELLAR ABSORPTION TOWARDS THE NOVAE V339 DEL AND V5668 SGR. Revista Mexicana De Astronomia Y Astrofisica, 2019, 55, 141-149.	0.5	2
11	Stellar activity of evolved, cool giants â€“ old questions revisited. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2137-2143.	4.4	9
12	Stellar Parameters of Albireo Aa Determined with High-resolution Spectroscopy. Research Notes of the AAS, 2018, 2, 225.	0.7	1
13	Study of the variability of Nova V5668 Sgr, based on highâ€resolution spectroscopic monitoring. Astronomische Nachrichten, 2017, 338, 91-102.	1.2	8
14	Carrington cycle 24: the solar chromospheric emission in a historical and stellar perspective. Monthly Notices of the Royal Astronomical Society, 2017, 470, 276-282.	4.4	5
15	High spectral resolution monitoring of Nova V339 Delphini with TIGRE(Corrigendum). Astronomy and Astrophysics, 2016, 589, C4.	5.1	0
16	TheÎ±CrB binary system: A new radial velocity curve, apsidal motion, and the alignment of rotation and orbit axes. Astronomy and Astrophysics, 2016, 586, A104.	5.1	11
17	Time series of high-resolution spectra of SN 2014J observed with the TIGRE telescope. Monthly Notices of the Royal Astronomical Society, 2015, 451, 4104-4113.	4.4	17
18	High spectral resolution monitoring of Nova V339 Delphini with TIGRE. Astronomy and Astrophysics, 2015, 581, A134.	5.1	9

#	Article	IF	Citations
19	Identification of the feature that causes the I-band secondary maximum of a Type Ia supernova. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3581-3586.	4.4	14
20	Constraint on the magnetic dipole moment of neutrinos by the tip-RGB luminosity in Ï‰-Centauri. Astroparticle Physics, 2015, 70, 1-11.	4.3	54
21	TIGRE: A new robotic spectroscopy telescope at Guanajuato, Mexico. Astronomische Nachrichten, 2014, 335, 787-796.	1.2	72
22	ON SILICON GROUP ELEMENTS EJECTED BY SUPERNOVAE TYPE IA. Astrophysical Journal, 2014, 787, 149.	4.5	11
23	Habitability around F-type stars. International Journal of Astrobiology, 2014, 13, 244-258.	1.6	35
24	Time-dependent radiative transfer with PHOENIX(Corrigendum). Astronomy and Astrophysics, 2013, 549, C1.	5.1	0
25	EVIDENCE FOR TYPE Ia SUPERNOVA DIVERSITY FROM ULTRAVIOLET OBSERVATIONS WITH THEHUBBLE SPACE TELESCOPE. Astrophysical Journal, 2012, 749, 126.	4.5	49
26	A 3D radiative transfer framework. Astronomy and Astrophysics, 2012, 546, A39.	5.1	6
27	Near-infrared light curves of type Ia supernovae. Astronomy and Astrophysics, 2012, 538, A132.	5.1	12
28	Theoretical light curves of type Ia supernovae. Astronomy and Astrophysics, 2011, 528, A141.	5.1	17
29	Time-dependent radiative transfer with PHOENIX. Astronomy and Astrophysics, 2009, 502, 1043-1049.	5.1	19
30	Bright spectroscopic binaries: II . A study of five systems with orbital periods of days. Astronomische Nachrichten, 0, , .	1.2	2
31	Eight Years of TIGRE Robotic Spectroscopy: Operational Experience and Selected Scientific Results. Frontiers in Astronomy and Space Sciences, 0, 9, .	2.8	9