

# Trifon Trifonov

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,727  
citations

304743

22  
h-index

289244

40  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1872  
citing authors

#	ARTICLE	IF	CITATIONS
1	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 612, A49.	5.1	173
2	A candidate super-Earth planet orbiting near the snow line of Barnard's star. <i>Nature</i> , 2018, 563, 365-368.	27.8	109
3	Public HARPS radial velocity database corrected for systematic errors. <i>Astronomy and Astrophysics</i> , 2020, 636, A74.	5.1	107
4	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 609, A117.	5.1	103
5	Planetary system around the nearby M dwarf GJ 357 including a transiting, hot, Earth-sized planet optimal for atmospheric characterization. <i>Astronomy and Astrophysics</i> , 2019, 628, A39.	5.1	97
6	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2019, 627, A49.	5.1	95
7	A giant exoplanet orbiting a very-low-mass star challenges planet formation models. <i>Science</i> , 2019, 365, 1441-1445.	12.6	78
8	Correcting HIRES/Keck radial velocities for small systematic errors. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 484, L8-L13.	3.3	69
9	HD 202772A b: A Transiting Hot Jupiter around a Bright, Mildly Evolved Star in a Visual Binary Discovered by TESS. <i>Astronomical Journal</i> , 2019, 157, 51.	4.7	66
10	CARMENES: an overview six months after first light. <i>Proceedings of SPIE</i> , 2016, , .	0.8	59
11	TOI-1338: TESS's First Transiting Circumbinary Planet. <i>Astronomical Journal</i> , 2020, 159, 253.	4.7	58
12	The CARMENES Search for Exoplanets around M Dwarfs: A Low-mass Planet in the Temperate Zone of the Nearby K2-18. <i>Astronomical Journal</i> , 2018, 155, 257.	4.7	43
13	A nearby transiting rocky exoplanet that is suitable for atmospheric investigation. <i>Science</i> , 2021, 371, 1038-1041.	12.6	41
14	Cluster Difference Imaging Photometric Survey. II. TOI 837: A Young Validated Planet in IC 2602. <i>Astronomical Journal</i> , 2020, 160, 239.	4.7	38
15	Precise radial velocities of giant stars. <i>Astronomy and Astrophysics</i> , 2014, 568, A64.	5.1	37
16	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 618, A115.	5.1	37
17	CARMENES: high-resolution spectra and precise radial velocities in the red and infrared. , 2018, , .		37
18	Precise mass and radius of a transiting super-Earth planet orbiting the M dwarf TOI-1235: a planet in the radius gap?. <i>Astronomy and Astrophysics</i> , 2020, 639, A132.	5.1	33

#	ARTICLE	IF	CITATIONS
19	TOI-677b: A Warm Jupiter (P = 11.2 days) on an Eccentric Orbit Transiting a Late F-type Star. <i>Astronomical Journal</i> , 2020, 159, 145.	4.7	32
20	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 643, A112.	5.1	31
21	TESS exoplanet candidates validated with HARPS archival data. <i>Astronomy and Astrophysics</i> , 2019, 622, L7.	5.1	30
22	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 636, A119.	5.1	24
23	TOI-481 b and TOI-892 b: Two Long-period Hot Jupiters from the Transiting Exoplanet Survey Satellite. <i>Astronomical Journal</i> , 2020, 160, 235.	4.7	23
24	TOI-1201 b: A mini-Neptune transiting a bright and moderately young M dwarf. <i>Astronomy and Astrophysics</i> , 2021, 656, A124.	5.1	22
25	Precise radial velocities of giant stars. <i>Astronomy and Astrophysics</i> , 2019, 625, A22.	5.1	21
26	Precise Transit and Radial-velocity Characterization of a Resonant Pair: The Warm Jupiter TOI-216c and Eccentric Warm Neptune TOI-216b. <i>Astronomical Journal</i> , 2021, 161, 161.	4.7	21
27	Two Jovian Planets around the Giant Star HD 202696: A Growing Population of Packed Massive Planetary Pairs around Massive Stars?. <i>Astronomical Journal</i> , 2019, 157, 93.	4.7	20
28	A Transiting Warm Giant Planet around the Young Active Star TOI-201. <i>Astronomical Journal</i> , 2021, 161, 235.	4.7	20
29	Mass and density of the transiting hot and rocky super-Earth LHS 1478 b (TOI-1640 b). <i>Astronomy and Astrophysics</i> , 2021, 649, A144.	5.1	19
30	A Highly Eccentric Warm Jupiter Orbiting TIC 237913194. <i>Astronomical Journal</i> , 2020, 160, 275.	4.7	19
31	Three short-period Jupiters from TESS. <i>Astronomy and Astrophysics</i> , 2020, 639, A76.	5.1	17
32	Three planets around HD 27894. <i>Astronomy and Astrophysics</i> , 2017, 602, L8.	5.1	16
33	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 638, A16.	5.1	16
34	Precise radial velocities of giant stars. <i>Astronomy and Astrophysics</i> , 2015, 582, A54.	5.1	15
35	A Pair of Warm Giant Planets near the 2:1 Mean Motion Resonance around the K-dwarf Star TOI-2202*. <i>Astronomical Journal</i> , 2021, 162, 283.	4.7	13
36	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2022, 663, A48.	5.1	12

#	ARTICLE	IF	CITATIONS
37	TOI 564 b and TOI 905 b: Grazing and Fully Transiting Hot Jupiters Discovered by TESS. <i>Astronomical Journal</i> , 2020, 160, 229.	4.7	11
38	Occurrence rates of small planets from HARPS. <i>Astronomy and Astrophysics</i> , 2020, 643, A106.	5.1	10
39	A Transiting, Temperate Mini-Neptune Orbiting the M Dwarf TOI-1759 Unveiled by TESS. <i>Astronomical Journal</i> , 2022, 163, 133.	4.7	10
40	Dynamical Analysis of the Circumprimary Planet in the Eccentric Binary System HD 59686. <i>Astronomical Journal</i> , 2018, 155, 174.	4.7	9
41	Discovery and mass measurement of the hot, transiting, Earth-sized planet, GJ 3929 b. <i>Astronomy and Astrophysics</i> , 2022, 659, A17.	5.1	9
42	A multi-planetary system orbiting the early-M dwarf TOI-1238. <i>Astronomy and Astrophysics</i> , 2022, 658, A138.	5.1	7
43	TOI-1842b: A Transiting Warm Saturn Undergoing Re-inflation around an Evolving Subgiant. <i>Astronomical Journal</i> , 2022, 163, 82.	4.7	6
44	Precise radial velocities of giant stars. <i>Astronomy and Astrophysics</i> , 2020, 644, A1.	5.1	5
45	Analysis of the public HARPS/ESO spectroscopic archive. Jupiter-like planets around HD103891 and HD105779. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	4
46	Precise radial velocities of giant stars. <i>Astronomy and Astrophysics</i> , 2021, 647, A160.	5.1	3
47	New HARPS and FEROS Observations of GJ 1046. <i>Research Notes of the AAS</i> , 2018, 2, 180.	0.7	2
48	Two Giant Planets Orbiting the K Giant Star $\hat{\iota}$ -Cet. <i>Proceedings of the International Astronomical Union</i> , 2013, 8, 309-310.	0.0	0
49	Dynamical Architecture of the HD 107148 Planetary System. <i>Astronomical Journal</i> , 2022, 163, 198.	4.7	0