

Felipe Murgas

List of Publications by Year in descending order

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121
papers

4,258
citations

101543

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123
docs citations

123
times ranked

2719
citing authors

#	ARTICLE	IF	CITATIONS
1	TOI-2285b: A 1.7 Earth-radius planet near the habitable zone around a nearby M dwarf. Publication of the Astronomical Society of Japan, 2022, 74, L1-L8.	2.5	5
2	Rapid contraction of giant planets orbiting the 20-million-year-old star V1298 Tau. Nature Astronomy, 2022, 6, 232-240.	10.1	40
3	Validation of 13 Hot and Potentially Terrestrial TESS Planets. Astronomical Journal, 2022, 163, 99.	4.7	8
4	A tentative detection of He in the atmosphere of GJ 1214 b. Astronomy and Astrophysics, 2022, 659, A55.	5.1	32
5	HATS-74Ab, HATS-75b, HATS-76b, and HATS-77b: Four Transiting Giant Planets Around K and M Dwarfs*. Astronomical Journal, 2022, 163, 125.	4.7	24
6	NEID Rossiter-McLaughlin Measurement of TOI-1268b: A Young Warm Saturn Aligned with Its Cool Host Star. Astrophysical Journal Letters, 2022, 926, L7.	8.3	11
7	A Second Planet Transiting LTT 1445A and a Determination of the Masses of Both Worlds. Astronomical Journal, 2022, 163, 168.	4.7	23
8	Nodal precession of WASP-33b for 11 yr by Doppler tomographic and transit photometric observations. Monthly Notices of the Royal Astronomical Society, 2022, 512, 4404-4418.	4.4	6
9	TOI-530b: a giant planet transiting an M-dwarf detected by TESS. Monthly Notices of the Royal Astronomical Society, 2022, 511, 83-99.	4.4	23
10	A Possible Alignment Between the Orbits of Planetary Systems and their Visual Binary Companions. Astronomical Journal, 2022, 163, 207.	4.7	15
11	A low-eccentricity migration pathway for a 13-h-period Earth analogue in a four-planet system. Nature Astronomy, 2022, 6, 736-750.	10.1	9
12	A Close-in Puffy Neptune with Hidden Friends: The Enigma of TOI 620. Astronomical Journal, 2022, 163, 269.	4.7	4
13	The TESS-Keck Survey: Science Goals and Target Selection. Astronomical Journal, 2022, 163, 297.	4.7	16
14	TOI-1696: A Nearby M4 Dwarf with a 3 R _J Planet in the Neptunian Desert. Astronomical Journal, 2022, 163, 298.	4.7	6
15	The TESS-Keck Survey. II. An Ultra-short-period Rocky Planet and Its Siblings Transiting the Galactic Thick-disk Star TOI-561. Astronomical Journal, 2021, 161, 56.	4.7	30
16	Identification and Mitigation of a Vibrational Telescope Systematic with Application to Spitzer. Planetary Science Journal, 2021, 2, 9.	3.6	5
17	A nearby transiting rocky exoplanet that is suitable for atmospheric investigation. Science, 2021, 371, 1038-1041.	12.6	41
18	Evidence for TiO in the Atmosphere of the Hot Jupiter HAT-P-65 b. Astrophysical Journal Letters, 2021, 913, L16.	8.3	11

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19	ESPRESSO mass determination of TOI-263b: an extreme inhabitant of the brown dwarf desert. <i>Astronomy and Astrophysics</i> , 2021, 650, A55.	5.1	12
20	An ultra-short-period transiting super-Earth orbiting the M3 dwarf TOI-1685. <i>Astronomy and Astrophysics</i> , 2021, 650, A78.	5.1	27
21	TOI-269 b: an eccentric sub-Neptune transiting a M2 dwarf revisited with ExTrA. <i>Astronomy and Astrophysics</i> , 2021, 650, A145.	5.1	17
22	Simultaneous photometric and CARMENES spectroscopic monitoring of fast-rotating M dwarf GJ 3270. <i>Astronomy and Astrophysics</i> , 2021, 651, A105.	5.1	5
23	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
24	TOI-1634 b: An Ultra-short-period Keystone Planet Sitting inside the M-dwarf Radius Valley. <i>Astronomical Journal</i> , 2021, 162, 79.	4.7	25
25	TIC 454140642: A Compact, Coplanar, Quadruple-lined Quadruple Star System Consisting of Two Eclipsing Binaries. <i>Astrophysical Journal</i> , 2021, 917, 93.	4.5	19
26	TOI-674b: An oasis in the desert of exo-Neptunes transiting a nearby M dwarf. <i>Astronomy and Astrophysics</i> , 2021, 653, A60.	5.1	23
27	TOI-1749: an M dwarf with a Trio of Planets including a Near-resonant Pair. <i>Astronomical Journal</i> , 2021, 162, 167.	4.7	6
28	Two Bright M Dwarfs Hosting Ultra-Short-Period Super-Earths with Earth-like Compositions*. <i>Astronomical Journal</i> , 2021, 162, 161.	4.7	20
29	Evidence for stellar contamination in the transmission spectra of HAT-P-12b. <i>Astronomy and Astrophysics</i> , 2021, 656, A114.	5.1	6
30	TOI-519 b: A short-period substellar object around an M dwarf validated using multicolour photometry and phase curve analysis. <i>Astronomy and Astrophysics</i> , 2021, 645, A16.	5.1	18
31	Vetting of 384 TESS Objects of Interest with TRICERATOPS and Statistical Validation of 12 Planet Candidates. <i>Astronomical Journal</i> , 2021, 161, 24.	4.7	64
32	Is the orbit of the exoplanet WASP-43b really decaying? <i>TESS</i> and MuSCAT2 observations confirm no detection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 5514-5523.	4.4	11
33	TIC 172900988: A Transiting Circumbinary Planet Detected in One Sector of TESS Data. <i>Astronomical Journal</i> , 2021, 162, 234.	4.7	30
34	TOI-2109: An Ultrahot Gas Giant on a 16 hr Orbit. <i>Astronomical Journal</i> , 2021, 162, 256.	4.7	21
35	GJ 367b: A dense, ultrashort-period sub-Earth planet transiting a nearby red dwarf star. <i>Science</i> , 2021, 374, 1271-1275.	12.6	30
36	TOI-1431b/MASCARA-5b: A Highly Irradiated Ultrahot Jupiter Orbiting One of the Hottest and Brightest Known Exoplanet Host Stars. <i>Astronomical Journal</i> , 2021, 162, 292.	4.7	11

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37	MuSCAT2 multicolour validation of TESS candidates: an ultra-short-period substellar object around an M dwarf. <i>Astronomy and Astrophysics</i> , 2020, 633, A28.	5.1	28
38	Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS). <i>Astronomy and Astrophysics</i> , 2020, 641, A123.	5.1	88
39	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
40	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 642, A173.	5.1	47
41	Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS). <i>Astronomy and Astrophysics</i> , 2020, 635, A205.	5.1	63
42	Discovery of a hot, transiting, Earth-sized planet and a second temperate, non-transiting planet around the M4 dwarf GJ 3473 (TOI-488). <i>Astronomy and Astrophysics</i> , 2020, 642, A236.	5.1	27
43	A giant planet candidate transiting a white dwarf. <i>Nature</i> , 2020, 585, 363-367.	27.8	111
44	K2-280â€‰â€‰â€‰ a low density warm sub-Saturn around a mildly evolved star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 4423-4435.	4.4	2
45	TOI-503: The First Known Brown-dwarf Am-star Binary from the TESS Mission*. <i>Astronomical Journal</i> , 2020, 159, 151.	4.7	29
46	It Takes Two Planets in Resonance to Tango around K2-146. <i>Astronomical Journal</i> , 2020, 159, 120.	4.7	14
47	Mass determinations of the three mini-Neptunes transiting TOI-125. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5399-5412.	4.4	28
48	TOI-132â€‰â€‰â€‰: A short-period planet in the Neptune desert transiting a $V = 11.3$ -type star.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 973-985.	4.4	19
49	Optical phase curve of the ultra-hot Jupiter WASP-121b. <i>Astronomy and Astrophysics</i> , 2020, 637, A36.	5.1	50
50	Three planets transiting the evolved star EPIC 249893012: a hot 8.8- M_{\oplus} super-Earth and two warm 14.7 and 10.2- M_{\oplus} sub-Neptunes. <i>Astronomy and Astrophysics</i> , 2020, 636, A89.	5.1	9
51	A hot terrestrial planet orbiting the bright M dwarf L 168-9 unveiled by TESS. <i>Astronomy and Astrophysics</i> , 2020, 636, A58.	5.1	35
52	Revisiting Proxima with ESPRESSO. <i>Astronomy and Astrophysics</i> , 2020, 639, A77.	5.1	81
53	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 644, A127.	5.1	27
54	The GTC exoplanet transit spectroscopy survey. <i>Astronomy and Astrophysics</i> , 2020, 641, A158.	5.1	16

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55	Detection of Na in WASP-21b's lower and upper atmosphere. <i>Astronomy and Astrophysics</i> , 2020, 642, A54.	5.1	15
56	Obliquity measurement and atmospheric characterisation of the WASP-74 planetary system. <i>Astronomy and Astrophysics</i> , 2020, 642, A50.	5.1	14
57	An enhanced slope in the transmission spectrum of the hot Jupiter WASP-104b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 5420-5435.	4.4	15
58	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
59	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
60	Three Red Suns in the Sky: A Transiting, Terrestrial Planet in a Triple M-dwarf System at 6.9 pc. <i>Astronomical Journal</i> , 2019, 158, 152.	4.7	59
61	Kojima-11b is a Mildly Cold Neptune around the Brightest Microlensing Host Star. <i>Astronomical Journal</i> , 2019, 158, 206.	4.7	18
62	TOI-216b and TOI-216 c: Two Warm, Large Exoplanets in or Slightly Wide of the 2:1 Orbital Resonance. <i>Astronomical Journal</i> , 2019, 158, 65.	4.7	22
63	Radial velocity confirmation of K2-100b: a young, highly irradiated, and low-density transiting hot Neptune. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 698-708.	4.4	46
64	Characterization of the L 98-59 multi-planetary system with HARPS. <i>Astronomy and Astrophysics</i> , 2019, 629, A111.	5.1	49
65	Proxima Centauri b is not a transiting exoplanet. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 268-274.	4.4	21
66	Qatar Exoplanet Survey: Qatar-8b, 9b, and 10b – A Hot Saturn and Two Hot Jupiters. <i>Astronomical Journal</i> , 2019, 157, 224.	4.7	5
67	Qatar Exoplanet Survey: Qatar-7 – A Very Hot Jupiter Orbiting a Metal-rich F-Star. <i>Astronomical Journal</i> , 2019, 157, 74.	4.7	2
68	Detection and Doppler monitoring of K2-285 (EPIC 246471491), a system of four transiting planets smaller than Neptune. <i>Astronomy and Astrophysics</i> , 2019, 623, A41.	5.1	13
69	Bright Opportunities for Atmospheric Characterization of Small Planets: Masses and Radii of K2-3 b, c, and d and GJ3470 b from Radial Velocity Measurements and Spitzer Transits. <i>Astronomical Journal</i> , 2019, 157, 97.	4.7	36
70	Confirmation of the radial velocity super-Earth K2-18c with HARPS and CARMENES. <i>Astronomy and Astrophysics</i> , 2019, 621, A49.	5.1	38
71	Near-resonance in a System of Sub-Neptunes from TESS. <i>Astronomical Journal</i> , 2019, 158, 177.	4.7	34
72	The GTC exoplanet transit spectroscopy survey. <i>Astronomy and Astrophysics</i> , 2019, 622, A172.	5.1	12

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73	MASCARA-3b. <i>Astronomy and Astrophysics</i> , 2019, 631, A76.	5.1	8
74	Greening of the brown-dwarf desert. <i>Astronomy and Astrophysics</i> , 2019, 628, A64.	5.1	19
75	Multicolour photometry for exoplanet candidate validation. <i>Astronomy and Astrophysics</i> , 2019, 630, A89.	5.1	41
76	A Second Terrestrial Planet Orbiting the Nearby M Dwarf LHS 1140. <i>Astronomical Journal</i> , 2019, 157, 32.	4.7	83
77	The GTC exoplanet transit spectroscopy survey. <i>Astronomy and Astrophysics</i> , 2018, 609, A33.	5.1	13
78	A candidate super-Earth planet orbiting near the snow line of Barnard's star. <i>Nature</i> , 2018, 563, 365-368.	27.8	109
79	A Large Ground-based Observing Campaign of the Disintegrating Planet K2-22b. <i>Astronomical Journal</i> , 2018, 156, 227.	4.7	7
80	Radial velocity follow-up of GJ1132 with HARPS. <i>Astronomy and Astrophysics</i> , 2018, 618, A142.	5.1	54
81	A temperate exo-Earth around a quiet M dwarf at 3.4 parsec. <i>Astronomy and Astrophysics</i> , 2018, 613, A25.	5.1	92
82	Mass determination of the 1:3:5 near-resonant planets transiting GJ 9827 (K2-135). <i>Astronomy and Astrophysics</i> , 2018, 618, A116.	5.1	21
83	The GTC exoplanet transit spectroscopy survey. <i>Astronomy and Astrophysics</i> , 2018, 616, A145.	5.1	68
84	MASCARA-2 b. <i>Astronomy and Astrophysics</i> , 2018, 612, A57.	5.1	50
85	Eyes on K2-3: A system of three likely sub-Neptunes characterized with HARPS-N and HARPS. <i>Astronomy and Astrophysics</i> , 2018, 615, A69.	5.1	29
86	MuSCAT2: four-color simultaneous camera for the 1.52-m Telescopio Carlos Sánchez. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018, 5, 1.	1.8	37
87	A temperate rocky super-Earth transiting a nearby cool star. <i>Nature</i> , 2017, 544, 333-336.	27.8	275
88	Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS). <i>Astronomy and Astrophysics</i> , 2017, 602, A36.	5.1	89
89	New planetary systems from the Calanicut Hertfordshire Extrasolar Planet Search. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 443-473.	4.4	65
90	K2-114b and K2-115b: Two Transiting Warm Jupiters. <i>Astronomical Journal</i> , 2017, 154, 188.	4.7	36

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91	The HARPS search for southern extra-solar planets. <i>Astronomy and Astrophysics</i> , 2017, 605, L11.	5.1	49
92	A super-Earth orbiting the nearby M dwarf GJ536. <i>Astronomy and Astrophysics</i> , 2017, 597, A108.	5.1	20
93	The GTC exoplanet transit spectroscopy survey. <i>Astronomy and Astrophysics</i> , 2017, 605, A114.	5.1	10
94	The GTC exoplanet transit spectroscopy survey. <i>Astronomy and Astrophysics</i> , 2017, 600, A138.	5.1	33
95	The GTC exoplanet transit spectroscopy survey. <i>Astronomy and Astrophysics</i> , 2017, 600, L11.	5.1	42
96	Feature-rich transmission spectrum for WASP-127b. <i>Astronomy and Astrophysics</i> , 2017, 602, L15.	5.1	25
97	Characterization of the K2-18 multi-planetary system with HARPS. <i>Astronomy and Astrophysics</i> , 2017, 608, A35.	5.1	61
98	The HARPS search for southern extra-solar planets. <i>Astronomy and Astrophysics</i> , 2017, 602, A88.	5.1	104
99	Detection of sodium in the atmosphere of WASP-69b. <i>Astronomy and Astrophysics</i> , 2017, 608, A135.	5.1	67
100	The GTC exoplanet transit spectroscopy survey. <i>Astronomy and Astrophysics</i> , 2016, 585, A114.	5.1	28
101	The GTC exoplanet transit spectroscopy survey. <i>Astronomy and Astrophysics</i> , 2016, 594, A65.	5.1	30
102	The GTC exoplanet transit spectroscopy survey. <i>Astronomy and Astrophysics</i> , 2016, 589, A62.	5.1	6
103	Earth's albedo variations 1998–2014 as measured from ground-based earthshine observations. <i>Geophysical Research Letters</i> , 2016, 43, 4531-4538.	4.0	13
104	RULING OUT THE ORBITAL DECAY OF THE WASP-43B EXOPLANET. <i>Astronomical Journal</i> , 2016, 151, 137.	4.7	58
105	THE K2-ESPRINT PROJECT. I. DISCOVERY OF THE DISINTEGRATING ROCKY PLANET K2-22b WITH A COMETARY HEAD AND LEADING TAIL. <i>Astrophysical Journal</i> , 2015, 812, 112.	4.5	142
106	The GTC exoplanet transit spectroscopy survey. <i>Astronomy and Astrophysics</i> , 2014, 563, A41.	5.1	57
107	WTS-2 b: a hot Jupiter orbiting near its tidal destruction radius around a K dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 1470-1489.	4.4	63
108	Confirmation of an exoplanet using the transit color signature: Kepler-418b, a blended giant planet in a multiplanet system. <i>Astronomy and Astrophysics</i> , 2014, 567, A14.	5.1	14

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109	The VVV Templates Project Towards an automated classification of VVV light-curves. <i>Astronomy and Astrophysics</i> , 2014, 567, A100.	5.1	31
110	A HOT URANUS ORBITING THE SUPER METAL-RICH STAR HD 77338 AND THE METALLICITY-MASS CONNECTION. <i>Astrophysical Journal</i> , 2013, 766, 67.	4.5	56
111	A sensitivity analysis of the WFCAM Transit Survey for short-period giant planets around M dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 889-906.	4.4	11
112	TWO SUPER-EARTHS ORBITING THE SOLAR ANALOG HD 41248 ON THE EDGE OF A 7:5 MEAN MOTION RESONANCE. <i>Astrophysical Journal</i> , 2013, 771, 41.	4.5	46
113	Stellar activity as a tracer of moving groups. <i>Astronomy and Astrophysics</i> , 2013, 552, A27.	5.1	24
114	Narrow band H α photometry of the super-Earth GJ 1214b with GTC/OSIRIS tunable filters. <i>Astronomy and Astrophysics</i> , 2012, 544, A41.	5.1	27
115	Discovery and characterization of detached M dwarf eclipsing binaries in the WFCAM Transit Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 1507-1532.	4.4	52
116	The first planet detected in the WTS: an inflated hot Jupiter in a 3.35 d orbit around a late F star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 1877-1890.	4.4	42
117	Chromospheric activities and kinematics for solar type dwarfs and subgiants: analysis of the activity distribution and the AVR. <i>Astronomy and Astrophysics</i> , 2011, 531, A8.	5.1	92
118	Detection of transit timing variations in excess of one hour in the Kepler multi-planet candidate system KOI-806 with the GTC. <i>Astronomy and Astrophysics</i> , 2011, 536, L9.	5.1	11
119	Stellar activity analysis of Barnard's Star: Very slow rotation and evidence for long-term activity cycle. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	12
120	Masses and compositions of three small planets orbiting the nearby M dwarf L231-32 (TOI-270) and the M dwarf radius valley. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	41
121	A young spectroscopic binary in a quintuple system part of the Local Association. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	2