Felipe Murgas

List of Publications by Year
in descending order

121 papers	4,258 citations	101543 36 h-index	155660 55 g-index
123 all docs	123 docs citations	123 times ranked	2719 citing authors

#	Article	IF	Citations
1	A temperate rocky super-Earth transiting a nearby cool star. Nature, 2017, 544, 333-336.	27.8	275
2	THE K2-ESPRINT PROJECT. I. DISCOVERY OF THE DISINTEGRATING ROCKY PLANET K2-22b WITH A COMETARY HEAD AND LEADING TAIL. Astrophysical Journal, 2015, 812, 112.	4.5	142
3	A giant planet candidate transiting a white dwarf. Nature, 2020, 585, 363-367.	27.8	111
4	A candidate super-Earth planet orbiting near the snow line of Barnardâ€™s star. Nature, 2018, 563, 365-368.	27.8	109
5	The HARPS search for southern extra-solar planets. Astronomy and Astrophysics, 2017, 602, A88.	5.1	104
6	Planetary system around the nearby M dwarf GJ 357 including a transiting, hot, Earth-sized planet optimal for atmospheric characterization. Astronomy and Astrophysics, 2019, 628, A39.	5.1	97
7	Chromospheric activities and kinematics for solar type dwarfs and subgiants: analysis of the activity distribution and the AVR. Astronomy and Astrophysics, 2011, 531, A8.	5.1	92
8	A temperate exo-Earth around a quiet M dwarf at 3.4 parsec. Astronomy and Astrophysics, 2018, 613, A25.	5.1	92
9	Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS). Astronomy and Astrophysics, 2017, 602, A36.	5.1	89
10	Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS). Astronomy and Astrophysics, 2020, 641, A123.	5.1	88
11	A Second Terrestrial Planet Orbiting the Nearby M Dwarf LHS 1140. Astronomical Journal, 2019, 157, 32.	4.7	83
12	Revisiting Proxima with ESPRESSO. Astronomy and Astrophysics, 2020, 639, A77.	5.1	81
13	The GTC exoplanet transit spectroscopy survey. Astronomy and Astrophysics, 2018, 616, A145.	5.1	68
14	Detection of sodium in the atmosphere of WASP-69b. Astronomy and Astrophysics, 2017, 608, A135.	5.1	67
15	New planetary systems from the Calanâ€“Hertfordshire Extrasolar Planet Search. Monthly Notices of the Royal Astronomical Society, 2017, 466, 443-473.	4.4	65
16	Vetting of 384 TESS Objects of Interest with TRICERATOPS and Statistical Validation of 12 Planet Candidates. Astronomical Journal, 2021, 161, 24.	4.7	64
17	WTS-2 b: a hot Jupiter orbiting near its tidal destruction radius around a K dwarf. Monthly Notices of the Royal Astronomical Society, 2014, 440, 1470-1489.	4.4	63
18	Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS). Astronomy and Astrophysics, 2020, 635, A205.	5.1	63

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19	Characterization of the K2-18 multi-planetary system with HARPS. Astronomy and Astrophysics, 2017, 608, A35.	5.1	61
20	Three Red Suns in the Sky: A Transiting, Terrestrial Planet in a Triple M-dwarf System at 6.9 pc. Astronomical Journal, 2019, 158, 152.	4.7	59
21	RULING OUT THE ORBITAL DECAY OF THE WASP-43B EXOPLANET. Astronomical Journal, 2016, 151, 137.	4.7	58
22	The GTC exoplanet transit spectroscopy survey. Astronomy and Astrophysics, 2014, 563, A41.	5.1	57
23	A HOT URANUS ORBITING THE SUPER METAL-RICH STAR HD 77338 AND THE METALLICITY-MASS CONNECTION. Astrophysical Journal, 2013, 766, 67.	4.5	56
24	Radial velocity follow-up of GJ1132 with HARPS. Astronomy and Astrophysics, 2018, 618, A142.	5.1	54
25	Discovery and characterization of detached M dwarf eclipsing binaries in the WFCAM Transit Survey. Monthly Notices of the Royal Astronomical Society, 2012, 426, 1507-1532.	4.4	52
26	MASCARA-2 b. Astronomy and Astrophysics, 2018, 612, A57.	5.1	50
27	Optical phase curve of the ultra-hot Jupiter WASP-121b. Astronomy and Astrophysics, 2020, 637, A36.	5.1	50
28	The HARPS search for southern extra-solar planets. Astronomy and Astrophysics, 2017, 605, L11.	5.1	49
29	Characterization of the L 98-59 multi-planetary system with HARPS. Astronomy and Astrophysics, 2019, 629, A111.	5.1	49
30	The CARMENES search for exoplanets around M dwarfs. Astronomy and Astrophysics, 2020, 642, A173.	5.1	47
31	TWO SUPER-EARTHS ORBITING THE SOLAR ANALOG HD 41248 ON THE EDGE OF A 7:5 MEAN MOTION RESONANCE. Astrophysical Journal, 2013, 771, 41.	4.5	46
32	Radial velocity confirmation of K2-100b: a young, highly irradiated, and low-density transiting hot Neptune. Monthly Notices of the Royal Astronomical Society, 2019, 490, 698-708.	4.4	46
33	The first planet detected in the WTS: an inflated hot Jupiter in a 3.35â€‰d orbit around a late F star. Monthly Notices of the Royal Astronomical Society, 2012, 427, 1877-1890.	4.4	42
34	The GTC exoplanet transit spectroscopy survey. Astronomy and Astrophysics, 2017, 600, L11.	5.1	42
35	Multicolour photometry for exoplanet candidate validation. Astronomy and Astrophysics, 2019, 630, A89.	5.1	41
36	A nearby transiting rocky exoplanet that is suitable for atmospheric investigation. Science, 2021, 371, 1038-1041.	12.6	41

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37	Masses and compositions of three small planets orbiting the nearby M dwarf L231-32 (TOI-270) and the M dwarf radius valley. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	41
38	Rapid contraction of giant planets orbiting the 20-million-year-old star V1298 Tau. Nature Astronomy, 2022, 6, 232-240.	10.1	40
39	Confirmation of the radial velocity super-Earth K2-18c with HARPS and CARMENES. Astronomy and Astrophysics, 2019, 621, A49.	5.1	38
40	MuSCAT2: four-color simultaneous camera for the 1.52-m Telescopio Carlos SÃ¡nchez. Journal of Astronomical Telescopes, Instruments, and Systems, 2018, 5, 1.	1.8	37
41	K2-114b and K2-115b: Two Transiting Warm Jupiters. Astronomical Journal, 2017, 154, 188.	4.7	36
42	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. Astronomical Journal, 2019, 157, 97.	4.7	36
43	A hot terrestrial planet orbiting the bright M dwarf L 168-9 unveiled by TESS. Astronomy and Astrophysics, 2020, 636, A58.	5.1	35
44	Near-resonance in a System of Sub-Neptunes from TESS. Astronomical Journal, 2019, 158, 177.	4.7	34
45	The GTC exoplanet transit spectroscopy survey. Astronomy and Astrophysics, 2017, 600, A138.	5.1	33
46	Precise mass and radius of a transiting super-Earth planet orbiting the M dwarf TOI-1235: a planet in the radius gap?. Astronomy and Astrophysics, 2020, 639, A132.	5.1	33
47	A tentative detection of Heâ€¯I in the atmosphere of GJ 1214 b. Astronomy and Astrophysics, 2022, 659, A55.	5.1	32
48	The VVV Templates Project Towards an automated classification of VVV light-curves. Astronomy and Astrophysics, 2014, 567, A100.	5.1	31
49	The GTC exoplanet transit spectroscopy survey. Astronomy and Astrophysics, 2016, 594, A65.	5.1	30
50	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
51	TIC 172900988: A Transiting Circumbinary Planet Detected in One Sector of TESS Data. Astronomical Journal, 2021, 162, 234.	4.7	30
52	GJ 367b: A dense, ultrashort-period sub-Earth planet transiting a nearby red dwarf star. Science, 2021, 374, 1271-1275.	12.6	30
53	Eyes on K2-3: A system of three likely sub-Neptunes characterized with HARPS-N and HARPS. Astronomy and Astrophysics, 2018, 615, A69.	5.1	29
54	TOI-503: The First Known Brown-dwarf Am-star Binary from the TESS Mission*. Astronomical Journal, 2020, 159, 151.	4.7	29

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55	The GTC exoplanet transit spectroscopy survey. Astronomy and Astrophysics, 2016, 585, A114.	5.1	28
56	MuSCAT2 multicolour validation of TESS candidates: an ultra-short-period substellar object around an M dwarf. Astronomy and Astrophysics, 2020, 633, A28.	5.1	28
57	Mass determinations of the three mini-Neptunes transiting TOI-125. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5399-5412.	4.4	28
58	Narrow band HÎ±photometry of the super-Earth GJ 1214b with GTC/OSIRIS tunable filters. Astronomy and Astrophysics, 2012, 544, A41.	5.1	27
59	Discovery of a hot, transiting, Earth-sized planet and a second temperate, non-transiting planet around the M4 dwarf GJ 3473 (TOI-488). Astronomy and Astrophysics, 2020, 642, A236.	5.1	27
60	An ultra-short-period transiting super-Earth orbiting the M3 dwarf TOI-1685. Astronomy and Astrophysics, 2021, 650, A78.	5.1	27
61	The CARMENES search for exoplanets around M dwarfs. Astronomy and Astrophysics, 2020, 644, A127.	5.1	27
62	Feature-rich transmission spectrum for WASP-127b. Astronomy and Astrophysics, 2017, 602, L15.	5.1	25
63	TOI-2076 and TOI-1807: Two Young, Comoving Planetary Systems within 50 pc Identified by TESS that are Ideal Candidates for Further Follow Up. Astronomical Journal, 2021, 162, 54.	4.7	25
64	TOI-1634 b: An Ultra-short-period Keystone Planet Sitting inside the M-dwarf Radius Valley. Astronomical Journal, 2021, 162, 79.	4.7	25
65	Stellar activity as a tracer of moving groups. Astronomy and Astrophysics, 2013, 552, A27.	5.1	24
66	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
67	TOI-674b: An oasis in the desert of exo-Neptunes transiting a nearby M dwarf. Astronomy and Astrophysics, 2021, 653, A60.	5.1	23
68	A Second Planet Transiting LTT 1445A and a Determination of the Masses of Both Worlds. Astronomical Journal, 2022, 163, 168.	4.7	23
69	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
70	TOI-216b and TOI-216 c: Two Warm, Large Exoplanets in or Slightly Wide of the 2:1 Orbital Resonance. Astronomical Journal, 2019, 158, 65.	4.7	22
71	Mass determination of the 1:3:5 near-resonant planets transiting GJ 9827 (K2-135). Astronomy and Astrophysics, 2018, 618, A116.	5.1	21
72	Proxima Centauri b is not a transiting exoplanet. Monthly Notices of the Royal Astronomical Society, 2019, 487, 268-274.	4.4	21

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73	TOI-2109: An Ultrahot Gas Giant on a 16 hr Orbit. Astronomical Journal, 2021, 162, 256.	4.7	21
74	A super-Earth orbiting the nearby M dwarf GJâ€‰536. Astronomy and Astrophysics, 2017, 597, A108.	5.1	20
75	Two Bright M Dwarfs Hosting Ultra-Short-Period Super-Earths with Earth-like Compositions*. Astronomical Journal, 2021, 162, 161.	4.7	20
76	Greening of the brown-dwarf desert. Astronomy and Astrophysics, 2019, 628, A64.	5.1	19
77	TOI-132â€‰b: A short-period planet in the Neptune desert transiting a VÂ= 11.3ÂG-type starâ˜…. Monthly Notices of the Royal Astronomical Society, 2020, 493, 973-985.	4.4	19
78	TIC 454140642: A Compact, Coplanar, Quadruple-lined Quadruple Star System Consisting of Two Eclipsing Binaries. Astrophysical Journal, 2021, 917, 93.	4.5	19
79	Kojima-1Lb Is a Mildly Cold Neptune around the Brightest Microlensing Host Star. Astronomical Journal, 2019, 158, 206.	4.7	18
80	TOI-519 b: A short-period substellar object around an M dwarf validated using multicolour photometry and phase curve analysis. Astronomy and Astrophysics, 2021, 645, A16.	5.1	18
81	TOI-269 b: an eccentric sub-Neptune transiting a M2 dwarf revisited with ExTrA. Astronomy and Astrophysics, 2021, 650, A145.	5.1	17
82	The GTC exoplanet transit spectroscopy survey. Astronomy and Astrophysics, 2020, 641, A158.	5.1	16
83	The TESS-Keck Survey: [*] Science Goals and Target Selection. Astronomical Journal, 2022, 163, 297.	4.7	16
84	Detection of Na in WASP-21bâ€™s lower and upper atmosphere. Astronomy and Astrophysics, 2020, 642, A54.	5.1	15
85	An enhanced slope in the transmission spectrum of the hot Jupiter WASP-104b. Monthly Notices of the Royal Astronomical Society, 2020, 500, 5420-5435.	4.4	15
86	A Possible Alignment Between the Orbits of Planetary Systems and their Visual Binary Companions. Astronomical Journal, 2022, 163, 207.	4.7	15
87	It Takes Two Planets in Resonance to Tango around K2-146. Astronomical Journal, 2020, 159, 120.	4.7	14
88	Confirmation of an exoplanet using the transit color signature: Kepler-418b, a blended giant planet in a multiplanet system. Astronomy and Astrophysics, 2014, 567, A14.	5.1	14
89	Obliquity measurement and atmospheric characterisation of the WASP-74 planetary system. Astronomy and Astrophysics, 2020, 642, A50.	5.1	14
90	Earth's albedo variations 1998â€“2014 as measured from groundâ€based earthshine observations. Geophysical Research Letters, 2016, 43, 4531-4538.	4.0	13

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91	The GTC exoplanet transit spectroscopy survey. Astronomy and Astrophysics, 2018, 609, A33.	5.1	13
92	Detection and Doppler monitoring of K2-285 (EPIC 246471491), a system of four transiting planets smaller than Neptune. Astronomy and Astrophysics, 2019, 623, A41.	5.1	13
93	Stellar activity analysis of Barnardâ€™s Star: Very slow rotation and evidence for long-term activity cycle. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	12
94	The GTC exoplanet transit spectroscopy survey. Astronomy and Astrophysics, 2019, 622, A172.	5.1	12
95	ESPRESSO mass determination of TOI-263b: an extreme inhabitant of the brown dwarf desert. Astronomy and Astrophysics, 2021, 650, A55.	5.1	12
96	Detection of transit timing variations in excess of one hour in theKeplermulti-planet candidate system KOIÂ806 with the GTC. Astronomy and Astrophysics, 2011, 536, L9.	5.1	11
97	A sensitivity analysis of the WFCAM Transit Survey for short-period giant planets around M dwarfs. Monthly Notices of the Royal Astronomical Society, 2013, 433, 889-906.	4.4	11
98	Evidence for TiO in the Atmosphere of the Hot Jupiter HAT-P-65 b. Astrophysical Journal Letters, 2021, 913, L16.	8.3	11
99	TOI 564 b and TOI 905 b: Grazing and Fully Transiting Hot Jupiters Discovered by TESS. Astronomical Journal, 2020, 160, 229.	4.7	11
100	Is the orbit of the exoplanet WASP-43b really decaying? TESS and MuSCAT2 observations confirm no detection. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5514-5523.	4.4	11
101	NEID Rossiterâ€“McLaughlin Measurement of TOI-1268b: A Young Warm Saturn Aligned with Its Cool Host Star. Astrophysical Journal Letters, 2022, 926, L7.	8.3	11
102	TOI-1431b/MASCARA-5b: A Highly Irradiated Ultrahot Jupiter Orbiting One of the Hottest and Brightest Known Exoplanet Host Stars. Astronomical Journal, 2021, 162, 292.	4.7	11
103	The GTC exoplanet transit spectroscopy survey. Astronomy and Astrophysics, 2017, 605, A114.	5.1	10
104	Three planets transiting the evolved star EPIC 249893012: a hot 8.8-M_{âŠ•} super-Earth and two warm 14.7 and 10.2-M_{âŠ•} sub-Neptunes. Astronomy and Astrophysics, 2020, 636, A89.	5.1	9
105	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
106	MASCARA-3b. Astronomy and Astrophysics, 2019, 631, A76.	5.1	8
107	Validation of 13 Hot and Potentially Terrestrial TESS Planets. Astronomical Journal, 2022, 163, 99.	4.7	8
108	A Large Ground-based Observing Campaign of the Disintegrating Planet K2-22b. Astronomical Journal, 2018, 156, 227.	4.7	7

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109	The GTC exoplanet transit spectroscopy survey. Astronomy and Astrophysics, 2016, 589, A62.	5.1	6
110	TOI-1749: an M dwarf with a Trio of Planets including a Near-resonant Pair. Astronomical Journal, 2021, 162, 167.	4.7	6
111	Evidence for stellar contamination in the transmission spectra of HAT-P-12b. Astronomy and Astrophysics, 2021, 656, A114.	5.1	6
112	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
113	TOI-1696: A Nearby M4 Dwarf with a 3 R _{âŠ•} Planet in the Neptunian Desert. Astronomical Journal, 2022, 163, 298.	4.7	6
114	Qatar Exoplanet Survey: Qatar-8b, 9b, and 10bâ€”A Hot Saturn and Two Hot Jupiters. Astronomical Journal, 2019, 157, 224.	4.7	5
115	Identification and Mitigation of a Vibrational Telescope Systematic with Application to Spitzer. Planetary Science Journal, 2021, 2, 9.	3.6	5
116	Simultaneous photometric and CARMENES spectroscopic monitoring of fast-rotating M dwarf GJ 3270. Astronomy and Astrophysics, 2021, 651, A105.	5.1	5
117	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
118	A Close-in Puffy Neptune with Hidden Friends: The Enigma of TOI 620. Astronomical Journal, 2022, 163, 269.	4.7	4
119	Qatar Exoplanet Survey: Qatar-7bâ€”A Very Hot Jupiter Orbiting a Metal-rich F-Star. Astronomical Journal, 2019, 157, 74.	4.7	2
120	K2-280â€‰b â€“ a low density warm sub-Saturn around a mildly evolved star. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4423-4435.	4.4	2
121	A young spectroscopic binary in a quintuple system part of the Local Association. Astronomy and Astrophysics, 0, , .	5.1	2