

# MarÃ-a Rosa Zapatero Osorio

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/317766/publications.pdf>

Version: 2024-02-01

229  
papers

10,347  
citations

25031

57  
h-index

46795

89  
g-index

232  
all docs

232  
docs citations

232  
times ranked

4232  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic Classification of Late-M and L Field Dwarfs. <i>Astronomical Journal</i> , 1999, 118, 2466-2482.	4.7	379
2	Discovery of Young, Isolated Planetary Mass Objects in the sigma Orionis Star Cluster. <i>Science</i> , 2000, 290, 103-107.	12.6	293
3	Discovery of a brown dwarf in the Pleiades star cluster. <i>Nature</i> , 1995, 377, 129-131.	27.8	276
4	ESPRESSO at VLT. <i>Astronomy and Astrophysics</i> , 2021, 645, A96.	5.1	221
5	Eclipses by circumstellar material in the TÂTauri star AA Tau. <i>Astronomy and Astrophysics</i> , 2003, 409, 169-192.	5.1	182
6	Nightside condensation of iron in an ultrahot giant exoplanet. <i>Nature</i> , 2020, 580, 597-601.	27.8	178
7	Ground-based detection of an extended helium atmosphere in the Saturn-mass exoplanet WASP-69b. <i>Science</i> , 2018, 362, 1388-1391.	12.6	174
8	A Search for Very Low Mass Stars and Brown Dwarfs in the Young Îf Orionis Cluster. <i>Astrophysical Journal</i> , 1999, 521, 671-681.	4.5	174
9	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 612, A49.	5.1	173
10	Spectroscopy of New Substellar Candidates in the Pleiades: Toward a Spectral Sequence for Young Brown Dwarfs. <i>Astrophysical Journal</i> , 1996, 469, 706.	4.5	173
11	Brown Dwarfs in the Pleiades Cluster Confirmed by the Lithium Test. <i>Astrophysical Journal</i> , 1996, 469, L53-L56.	4.5	171
12	The Substellar Mass Function in Îf Orionis. <i>Astrophysical Journal</i> , 2001, 556, 830-836.	4.5	157
13	Lithium and HÎ± in stars and brown dwarfs of Îf Orionis. <i>Astronomy and Astrophysics</i> , 2002, 384, 937-953.	5.1	155
14	Earthâ€™s transmission spectrum from lunar eclipse observations. <i>Nature</i> , 2009, 459, 814-816.	27.8	144
15	DISCOVERY OF A YOUNG PLANETARY MASS COMPANION TO THE NEARBY M DWARF VHS J125601.92-125723.9. <i>Astrophysical Journal</i> , 2015, 804, 96.	4.5	136
16	CARMENES instrument overview. <i>Proceedings of SPIE</i> , 2014, , .	0.8	132
17	Discovery of a Low-Mass Brown Dwarf Companion of the Young Nearby Star G 196-3&nbsp;, , 1998, 282, 1309-1312.		128
18	Membership and Multiplicity among Very Low Mass Stars and Brown Dwarfs in the Pleiades Cluster. <i>Astrophysical Journal</i> , 2000, 543, 299-312.	4.5	128

#	ARTICLE	IF	CITATIONS
19	Optical and infrared photometry of the Type II <sup>n</sup> SN 1998S: days 11-146. Monthly Notices of the Royal Astronomical Society, 2000, 318, 1093-1104.	4.4	127
20	ESPRESSO: the Echelle spectrograph for rocky exoplanets and stable spectroscopic observations. Proceedings of SPIE, 2010, , .	0.8	126
21	The CARMENES search for exoplanets around M dwarfs. Astronomy and Astrophysics, 2019, 625, A68.	5.1	123
22	Detection of He I $\lambda$ 10830 absorption on HD 189733 b with CARMENES high-resolution transmission spectroscopy. Astronomy and Astrophysics, 2018, 620, A97.	5.1	120
23	Atmospheric characterization of the ultra-hot Jupiter MASCARA-2b/KELT-20b. Astronomy and Astrophysics, 2019, 628, A9.	5.1	117
24	NEW ISOLATED PLANETARY-MASS OBJECTS AND THE STELLAR AND SUBSTELLAR MASS FUNCTION OF THE $\beta$ ORIONIS CLUSTER. Astrophysical Journal, 2012, 754, 30.	4.5	116
25	Exploring the substellar temperature regime down to $\sim 4550$ K. Monthly Notices of the Royal Astronomical Society, 2008, 391, 320-333.	4.4	112
26	The substellar mass function in $\beta$ Orionis. Astronomy and Astrophysics, 2007, 470, 903-918.	5.1	108
27	A Methane, Isolated, Planetary-Mass Object in Orion. Astrophysical Journal, 2002, 578, 536-542.	4.5	108
28	ExELS: an exoplanet legacy science proposal for the ESA Euclid mission. I. Cold exoplanets. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2-22.	4.4	107
29	Discovery of a Wide Companion near the Deuterium-burning Mass Limit in the Upper Scorpius Association. Astrophysical Journal, 2008, 673, L185-L189.	4.5	106
30	The CARMENES search for exoplanets around M dwarfs. Astronomy and Astrophysics, 2018, 609, A117.	5.1	103
31	GLANCING VIEWS OF THE EARTH: FROM A LUNAR ECLIPSE TO AN EXOPLANETARY TRANSIT. Astrophysical Journal, 2012, 755, 103.	4.5	99
32	EChO. Experimental Astronomy, 2012, 34, 311-353.	3.7	98
33	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
34	Decay of the GRB 990123 &nbsp;Optical Afterglow: Implications for the Fireball Model. Science, 1999, 283, 2069-2073.	12.6	95
35	The CARMENES search for exoplanets around M dwarfs. Astronomy and Astrophysics, 2019, 627, A49.	5.1	95
36	CARMENES input catalogue of M dwarfs. Astronomy and Astrophysics, 2020, 642, A115.	5.1	93

#	ARTICLE	IF	CITATIONS
37	Dynamical Masses of the Binary Brown Dwarf GJ 569 Bab. <i>Astrophysical Journal</i> , 2004, 615, 958-971.	4.5	87
38	Spectroscopic Rotational Velocities of Brown Dwarfs. <i>Astrophysical Journal</i> , 2006, 647, 1405-1412.	4.5	85
39	The Orbit of the Brown Dwarf Binary Gliese 569B. <i>Astrophysical Journal</i> , 2001, 560, 390-399.	4.5	84
40	Keck NIRC Observations of Planetary-Mass Candidate Members in the $\rho$ Orionis Open Cluster. <i>Astrophysical Journal</i> , 2001, 558, L117-L121.	4.5	83
41	The extraordinarily bright optical afterglow of GRB 991208 and its host galaxy. <i>Astronomy and Astrophysics</i> , 2001, 370, 398-406.	5.1	81
42	He I $\lambda$ 10830 Å in the transmission spectrum of HD209458 b. <i>Astronomy and Astrophysics</i> , 2019, 629, A110.	5.1	81
43	Revisiting Proxima with ESPRESSO. <i>Astronomy and Astrophysics</i> , 2020, 639, A77.	5.1	81
44	Fifteen new T dwarfs discovered in the UKIDSS Large Area Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 390, 304-322.	4.4	80
45	A giant exoplanet orbiting a very-low-mass star challenges planet formation models. <i>Science</i> , 2019, 365, 1441-1445.	12.6	78
46	Atmospheric Rossiter-McLaughlin effect and transmission spectroscopy of WASP-121b with ESPRESSO. <i>Astronomy and Astrophysics</i> , 2021, 645, A24.	5.1	75
47	Eight new T4.5-T7.5 dwarfs discovered in the UKIDSS Large Area Survey Data Release 1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 379, 1423-1430.	4.4	71
48	The First L-Type Brown Dwarf in the Pleiades. <i>Astrophysical Journal</i> , 1998, 507, L41-L44.	4.5	69
49	An early-time infrared and optical study of the Type Ia Supernova 1998bu in M96. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 319, 223-234.	4.4	66
50	A He I upper atmosphere around the warm Neptune GJ 3470 b. <i>Astronomy and Astrophysics</i> , 2020, 638, A61.	5.1	65
51	Optical spectroscopy of isolated planetary mass objects in the $\sigma$ Orionis cluster. <i>Astronomy and Astrophysics</i> , 2001, 377, L9-L13.	5.1	64
52	Photometric Variability in the Ultracool Dwarf BRI 0021 $\alpha$ 0214: Possible Evidence for Dust Clouds. <i>Astrophysical Journal</i> , 2001, 557, 822-830.	4.5	64
53	A New Pleiades Member at the Lithium Substellar Boundary. <i>Astrophysical Journal</i> , 1998, 499, L61-L64.	4.5	63
54	New Brown Dwarfs in the Pleiades Cluster. <i>Astrophysical Journal</i> , 1997, 491, L81-L84.	4.5	62

#	ARTICLE	IF	CITATIONS
55	Space Velocities of L and T Type Dwarfs. <i>Astrophysical Journal</i> , 2007, 666, 1205-1218.	4.5	62
56	ESPRESSO high-resolution transmission spectroscopy of WASP-76 b. <i>Astronomy and Astrophysics</i> , 2021, 646, A158.	5.1	62
57	47 new T dwarfs from the UKIDSS Large Area Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , no-no.	4.4	59
58	CARMENES: an overview six months after first light. <i>Proceedings of SPIE</i> , 2016, , .	0.8	59
59	Candidate free-floating super-Jupiters in the young $\rho$ Orionis open cluster. <i>Astronomy and Astrophysics</i> , 2009, 506, 1169-1182.	5.1	58
60	The GTC exoplanet transit spectroscopy survey. <i>Astronomy and Astrophysics</i> , 2014, 563, A41.	5.1	57
61	Multiple water band detections in the CARMENES near-infrared transmission spectrum of HD 189733 b. <i>Astronomy and Astrophysics</i> , 2019, 621, A74.	5.1	57
62	A Multiwavelength Radial Velocity Search for Planets around the Brown Dwarf LP 944-20. <i>Astrophysical Journal</i> , 2006, 644, L75-L78.	4.5	56
63	The science of ARIEL (Atmospheric Remote-sensing Infrared Exoplanet Large-survey). <i>Proceedings of SPIE</i> , 2016, , .	0.8	56
64	The $\rho$ Orionis substellar population. <i>Astronomy and Astrophysics</i> , 2003, 404, 171-185.	5.1	55
65	Photometric variability of young brown dwarfs in the $\sigma$ Orionis open cluster. <i>Astronomy and Astrophysics</i> , 2004, 424, 857-872.	5.1	55
66	SPACE: the spectroscopic all-sky cosmic explorer. <i>Experimental Astronomy</i> , 2009, 23, 39-66.	3.7	54
67	A census of very-low-mass stars and brown dwarfs in the $\rho$ Orionis cluster. <i>Astronomy and Astrophysics</i> , 2009, 505, 1115-1127.	5.1	54
68	Spectroscopic Estimate of Surface Gravity for a Planetary Member in the Orionis Cluster. <i>Astrophysical Journal</i> , 2003, 593, L113-L116.	4.5	52
69	Optical Linear Polarization of Late M and L Type Dwarfs. <i>Astrophysical Journal</i> , 2005, 621, 445-460.	4.5	51
70	Near-infrared low-resolution spectroscopy of Pleiades L-type brown dwarfs. <i>Astronomy and Astrophysics</i> , 2010, 519, A93.	5.1	50
71	Trigonometric parallaxes of young field L dwarfs. <i>Astronomy and Astrophysics</i> , 2014, 568, A6.	5.1	49
72	The Lithium Test in Young Brown Dwarf Candidates. <i>Astronomical Journal</i> , 1999, 118, 1005-1014.	4.7	49

#	ARTICLE	IF	CITATIONS
73	Multiplicity of very low-mass objects in the Upper Scorpius OB association: a possible wide binary population. <i>Astronomy and Astrophysics</i> , 2006, 451, 177-186.	5.1	47
74	CARMENES: Calar Alto high-resolution search for M dwarfs with exo-earths with a near-infrared Echelle spectrograph. <i>Proceedings of SPIE</i> , 2010, , .	0.8	47
75	Is there Na I in the atmosphere of HD 209458b?. <i>Astronomy and Astrophysics</i> , 2020, 635, A206.	5.1	47
76	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 609, L5.	5.1	46
77	Optical and Near-infrared Spectra of $\beta$ Orionis Isolated Planetary-mass Objects. <i>Astrophysical Journal</i> , 2017, 842, 65.	4.5	45
78	Water vapor detection in the transmission spectra of HD 209458 b with the CARMENES NIR channel. <i>Astronomy and Astrophysics</i> , 2019, 630, A53.	5.1	45
79	Polarimetric Constraints on the Optical Afterglow Emission from GRB 990123. <i>Science</i> , 1999, 283, 2073-2075.	12.6	44
80	The discovery of a very cool binary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , .	4.4	44
81	CHARACTERIZING THE ATMOSPHERES OF TRANSITING ROCKY PLANETS AROUND LATE-TYPE DWARFS. <i>Astrophysical Journal</i> , 2011, 728, 19.	4.5	44
82	An L-Type Substellar Object in Orion: Reaching the Mass Boundary between Brown Dwarfs and Giant Planets. <i>Astrophysical Journal</i> , 1999, 524, L115-L118.	4.5	44
83	CARMENES. I: instrument and survey overview. <i>Proceedings of SPIE</i> , 2012, , .	0.8	43
84	Brown dwarfs in the Pleiades cluster. <i>Astronomy and Astrophysics</i> , 1999, 134, 537-543.	2.1	43
85	A candidate short-period sub-Earth orbiting Proxima Centauri. <i>Astronomy and Astrophysics</i> , 2022, 658, A115.	5.1	43
86	The Monitor project: JW 380 a 0.26-, 0.15-M $\dot{S}$ ™, pre-main-sequence eclipsing binary in the Orion nebula cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 380, 541-550.	4.4	42
87	Spectroscopic Limits on the Distance and Energy Release of GRB 990123. <i>Science</i> , 1999, 283, 2075-2077.	12.6	41
88	The atmosphere of HD 209458b seen with ESPRESSO. <i>Astronomy and Astrophysics</i> , 2021, 647, A26.	5.1	41
89	Discovery of a very cool object with extraordinarily strong H $\alpha$ emission. <i>Astronomy and Astrophysics</i> , 2002, 393, L85-L88.	5.1	41
90	A search for substellar members in the Praesepe and $\sigma$ Orionis clusters. <i>Astronomy and Astrophysics</i> , 2006, 460, 799-810.	5.1	40

#	ARTICLE	IF	CITATIONS
91	Rapid contraction of giant planets orbiting the 20-million-year-old star V1298 Tau. <i>Nature Astronomy</i> , 2022, 6, 232-240.	10.1	40
92	The optical + infrared L dwarf spectral sequence of young planetary-mass objects in the Upper Scorpius association. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 2020-2059.	4.4	38
93	Catalog for the ESPRESSO blind radial velocity exoplanet survey. <i>Astronomy and Astrophysics</i> , 2019, 629, A80.	5.1	38
94	CARMENES: high-resolution spectra and precise radial velocities in the red and infrared. , 2018, , .		37
95	Activity at the Deuterium-burning Mass Limit in Orion. <i>Astrophysical Journal</i> , 2002, 569, L99-L102.	4.5	36
96	THE SUBSTELLAR POPULATION OF $\beta$ ORIONIS: A DEEP WIDE SURVEY. <i>Astrophysical Journal</i> , 2011, 743, 64.	4.5	36
97	Search for free-floating planetary-mass objects in the Pleiades. <i>Astronomy and Astrophysics</i> , 2014, 568, A77.	5.1	36
98	WASP-127b: a misaligned planet with a partly cloudy atmosphere and tenuous sodium signature seen by ESPRESSO. <i>Astronomy and Astrophysics</i> , 2020, 644, A155.	5.1	36
99	INTERMEDIATE RESOLUTION NEAR-INFRARED SPECTROSCOPY OF 36 LATE M DWARFS. <i>Astronomical Journal</i> , 2012, 144, 99.	4.7	35
100	A CCD imaging search for wide metal-poor binaries. <i>Astronomy and Astrophysics</i> , 2004, 419, 167-180.	5.1	35
101	Into the storm: diving into the winds of the ultra-hot Jupiter WASP-76 b with HARPS and ESPRESSO. <i>Astronomy and Astrophysics</i> , 2021, 653, A73.	5.1	34
102	Chemical abundances of late-type pre-main sequence stars in the $\beta$ Orionis cluster. <i>Astronomy and Astrophysics</i> , 2008, 490, 1135-1142.	5.1	34
103	The Optical/IR Counterpart of the 1998 July 3 Gamma-Ray Burst and Its Evolution. <i>Astrophysical Journal</i> , 1999, 511, L85-L88.	4.5	33
104	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
105	ExELS: an exoplanet legacy science proposal for the ESA Euclid mission - II. Hot exoplanets and sub-stellar systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 4137-4154.	4.4	32
106	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 643, A112.	5.1	31
107	Photometric variability of a young, low-mass brown dwarf. <i>Astronomy and Astrophysics</i> , 2003, 408, 663-673.	5.1	31
108	Discs of planetary-mass objects in $\beta$ Orionis. <i>Astronomy and Astrophysics</i> , 2007, 472, L9-L12.	5.1	30

#	ARTICLE	IF	CITATIONS
109	Two T dwarfs from the UKIDSS early data release. <i>Astronomy and Astrophysics</i> , 2007, 466, 1059-1064.	5.1	30
110	New constraints on the membership of the T dwarf S Ori 70 in the $\epsilon$ Orionis cluster. <i>Astronomy and Astrophysics</i> , 2008, 477, 895-900.	5.1	30
111	Discovery of a Very Low Mass Binary with the [ITAL]Hubble Space Telescope[/ITAL]Near-Infrared Camera and Multiobject Spectrometer. <i>Astrophysical Journal</i> , 1998, 509, L113-L116.	4.5	29
112	New ultracool subdwarfs identified in large-scale surveys using Virtual Observatory tools. <i>Astronomy and Astrophysics</i> , 2012, 542, A105.	5.1	29
113	Simultaneous optical and near-infrared linear spectropolarimetry of the earthshine. <i>Astronomy and Astrophysics</i> , 2014, 562, L5.	5.1	29
114	H $\alpha$ and He I absorption in HAT-P-32 b observed with CARMENES. <i>Astronomy and Astrophysics</i> , 2022, 657, A6.	5.1	29
115	Physical parameters of T dwarfs derived from high-resolution near-infrared spectra. <i>Astronomy and Astrophysics</i> , 2009, 501, 1059-1071.	5.1	27
116	GTC/OSIRIS SPECTROSCOPIC IDENTIFICATION OF A FAINT L SUBDWARF IN THE UKIRT INFRARED DEEP SKY SURVEY. <i>Astrophysical Journal Letters</i> , 2010, 708, L107-L111.	8.3	27
117	NEAR-INFRARED LINEAR POLARIZATION OF ULTRACOOOL DWARFS. <i>Astrophysical Journal</i> , 2011, 740, 4.	4.5	27
118	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 644, A127.	5.1	27
119	S $\epsilon$ Ori J053825.4-024241: a classical T Tauri-like object at the substellar boundary. <i>Astronomy and Astrophysics</i> , 2006, 445, 143-153.	5.1	26
120	Lithium in LP $\epsilon$ 944-20.... <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 380, 1285-1296.	4.4	25
121	Search and characterization of T-type planetary mass candidates in the $\epsilon$ Orionis cluster. <i>Astronomy and Astrophysics</i> , 2011, 532, A42.	5.1	25
122	Linear polarization of rapidly rotating ultracool dwarfs. <i>Astronomy and Astrophysics</i> , 2013, 556, A125.	5.1	25
123	The rotation period of a very low-mass star in $\hat{\epsilon}$ Persei. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 286, L17-L20.	4.4	24
124	The Rossiter-McLaughlin effect revolutions: an ultra-short period planet and a warm mini-Neptune on perpendicular orbits. <i>Astronomy and Astrophysics</i> , 2021, 654, A152.	5.1	23
125	Polarisation of very-low-mass stars and brown dwarfs. <i>Astronomy and Astrophysics</i> , 2009, 502, 929-936.	5.1	23
126	INFRARED AND KINEMATIC PROPERTIES OF THE SUBSTELLAR OBJECT G 196-3 B. <i>Astrophysical Journal</i> , 2010, 715, 1408-1418.	4.5	22



#	ARTICLE	IF	CITATIONS
127	New ultracool subdwarfs identified in large-scale surveys using Virtual Observatory tools. <i>Astronomy and Astrophysics</i> , 2017, 598, A92.	5.1	22
128	Primeval very low-mass stars and brown dwarfs – IV. New L subdwarfs, Gaia astrometry, population properties, and a blue brown dwarf binary. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 5447-5474.	4.4	22
129	A sub-Neptune and a non-transiting Neptune-mass companion unveiled by ESPRESSO around the bright late-F dwarf HD 5278 (TOI-130). <i>Astronomy and Astrophysics</i> , 2021, 648, A75.	5.1	22
130	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
131	A Brown Dwarf Candidate in the Praesepe Open Cluster. <i>Astrophysical Journal</i> , 1998, 497, L47-L50.	4.5	22
132	Lucky Imaging of M subdwarfs. <i>Astronomy and Astrophysics</i> , 2009, 499, 729-736.	5.1	21
133	Spectroscopic follow-up of L- and T-type proper-motion member candidates in the Pleiades. <i>Astronomy and Astrophysics</i> , 2014, 572, A67.	5.1	20
134	A new free-floating planet in the Upper Scorpius association. <i>Astronomy and Astrophysics</i> , 2016, 586, A157.	5.1	20
135	Optical linear polarization in ultra cool dwarfs. <i>Astronomy and Astrophysics</i> , 2009, 508, 1423-1427.	5.1	20
136	Observation of enhanced X-ray emission from the CTTS AA Tauri during one transit of an accretion funnel flow. <i>Astronomy and Astrophysics</i> , 2007, 475, 607-617.	5.1	20
137	VLT X-Shooter spectroscopy of the nearest brown dwarf binary. <i>Astronomy and Astrophysics</i> , 2015, 581, A73.	5.1	19
138	Follow-up observations of binary ultra-cool dwarfs. <i>Astronomy and Astrophysics</i> , 2008, 481, 757-767.	5.1	19
139	Detection of iron emission lines and a temperature inversion on the dayside of the ultra-hot Jupiter KELT-20b. <i>Astronomy and Astrophysics</i> , 2022, 659, A7.	5.1	19
140	Gliese 49: activity evolution and detection of a super-Earth. <i>Astronomy and Astrophysics</i> , 2019, 624, A123.	5.1	18
141	Optical and infrared photometry of new very low-mass stars and brown dwarfs in the $\rho$ Orionis cluster. <i>Astronomische Nachrichten</i> , 2004, 325, 705-713.	1.2	16
142	Parallax of the L4.5 dwarf 2M1821+14 from high-precision astrometry with OSIRIS at GTC. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 357-369.	4.4	16
143	Spectral energy distribution simulations of a possible ring structure around the young, red brown dwarf GÄ196-3ÄB. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 1108-1118.	4.4	16
144	Rotation periods and photometric variability of rapidly rotating ultracool dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 2297-2314.	4.4	16

#	ARTICLE	IF	CITATIONS
145	The impact of the Kasatochi eruption on the Moon's illumination during the August 2008 lunar eclipse. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	15
146	Rotational modulation of the linear polarimetric variability of the cool dwarf TVLM 513 <sup>46546</sup> . <i>Astronomy and Astrophysics</i> , 2015, 580, L12.	5.1	15
147	Infrared radial velocities of $\nu$ B 10. <i>Astronomy and Astrophysics</i> , 2009, 505, L5-L8.	5.1	15
148	Search for radial velocity variations in eight M-dwarfs with NIRSPEC/Keck II. <i>Astronomy and Astrophysics</i> , 2012, 538, A141.	5.1	15
149	Binarity at the L/T brown dwarf transition. <i>Astronomy and Astrophysics</i> , 2008, 490, 763-768.	5.1	15
150	Characterization of the known T-type dwarfs towards the $\epsilon$ Orionis cluster. <i>Astronomy and Astrophysics</i> , 2015, 574, A118.	5.1	14
151	The Substellar Population in the Young $\epsilon$ Orionis Cluster, Spatial Distribution. <i>Astrophysics and Space Science</i> , 2004, 292, 339-346.	1.4	13
152	ESPRESSO: the ultimate rocky exoplanets hunter for the VLT. <i>Proceedings of SPIE</i> , 2012, , .	0.8	13
153	Near-infrared photometry of WISE J085510.74 <sup>071442.5</sup> . <i>Astronomy and Astrophysics</i> , 2016, 592, A80.	5.1	13
154	Hunting for brown dwarf binaries and testing atmospheric models with X-Shooter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 1341-1363.	4.4	13
155	Optical and near-infrared linear polarization of low and intermediate-gravity ultracool dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 3184-3198.	4.4	13
156	Discriminating between hazy and clear hot-Jupiter atmospheres with CARMENES. <i>Astronomy and Astrophysics</i> , 2020, 643, A24.	5.1	13
157	Broadband transmission spectroscopy of HD 209458b with ESPRESSO: evidence for Na, TiO, or both. <i>Astronomy and Astrophysics</i> , 2020, 644, A51.	5.1	13
158	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 637, A93.	5.1	12
159	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
160	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2022, 663, A48.	5.1	12
161	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
162	Radio emission in ultracool dwarfs: The nearby substellar triple system VHS 1256 <sup>1257</sup> . <i>Astronomy and Astrophysics</i> , 2018, 610, A23.	5.1	11

#	ARTICLE	IF	CITATIONS
163	Astrometric orbits of spectral binary brown dwarfs – I. Massive T dwarf companions to 2M1059+21 and 2M0805+48. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 1136-1147.	4.4	11
164	Probing the atmosphere of WASP-69 b with low- and high-resolution transmission spectroscopy. <i>Astronomy and Astrophysics</i> , 2021, 656, A142.	5.1	11
165	CODEX. , 2010, , .		10
166	Ultracool dwarf benchmarks with Gaia primaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 4885-4907.	4.4	10
167	Primeval very low-mass stars and brown dwarfs – III. The halo transitional brown dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 1383-1391.	4.4	10
168	The widest broadband transmission spectrum (0.38–1.71 $\mu\text{m}$ ) of HD 189733b from ground-based chromatic Rossiter–McLaughlin observations. <i>Astronomy and Astrophysics</i> , 2020, 643, A64.	5.1	10
169	A Transiting, Temperate Mini-Neptune Orbiting the M Dwarf TOI-1759 Unveiled by TESS. <i>Astronomical Journal</i> , 2022, 163, 133.	4.7	10
170	2MASS J154043.42+510135.7: a new addition to the 5 pc population. <i>Astronomy and Astrophysics</i> , 2014, 567, A6.	5.1	9
171	ESPRESSO: the radial velocity machine for the VLT. <i>Proceedings of SPIE</i> , 2014, , .	0.8	9
172	Rotational and Rotational-Vibrational Raman Spectroscopy of Air to Characterize Astronomical Spectrographs. <i>Physical Review Letters</i> , 2019, 123, 061101.	7.8	8
173	USco1621 B and USco1556 B: Two wide companions at the deuterium-burning mass limit in Upper Scorpius. <i>Astronomy and Astrophysics</i> , 2020, 633, A152.	5.1	8
174	Temporal changes of the flare activity of Proxima Centauri. <i>Astronomy and Astrophysics</i> , 2019, 626, A111.	5.1	8
175	Lithium depletion in the brown dwarf binary GJ 569Bab. <i>Astronomische Nachrichten</i> , 2005, 326, 848-851.	1.2	7
176	CCD-based observations of PG 0856+121 and a theoretical analysis of its oscillation modes. <i>Astronomy and Astrophysics</i> , 2001, 369, 986-992.	5.1	7
177	A multi-planetary system orbiting the early-M dwarf TOI-1238. <i>Astronomy and Astrophysics</i> , 2022, 658, A138.	5.1	7
178	Constraints on the substellar companions in wide orbits around the Barnard's Star from CanariCam mid-infrared imaging. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 1677-1683.	4.4	6
179	Confirming the least massive members of the Pleiades star cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 139-153.	4.4	6
180	Time-resolved image polarimetry of TRAPPIST-1 during planetary transits. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 484, L38-L42.	3.3	6

#	ARTICLE	IF	CITATIONS
181	HD 22496 b: The first ESPRESSO stand-alone planet discovery. <i>Astronomy and Astrophysics</i> , 2021, 654, A60.	5.1	6
182	Can Jupiters be found by monitoring Galactic bulge microlensing events from northern sites?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 325, 1205-1212.	4.4	5
183	A new L dwarf member of the moderately metal poor triple system HD 221356. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 2457-2463.	4.4	5
184	Strong H $\alpha$ emission in the young planetary mass companion 2MASS J0249 <sup>h</sup> 0557 c. <i>Astronomy and Astrophysics</i> , 2021, 645, A17.	5.1	5
185	Physical properties and trigonometric distance of the peculiar dwarf WISE J181005.5 <sup>h</sup> 101002.3. <i>Astronomy and Astrophysics</i> , 2022, 663, A84.	5.1	5
186	Clues to Substellar Formation: Rotation and the Low-Mass End of the Initial Mass Function. <i>Astrophysics and Space Science</i> , 2004, 292, 673-679.	1.4	4
187	An integrated payload design for the Exoplanet Characterisation Observatory (EChO). , 2012, , .		3
188	Short-term spectroscopic monitoring of two cool dwarfs with strong magnetic fields. <i>Astronomy and Astrophysics</i> , 2009, 498, 281-287.	5.1	3
189	CaRM: Exploring the chromatic Rossiter-McLaughlin effect. <i>Astronomy and Astrophysics</i> , 2022, 660, A52.	5.1	3
190	Radio emission in a nearby, ultra-cool dwarf binary: A multifrequency study. <i>Astronomy and Astrophysics</i> , 2022, 660, A65.	5.1	3
191	The Substellar Population in $\epsilon$ Orionis. <i>Symposium - International Astronomical Union</i> , 2003, 211, 111-118.	0.1	2
192	Observations and modelling of earth's transmission spectrum through lunar eclipses: A window to transiting exoplanet characterization. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 385-388.	0.0	2
193	Long-term Ks-band photometric monitoring of L dwarfs. <i>Astronomy and Astrophysics</i> , 2014, 568, A87.	5.1	2
194	Retrieving the transmission spectrum of HD 209458b using CHOCOLATE: a new chromatic Doppler tomography technique. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	2
195	Faint Companions to G/K Halo Subdwarfs. <i>Globular Clusters - Guides To Galaxies</i> , 1995, , 253-256.	0.1	2
196	Near-infrared Spectroscopy of Three Nearby L Dwarfs*. <i>Research Notes of the AAS</i> , 2019, 3, 30.	0.7	2
197	GTC/CanariCam Deep Mid-infrared Imaging Survey of Northern Stars within 5 pc. <i>Astrophysical Journal</i> , 2021, 923, 119.	4.5	2
198	On the Interpretation of the Optical Spectra of Very Cool Dwarfs. , 2000, , 169-174.		1

#	ARTICLE	IF	CITATIONS
199	Physical parameters of a sample of M dwarfs from high-resolution near-infrared spectra. EPJ Web of Conferences, 2011, 16, 04006.	0.3	1
200	Transit spectroscopy with GTC. EPJ Web of Conferences, 2013, 47, 11002.	0.3	1
201	Photometric Surveys in Open Clusters. , 2000, , 46-58.		0
202	Photometric study of the improved GRB 970815 error box. AIP Conference Proceedings, 2000, , .	0.4	0
203	Recent optical/near-IR observations of GRBs. AIP Conference Proceedings, 2000, , .	0.4	0
204	Discovery of a wide planetary-mass companion of a brown dwarf in the Upper Scorpius association. , 2009, , .		0
205	Search for wide, ultracool companions of nearby T dwarfs. , 2009, , .		0
206	Detecting Planets Around Low Mass Stars: The Gateway to Terrestrial Planets. , 2009, , .		0
207	Polarization of ultra-cool dwarfs. , 2009, , .		0
208	Search and characterization of T-type planetary mass candidates in the $\rho$ Orionis cluster. Proceedings of the International Astronomical Union, 2010, 6, 489-490.	0.0	0
209	Radial velocity observations of VB10. EPJ Web of Conferences, 2011, 16, 06010.	0.3	0
210	Understanding sub-stellar populations using wide-field infrared surveys. EPJ Web of Conferences, 2011, 16, 06002.	0.3	0
211	Improving the radial velocity precision of NIRSPEC data. EPJ Web of Conferences, 2011, 16, 02007.	0.3	0
212	High precision radial velocities in the near-infrared domain: Status and prospects. EPJ Web of Conferences, 2011, 16, 02001.	0.3	0
213	The kinematics of very low mass dwarfs: Splinter session summary. Astronomische Nachrichten, 2013, 334, 93-96.	1.2	0
214	A Young Planetary Mass Companion to the Nearby M Dwarf VHS J125601.92-125723.9. Proceedings of the International Astronomical Union, 2015, 10, 232-236.	0.0	0
215	Mid-IR characterization of substellar companions with CanariCam. EPJ Web of Conferences, 2015, 101, 06005.	0.3	0
216	New ultracool subdwarfs identified in large-scale surveys using Virtual Observatory tools <i>(Corrigendum)</i>. Astronomy and Astrophysics, 2017, 597, C3.	5.1	0

#	ARTICLE	IF	CITATIONS
217	VLT/FORS Spectroscopy in $\bar{\iota}$ Orionis: Isolated Planetary Mass Candidate Members. Globular Clusters - Guides To Galaxies, 2002, , 193-200.	0.1	0
218	Probing the Substellar Domain in Young, Nearby Star Clusters. , 2003, , 341-348.		0
219	Hot Subdwarfs: Magnetic, Oscillatory and Other Physical Properties. , 2003, , 269-272.		0
220	The Substellar Population in the Young $\bar{\iota}$ Orionis Cluster, Spatial Distribution. , 2004, , 253-260.		0
221	Clues to Substellar Formation: Rotation and the Low-Mass End of the Initial Mass Function. , 2004, , 499-505.		0
222	ESPRESSO Optomechanics. Thirty Years of Astronomical Discovery With UKIRT, 2009, , 405-407.	0.3	0
223	The Substellar Population of the $\bar{\iota}$ Orionis Cluster. Thirty Years of Astronomical Discovery With UKIRT, 2012, , 263-266.	0.3	0
224	Spectroscopy of M Type Stars in the $\hat{\iota}$ Persei Open Cluster. Globular Clusters - Guides To Galaxies, 1995, , 205-208.	0.1	0
225	Search for Evolved Objects and Young Stellar Objects from the Denis Database. Astrophysics and Space Science Library, 1997, , 157-159.	2.7	0
226	Prospects of Brown Dwarf Detection by Near-Infrared Surveys (DENIS, 2MASS). Astrophysics and Space Science Library, 1997, , 149-156.	2.7	0
227	An optical counterpart to GRB 971227?. Astronomy and Astrophysics, 1999, 138, 457-458.	2.1	0
228	Approaching the Deuterium Burning Limit in the $\sigma$ Orionis Young Cluster. , 0, , 446-449.		0
229	Brown Dwarfs in Open Clusters. , 0, , 511-517.		0