

# Patricio M Rojo

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,341  
citations

279798

23  
h-index

243625

44  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2504  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Open-source Bayesian Atmospheric Radiative Transfer (BART) Code. III. Initialization, Atmospheric Profile Generator, Post-processing Routines. Planetary Science Journal, 2022, 3, 82.	3.6	11
2	An Open-source Bayesian Atmospheric Radiative Transfer (BART) Code. I. Design, Tests, and Application to Exoplanet HD 189733b. Planetary Science Journal, 2022, 3, 80.	3.6	20
3	An Open-source Bayesian Atmospheric Radiative Transfer (BART) Code. II. The Transit Radiative Transfer Module and Retrieval of HAT-P-11b. Planetary Science Journal, 2022, 3, 81.	3.6	12
4	Identification and Mitigation of a Vibrational Telescope Systematic with Application to Spitzer. Planetary Science Journal, 2021, 2, 9.	3.6	5
5	Tracking Short-term Variations in the Haze Distribution of Titan's Atmosphere with SINFONI VLT. Planetary Science Journal, 2021, 2, 180.	3.6	3
6	TraMoS. Astronomy and Astrophysics, 2020, 636, A98.	5.1	30
7	ALMA Observations of Io Going into and Coming out of Eclipse. Planetary Science Journal, 2020, 1, 60.	3.6	19
8	Proxima Centauri b is not a transiting exoplanet. Monthly Notices of the Royal Astronomical Society, 2019, 487, 268-274.	4.4	21
9	Atmospheric dynamics and habitability range in Earth-like aquaplanets obliquity simulations. Icarus, 2018, 305, 84-90.	2.5	35
10	Estimation of exoplanetary planet-to-star radius ratio with homomorphic processing. Astronomy and Computing, 2017, 20, 160-167.	1.7	1
11	New planetary systems from the Calan's Hertfordshire Extrasolar Planet Search. Monthly Notices of the Royal Astronomical Society, 2017, 466, 443-473.	4.4	65
12	An eccentric companion at the edge of the brown dwarf desert orbiting the 2.4 $M_{\text{Jup}}$ giant star HIP 67537. Astronomy and Astrophysics, 2017, 602, A58.	5.1	25
13	New spectroscopic binary companions of giant stars and updated metallicity distribution for binary systems. Astronomy and Astrophysics, 2016, 593, A133.	5.1	13
14	Four new planets around giant stars and the mass-metallicity correlation of planet-hosting stars. Astronomy and Astrophysics, 2016, 590, A38.	5.1	57
15	Meridional variation in tropospheric methane on Titan observed with AO spectroscopy at Keck and VLT. Icarus, 2016, 270, 376-388.	2.5	24
16	Application of a regional model to astronomical site testing in western Antarctica. Theoretical and Applied Climatology, 2016, 125, 841-862.	2.8	7
17	TraMoS - IV. Discarding the Quick Orbital Decay Hypothesis for OGLE-TR-113b. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1334-1340.	4.4	33
18	TRIO OF STELLAR OCCULTATIONS BY PLUTO ONE YEAR PRIOR TO NEW HORIZONS' ARRIVAL. Astronomical Journal, 2016, 151, 97.	4.7	5

#	ARTICLE	IF	CITATIONS
19	A planetary system and a highly eccentric brown dwarf around the giant stars HIP 67851 and HIP 97233. <i>Astronomy and Astrophysics</i> , 2015, 573, A3.	5.1	27
20	Giant planets around two intermediate-mass evolved stars and confirmation of the planetary nature of HIP 67851. <i>Astronomy and Astrophysics</i> , 2015, 580, A14.	5.1	17
21	Adaptive filter based on NARX model for atmospheric noise removal on exo-planet observations. , 2015, , .		0
22	Discovery and spectroscopy of the young jovian planet 51 Eri b with the Gemini Planet Imager. <i>Science</i> , 2015, 350, 64-67.	12.6	459
23	The state of Pluto's atmosphere in 2012-2013. <i>Icarus</i> , 2015, 246, 237-246.	2.5	20
24	Ground-based transit observations of the super-Earth GJ 1214b. <i>Astronomy and Astrophysics</i> , 2014, 565, A7.	5.1	15
25	A library of near-infrared integral field spectra of young M-L dwarfs. <i>Astronomy and Astrophysics</i> , 2014, 562, A127.	5.1	109
26	The properties of planets around giant stars. <i>Astronomy and Astrophysics</i> , 2014, 566, A113.	5.1	55
27	Precision radial velocities of 15 M5-M9 dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 3094-3113.	4.4	61
28	Improved signal detection algorithms for unevenly sampled data. Six signals in the radial velocity data for GJ876. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 2253-2265.	4.4	37
29	New constraints on the formation and settling of dust in the atmospheres of young M and L dwarfs. <i>Astronomy and Astrophysics</i> , 2014, 564, A55.	5.1	39
30	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
31	TraMoS project III. Improved physical parameters, timing analysis and starspot modelling of the WASP-4b exoplanet system from 38 transit observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 46-58.	4.4	49
32	THE PECULIAR PHOTOMETRIC PROPERTIES OF 2010 WG9: A SLOWLY ROTATING TRANS-NEPTUNIAN OBJECT FROM THE OORT CLOUD. <i>Astronomical Journal</i> , 2013, 146, 17.	4.7	31
33	Study of the impact of the post-MS evolution of the host star on the orbits of close-in planets. <i>Astronomy and Astrophysics</i> , 2013, 556, A78.	5.1	22
34	The Transit Monitoring in the South (TraMoS) project. <i>EPJ Web of Conferences</i> , 2013, 47, 03003.	0.3	0
35	Status of the Calan-Hertfordshire Extrasolar Planet Search. <i>EPJ Web of Conferences</i> , 2013, 47, 05001.	0.3	23
36	Red Optical Planet Survey: A radial velocity search for low mass M dwarf planets. <i>EPJ Web of Conferences</i> , 2013, 47, 05002.	0.3	0

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37	Stellar activity as a tracer of moving groups. <i>Astronomy and Astrophysics</i> , 2013, 552, A27.	5.1	24
38	Exoplanet Surveys at Universidad de Chile. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 454-459.	0.0	0
39	ORBITS, MASSES, AND EVOLUTION OF MAIN BELT TRIPLE (87) SYLVIA. <i>Astronomical Journal</i> , 2012, 144, 70.	4.7	19
40	Red Optical Planet Survey: a new search for habitable earths in the southern sky. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 591-604.	4.4	48
41	TRANSIT MONITORING IN THE SOUTH (TraMoS) PROJECT: DISCARDING TRANSIT TIMING VARIATIONS IN WASP-5b. <i>Astrophysical Journal</i> , 2012, 748, 22.	4.5	63
42	Study of the impact of the post-MS evolution of the host star on the orbits of close-in planets. <i>Astronomy and Astrophysics</i> , 2011, 536, A71.	5.1	57
43	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
44	High-resolution spectroscopic search for the thermal emission of the extrasolar planet HD 217107 b. <i>Astronomy and Astrophysics</i> , 2011, 529, A88.	5.1	5
45	DISCOVERY AND CHARACTERIZATION OF AN EXTREMELY DEEP-ECLIPSING CATAclysmic VARIABLE: LSQ172554.8-643839. <i>Astrophysical Journal</i> , 2011, 732, 51.	4.5	6
46	TWENTY-ONE NEW LIGHT CURVES OF OGLE-TR-56b: NEW SYSTEM PARAMETERS AND LIMITS ON TIMING VARIATIONS. <i>Astrophysical Journal</i> , 2011, 741, 102.	4.5	33
47	MASS AND DENSITY OF THE B-TYPE ASTEROID (702) ALAUDA. <i>Astrophysical Journal</i> , 2011, 727, 69.	4.5	13
48	FIVE NEW TRANSIT EPOCHS OF THE EXOPLANET OGLE-TR-111b. <i>Astrophysical Journal</i> , 2011, 733, 53.	4.5	42
49	A COLD NEPTUNE-MASS PLANET OGLE-2007-BLG-368Lb: Cold neptunes are common. <i>Astrophysical Journal</i> , 2010, 710, 1641-1653.	4.5	204
50	Near-infrared integral-field spectra of the planet/brown dwarf companion AB Pictoris b. <i>Astronomy and Astrophysics</i> , 2010, 512, A52.	5.1	49
51	First results from the Calan-Hertfordshire Extrasolar Planet Search: exoplanets and the discovery of an eccentric brown dwarf in the desert. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 398, 911-917.	4.4	67
52	Period variations in extrasolar transiting planet OGLE-TR-111b. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 450-453.	0.0	0
53	A New Outburst in the Extraordinary Central Star of LMC-N66. <i>Astrophysical Journal</i> , 2008, 680, L109-L111.	4.5	7
54	Detection of Period Variations in Extrasolar Transiting Planet OGLE-TR-111b. <i>Astrophysical Journal</i> , 2008, 682, L49-L52.	4.5	50

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55	Millimagnitude Photometry for Transiting Extrasolar Planetary Candidates. III. Accurate Radius and Period for OGLE-TR-111. <i>Astrophysical Journal</i> , 2007, 660, 858-862.	4.5	40
56	A Method to Remove Fringes from Images Using Wavelets. <i>Astrophysical Journal</i> , 2006, 649, 553-560.	4.5	14
57	Transit Spectroscopy of the Extrasolar Planet HD 209458b: The Search for Water. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	1
58	Kinematics and Luminosity Function of Dwarf Populations in Three Areas of the Caln-ESO Proper-Motion Catalog. <i>Astronomical Journal</i> , 2003, 126, 353-369.	4.7	6
59	CE 315: A New Interacting Double-Degenerate Binary Star. <i>Astrophysical Journal</i> , 2001, 552, 679-684.	4.5	53
60	Calan-ESO Proper-Motion Catalog. <i>Astrophysical Journal</i> , Supplement Series, 2001, 133, 119-160.	7.7	42