

Patricio M Rojo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3165167/publications.pdf>

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 | 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 |
| 2 | A COLD NEPTUNE-MASS PLANET OGLE-2007-BLG-368Lb: Cold neptunes are common. <i>Astrophysical Journal</i> , 2010, 710, 1641-1653. | 4.5 | 204 |
| 3 | A library of near-infrared integral field spectra of young M dwarf dwarfs. <i>Astronomy and Astrophysics</i> , 2014, 562, A127. | 5.1 | 109 |
| 4 | 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 |
| 5 | 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 |
| 6 | New planetary systems from the Calan-Hertfordshire Extrasolar Planet Search. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 443-473. | 4.4 | 65 |
| 7 | TRANSIT MONITORING IN THE SOUTH (TraMoS) PROJECT: DISCARDING TRANSIT TIMING VARIATIONS IN WASP-5b. <i>Astrophysical Journal</i> , 2012, 748, 22. | 4.5 | 63 |
| 8 | Precision radial velocities of 15 M dwarf dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 3094-3113. | 4.4 | 61 |
| 9 | 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 |
| 10 | Four new planets around giant stars and the mass-metallicity correlation of planet-hosting stars. <i>Astronomy and Astrophysics</i> , 2016, 590, A38. | 5.1 | 57 |
| 11 | 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 |
| 12 | The properties of planets around giant stars. <i>Astronomy and Astrophysics</i> , 2014, 566, A113. | 5.1 | 55 |
| 13 | CE 315: A New Interacting Double-Degenerate Binary Star. <i>Astrophysical Journal</i> , 2001, 552, 679-684. | 4.5 | 53 |
| 14 | Detection of Period Variations in Extrasolar Transiting Planet OGLE-TR-111b. <i>Astrophysical Journal</i> , 2008, 682, L49-L52. | 4.5 | 50 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | FIVE NEW TRANSIT EPOCHS OF THE EXOPLANET OGLE-TR-111b. <i>Astrophysical Journal</i> , 2011, 733, 53. | 4.5 | 42 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Calan-ESO Proper-Motion Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2001, 133, 119-160. | 7.7 | 42 |
| 20 | Millimagnitude Photometry for Transiting Extrasolar Planetary Candidates. III. Accurate Radius and Period for OGLE-TR-111b. <i>Astrophysical Journal</i> , 2007, 660, 858-862. | 4.5 | 40 |
| 21 | 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 |
| 22 | 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 |
| 23 | Atmospheric dynamics and habitability range in Earth-like aquaplanets obliquity simulations. <i>Icarus</i> , 2018, 305, 84-90. | 2.5 | 35 |
| 24 | 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 |
| 25 | TraMoS " IV. Discarding the Quick Orbital Decay Hypothesis for OGLE-TR-113b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 1334-1340. | 4.4 | 33 |
| 26 | 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 |
| 27 | TraMoS. <i>Astronomy and Astrophysics</i> , 2020, 636, A98. | 5.1 | 30 |
| 28 | 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 |
| 29 | An eccentric companion at the edge of the brown dwarf desert orbiting the 2.4 <i>M</i> _J giant star HIP 67537. <i>Astronomy and Astrophysics</i> , 2017, 602, A58. | 5.1 | 25 |
| 30 | Stellar activity as a tracer of moving groups. <i>Astronomy and Astrophysics</i> , 2013, 552, A27. | 5.1 | 24 |
| 31 | Meridional variation in tropospheric methane on Titan observed with AO spectroscopy at Keck and VLT. <i>Icarus</i> , 2016, 270, 376-388. | 2.5 | 24 |
| 32 | Status of the Calan-Hertfordshire Extrasolar Planet Search. <i>EPJ Web of Conferences</i> , 2013, 47, 05001. | 0.3 | 23 |
| 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 | Proxima Centauri b is not a transiting exoplanet. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 268-274. | 4.4 | 21 |
| 35 | The state of Pluto's atmosphere in 2012-2013. <i>Icarus</i> , 2015, 246, 237-246. | 2.5 | 20 |
| 36 | An Open-source Bayesian Atmospheric Radiative Transfer (BART) Code. I. Design, Tests, and Application to Exoplanet HD 189733b. <i>Planetary Science Journal</i> , 2022, 3, 80. | 3.6 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | ORBITS, MASSES, AND EVOLUTION OF MAIN BELT TRIPLE (87) SYLVIA. <i>Astronomical Journal</i> , 2012, 144, 70. | 4.7 | 19 |
| 38 | ALMA Observations of Io Going into and Coming out of Eclipse. <i>Planetary Science Journal</i> , 2020, 1, 60. | 3.6 | 19 |
| 39 | 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 |
| 40 | Ground-based transit observations of the super-Earth GJ 1214b. <i>Astronomy and Astrophysics</i> , 2014, 565, A7. | 5.1 | 15 |
| 41 | A Method to Remove Fringes from Images Using Wavelets. <i>Astrophysical Journal</i> , 2006, 649, 553-560. | 4.5 | 14 |
| 42 | MASS AND DENSITY OF THE B-TYPE ASTEROID (702) ALAUDA. <i>Astrophysical Journal</i> , 2011, 727, 69. | 4.5 | 13 |
| 43 | New spectroscopic binary companions of giant stars and updated metallicity distribution for binary systems. <i>Astronomy and Astrophysics</i> , 2016, 593, A133. | 5.1 | 13 |
| 44 | An Open-source Bayesian Atmospheric Radiative Transfer (BART) Code. II. The Transit Radiative Transfer Module and Retrieval of HAT-P-11b. <i>Planetary Science Journal</i> , 2022, 3, 81. | 3.6 | 12 |
| 45 | An Open-source Bayesian Atmospheric Radiative Transfer (BART) Code. III. Initialization, Atmospheric Profile Generator, Post-processing Routines. <i>Planetary Science Journal</i> , 2022, 3, 82. | 3.6 | 11 |
| 46 | A New Outburst in the Extraordinary Central Star of LMC-N66. <i>Astrophysical Journal</i> , 2008, 680, L109-L111. | 4.5 | 7 |
| 47 | Application of a regional model to astronomical site testing in western Antarctica. <i>Theoretical and Applied Climatology</i> , 2016, 125, 841-862. | 2.8 | 7 |
| 48 | 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 |
| 49 | DISCOVERY AND CHARACTERIZATION OF AN EXTREMELY DEEP-ECLIPSING CATAclysmic VARIABLE: LSQ172554.8-643839. <i>Astrophysical Journal</i> , 2011, 732, 51. | 4.5 | 6 |
| 50 | High-resolution spectroscopic search for the thermal emission of the extrasolar planet HD 217107b. <i>Astronomy and Astrophysics</i> , 2011, 529, A88. | 5.1 | 5 |
| 51 | TRIO OF STELLAR OCCULTATIONS BY PLUTO ONE YEAR PRIOR TO NEW HORIZONS™ ARRIVAL. <i>Astronomical Journal</i> , 2016, 151, 97. | 4.7 | 5 |
| 52 | Identification and Mitigation of a Vibrational Telescope Systematic with Application to Spitzer. <i>Planetary Science Journal</i> , 2021, 2, 9. | 3.6 | 5 |
| 53 | Tracking Short-term Variations in the Haze Distribution of Titan's Atmosphere with SINFONI VLT. <i>Planetary Science Journal</i> , 2021, 2, 180. | 3.6 | 3 |
| 54 | Transit Spectroscopy of the Extrasolar Planet HD 209458b: The Search for Water. <i>AIP Conference Proceedings</i> , 2004, , . | 0.4 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Estimation of exoplanetary planet-to-star radius ratio with homomorphic processing. Astronomy and Computing, 2017, 20, 160-167. | 1.7 | 1 |
| 56 | Period variations in extrasolar transiting planet OGLE-TR-111b. Proceedings of the International Astronomical Union, 2008, 4, 450-453. | 0.0 | 0 |
| 57 | Exoplanet Surveys at Universidad de Chile. Proceedings of the International Astronomical Union, 2012, 8, 454-459. | 0.0 | 0 |
| 58 | The Transit Monitoring in the South (TraMoS) project. EPJ Web of Conferences, 2013, 47, 03003. | 0.3 | 0 |
| 59 | Red Optical Planet Survey: A radial velocity search for low mass M dwarf planets. EPJ Web of Conferences, 2013, 47, 05002. | 0.3 | 0 |
| 60 | Adaptive filter based on NARX model for atmospheric noise removal on exo-planet observations. , 2015, , . | | 0 |