

Juan R Pardo

List of Publications by Year in descending order

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41
papers

1,732
citations

257450

24
h-index

289244

40
g-index

41
all docs

41
docs citations

41
times ranked

1567
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-dependent molecular emission in IRC + 10216. <i>Astronomy and Astrophysics</i> , 2018, 615, L4.	5.1	14
2	Ground-based measurements of the 1.3 to 0.3 Åmm spectrum of Jupiter and Saturn, and their detailed calibration. <i>Icarus</i> , 2017, 290, 150-155.	2.5	1
3	Clues to NaCN formation. <i>Astronomy and Astrophysics</i> , 2017, 607, L5.	5.1	10
4	THE CHESS SURVEY OF THE L1157-B1 SHOCK REGION: CO SPECTRAL SIGNATURES OF JET-DRIVEN BOW SHOCKS. <i>Astrophysical Journal Letters</i> , 2012, 757, L25.	8.3	62
5	The molecular hydrogen explorer H2EX. <i>Experimental Astronomy</i> , 2009, 23, 277-302.	3.7	4
6	Understanding the chemical complexity in Circumstellar Envelopes of C-Rich AGB stars: the case of IRC +10216. <i>Astrophysics and Space Science</i> , 2008, 313, 229-233.	1.4	24
7	A Midlatitude Precipitating Cloud Database Validated with Satellite Observations. <i>Journal of Applied Meteorology and Climatology</i> , 2008, 47, 1337-1353.	1.5	38
8	Microwave remote sensing to help astronomical observations: the Atacama Large Millimeter Array project. <i>Proceedings of SPIE</i> , 2008, , .	0.8	0
9	Radiative Transfer Simulations Using Mesoscale Cloud Model Outputs: Comparisons with Passive Microwave and Infrared Satellite Observations for Midlatitudes. <i>Journals of the Atmospheric Sciences</i> , 2007, 64, 1550-1568.	1.7	42
10	Molecular Line Survey of CRL 618 from 80 to 276 GHz and Complete Model. <i>Astrophysical Journal</i> , 2007, 661, 250-261.	4.5	49
11	Anatomy of HH 111 from CO Observations: A Bow Shock-driven Molecular Outflow. <i>Astrophysical Journal</i> , 2007, 658, 498-508.	4.5	15
12	Molecular Abundances in CRL 618. <i>Astrophysical Journal</i> , 2007, 654, 978-987.	4.5	39
13	Discovery of Interstellar Heavy Water. <i>Astrophysical Journal</i> , 2007, 659, L137-L140.	4.5	78
14	A New Water Vapor Megamaser. <i>Astrophysical Journal</i> , 2006, 646, L49-L52.	4.5	36
15	Warm Water Vapor around Sagittarius B2. <i>Astrophysical Journal</i> , 2006, 642, 940-953.	4.5	40
16	Comparisons of the Millimeter and Submillimeter Bands for Atmospheric Temperature and Water Vapor Soundings for Clear and Cloudy Skies. <i>Journal of Applied Meteorology and Climatology</i> , 2006, 45, 1622-1633.	1.5	24
17	Detection of C 3 O in IRC +10216: Oxygen-Carbon Chain Chemistry in the Outer Envelope. <i>Astrophysical Journal</i> , 2006, 649, L17-L20.	4.5	31
18	High-J [FORMULA][F]v[/F][[/FORMULA]â€‰=â€‰0 SiS Maser Emission in IRC +10216: A New Case of Infrared Overlaps. <i>Astrophysical Journal</i> , 2006, 646, L127-L130.	4.5	36

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19	Dissociative Shocks in the Neighborhood of Orion IRC2 Traced with Atomic Carbon. <i>Astrophysical Journal</i> , 2005, 634, L61-L64.	4.5	7
20	CASPER: Concordia Atmospheric SPectroscopy of Emitted Radiation. <i>EAS Publications Series</i> , 2005, 14, 233-238.	0.3	1
21	Observational Evidence of the Formation of Cyanopolynes in CRL 618 through the Polymerization of HCN. <i>Astrophysical Journal</i> , 2005, 628, 275-282.	4.5	35
22	Measured telluric continuum-like opacity beyond 1THz. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2005, 96, 537-545.	2.3	17
23	Broadband submillimeter measurements of the full Moon center brightness temperature and application to a lunar eclipse. <i>Icarus</i> , 2005, 178, 19-26.	2.5	8
24	Relations of polarized scattering signatures observed by the TRMM Microwave Instrument with electrical processes in cloud systems. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	44
25	Modeling of passive microwave responses in convective situations using output from mesoscale models: Comparison with TRMM/TMI satellite observations. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	36
26	Side-by-Side Comparison of Fourier Transform Spectroscopy and Water Vapor Radiometry as Tools for the Calibration of Millimeter/Submillimeter Ground-based Observatories. <i>Astrophysical Journal, Supplement Series</i> , 2004, 153, 363-367.	7.7	14
27	Detection of the Linear Radical HC 4 N in IRC +10216. <i>Astrophysical Journal</i> , 2004, 615, L145-L148.	4.5	40
28	The Slowly Expanding Envelope of CRL 618 Probed with HC3N Rotational Ladders. <i>Astrophysical Journal</i> , 2004, 615, 495-505.	4.5	29
29	Chemical Evolution of the Circumstellar Envelopes of Carbon-rich Post-Asymptotic Giant Branch Objects. <i>Astrophysical Journal</i> , 2002, 577, 961-973.	4.5	39
30	Microwave temperature and pressure measurements with the Odin satellite: I. Observational method. <i>Canadian Journal of Physics</i> , 2002, 80, 443-454.	1.1	6
31	Microwave polarized signatures generated within cloud systems: Special Sensor Microwave Imager (SSM/I) observations interpreted with radiative transfer simulations. <i>Journal of Geophysical Research</i> , 2001, 106, 28243-28258.	3.3	28
32	Methylpolyynes and Small Hydrocarbons in CRL 618. <i>Astrophysical Journal</i> , 2001, 546, L127-L130.	4.5	122
33	Deuterium Enhancement in Water toward Orion IRC2 Deduced from HDO Lines above 800 GHz. <i>Astrophysical Journal</i> , 2001, 562, 799-803.	4.5	38
34	[ITAL]Infrared Space Observatory's [ITAL] Discovery of C ₄ H ₂ , C ₆ H ₂ , and Benzene in CRL 618. <i>Astrophysical Journal</i> , 2001, 546, L123-L126.	4.5	491
35	Submillimeter atmospheric transmission measurements on Mauna Kea during extremely dry El Niño conditions: implications for broadband opacity contributions. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2001, 68, 419-433.	2.3	85
36	European Minor Constituent Radiometer: A New Millimeter Wave Receiver for Atmospheric Research. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2001, 22, 1555-1575.	0.6	6

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37	Cold H ₂ and CO Ice and Gas toward the Galactic Center. <i>Astrophysical Journal</i> , 2001, 549, L203-L207.	4.5	42
38	FTS Measurements of Submillimeter-Wave Atmospheric Opacity at Pampa la Bola II : Supra-Terahertz Windows and Model Fitting. <i>Publication of the Astronomical Society of Japan</i> , 1999, 51, 603-610.	2.5	56
39	Physical Conditions in Shocked Regions of Orion from Ground-based Observations of H ₂ O. <i>Astrophysical Journal</i> , 1999, 520, L131-L134.	4.5	37
40	REMOTE SENSING OF THE MESOSPHERIC TEMPERATURE PROFILE FROM CLOSE-TO-NADIR OBSERVATIONS: DISCUSSION ABOUT THE CAPABILITIES OF THE 57.5-62.5GHz FREQUENCY BAND AND THE 118.75GHz SINGLE O ₂ LINE. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 1998, 60, 559-571.	2.3	4
41	Ground-based spectroscopic observations of atmospheric ozone from 142 to 359 GHz in southern Europe. <i>Journal of Geophysical Research</i> , 1998, 103, 6189-6202.	3.3	4