Juan R Pardo

List of Publications by Year
in descending order

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	[ITAL]Infrared Space Observatory's[/ITAL] Discovery of C[TINF]4[/TINF]H[TINF]2[/TINF], C[TINF]6[/TINF]H[TINF]2[/TINF], and Benzene in CRL 618. Astrophysical Journal, 2001, 546, L123-L126.	4.5	491
2	Methylpolyynes and Small Hydrocarbons in CRL 618. Astrophysical Journal, 2001, 546, L127-L130.	4.5	122
3	Submillimeter atmospheric transmission measurements on Mauna Kea during extremely dry El NiÃ±o conditions: implications for broadband opacity contributions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2001, 68, 419-433.	2.3	85
4	Discovery of Interstellar Heavy Water. Astrophysical Journal, 2007, 659, L137-L140.	4.5	78
5	THE CHESS SURVEY OF THE L1157-B1 SHOCK REGION: CO SPECTRAL SIGNATURES OF JET-DRIVEN BOW SHOCKS. Astrophysical Journal Letters, 2012, 757, L25.	8.3	62
6	FTS Measurements of Submillimeter-Wave Atmospheric Opacity at Pampa la Bola II : Supra-Terahertz Windows and Model Fitting. Publication of the Astronomical Society of Japan, 1999, 51, 603-610.	2.5	56
7	Molecular Line Survey of CRL 618 from 80 to 276 GHz and Complete Model. Astrophysical Journal, 2007, 661, 250-261.	4.5	49
8	Relations of polarized scattering signatures observed by the TRMM Microwave Instrument with electrical processes in cloud systems. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	44
9	Radiative Transfer Simulations Using Mesoscale Cloud Model Outputs: Comparisons with Passive Microwave and Infrared Satellite Observations for Midlatitudes. Journals of the Atmospheric Sciences, 2007, 64, 1550-1568.	1.7	42
10	Cold H[TINF]2[/TINF]O and CO Ice and Gas toward the Galactic Center. Astrophysical Journal, 2001, 549, L203-L207.	4.5	42
11	Detection of the Linear Radical HC 4 N in IRC +10216. Astrophysical Journal, 2004, 615, L145-L148.	4.5	40
12	Warm Water Vapor around Sagittarius B2. Astrophysical Journal, 2006, 642, 940-953.	4.5	40
13	Chemical Evolution of the Circumstellar Envelopes of Carbonâ€rich Postâ€“Asymptotic Giant Branch Objects. Astrophysical Journal, 2002, 577, 961-973.	4.5	39
14	Molecular Abundances in CRL 618. Astrophysical Journal, 2007, 654, 978-987.	4.5	39
15	Deuterium Enhancement in Water toward Orion IRc2 Deduced from HDO Lines above 800 GHz. Astrophysical Journal, 2001, 562, 799-803.	4.5	38
16	A Midlatitude Precipitating Cloud Database Validated with Satellite Observations. Journal of Applied Meteorology and Climatology, 2008, 47, 1337-1353.	1.5	38
17	Physical Conditions in Shocked Regions of Orion from Ground-based Observations of H[TINF]2[/TINF]O. Astrophysical Journal, 1999, 520, L131-L134.	4.5	37
18	Modeling of passive microwave responses in convective situations using output from mesoscale models: Comparison with TRMM/TMI satellite observations. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	36

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19	A New Water Vapor Megamaser. Astrophysical Journal, 2006, 646, L49-L52.	4.5	36
20	High- J [FORMULA] [F]ν[/F] [/FORMULA]â€‰=â€‰0 SiS Maser Emission in IRC +10216: A New Case of Infrared Overlaps. Astrophysical Journal, 2006, 646, L127-L130.	4.5	36
21	Observational Evidence of the Formation of Cyanopolyynes in CRL 618 through the Polymerization of HCN. Astrophysical Journal, 2005, 628, 275-282.	4.5	35
22	Detection of C 3 O in IRC +10216: Oxygen-Carbon Chain Chemistry in the Outer Envelope. Astrophysical Journal, 2006, 649, L17-L20.	4.5	31
23	The Slowly Expanding Envelope of CRL 618 Probed with HC3N Rotational Ladders. Astrophysical Journal, 2004, 615, 495-505.	4.5	29
24	Microwave polarized signatures generated within cloud systems: Special Sensor Microwave Imager (SSM/I) observations interpreted with radiative transfer simulations. Journal of Geophysical Research, 2001, 106, 28243-28258.	3.3	28
25	Comparisons of the Millimeter and Submillimeter Bands for Atmospheric Temperature and Water Vapor Soundings for Clear and Cloudy Skies. Journal of Applied Meteorology and Climatology, 2006, 45, 1622-1633.	1.5	24
26	Understanding the chemical complexity in Circumstellar Envelopes of C-Rich AGB stars: the case of IRC +10216. Astrophysics and Space Science, 2008, 313, 229-233.	1.4	24
27	Measured telluric continuum-like opacity beyond 1THz. Journal of Quantitative Spectroscopy and Radiative Transfer, 2005, 96, 537-545.	2.3	17
28	Anatomy of HH 111 from CO Observations: A Bowâ€Shockâ€driven Molecular Outflow. Astrophysical Journal, 2007, 658, 498-508.	4.5	15
29	Sideâ€byâ€Side Comparison of Fourier Transform Spectroscopy and Water Vapor Radiometry as Tools for the Calibration of Millimeter/Submillimeter Groundâ€based Observatories. Astrophysical Journal, Supplement Series, 2004, 153, 363-367.	7.7	14
30	Time-dependent molecular emission in IRC + 10216. Astronomy and Astrophysics, 2018, 615, L4.	5.1	14
31	Clues to NaCN formation. Astronomy and Astrophysics, 2017, 607, L5.	5.1	10
32	Broadband submillimeter measurements of the full Moon center brightness temperature and application to a lunar eclipse. Icarus, 2005, 178, 19-26.	2.5	8
33	Dissociative Shocks in the Neighborhood of Orion IRc2 Traced with Atomic Carbon. Astrophysical Journal, 2005, 634, L61-L64.	4.5	7
34	European Minor Constituent Radiometer: A New Millimeter Wave Receiver for Atmospheric Research. Journal of Infrared, Millimeter and Terahertz Waves, 2001, 22, 1555-1575.	0.6	6
35	Microwave temperature and pressure measurements with the Odin satellite: I. Observational method. Canadian Journal of Physics, 2002, 80, 443-454.	1.1	6
36	REMOTE SENSING OF THE MESOSPHERIC TEMPERATURE PROFILE FROM CLOSE-TO-NADIR OBSERVATIONS: DISCUSSION ABOUT THE CAPABILITIES OF THE 57.5â€“62.5GHz FREQUENCY BAND AND THE 118.75GHz SINGLE O2 LINE. Journal of Quantitative Spectroscopy and Radiative Transfer, 1998, 60, 559-571.	2.3	4

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37	Ground-based spectroscopic observations of atmospheric ozone from 142 to 359 GHz in southern Europe. Journal of Geophysical Research, 1998, 103, 6189-6202.	3.3	4
38	The molecular hydrogen explorer H2EX. Experimental Astronomy, 2009, 23, 277-302.	3.7	4
39	CASPER: Concordia Atmospheric SPectroscopy of Emitted Radiation. EAS Publications Series, 2005, 14, 233-238.	0.3	1
40	Ground-based measurements of the 1.3 to 0.3Âmm spectrum of Jupiter and Saturn, and their detailed calibration. Icarus, 2017, 290, 150-155.	2.5	1
41	Microwave remote sensing to help astronomical observations: the Atacama Large Millimeter Array project. Proceedings of SPIE, 2008, , .	0.8	0