

Pere Planesas

List of Publications by Year in descending order

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65
papers

3,111
citations

172457

29
h-index

149698

56
g-index

65
all docs

65
docs citations

65
times ranked

2656
citing authors

#	ARTICLE	IF	CITATIONS
1	The <i>Herschel</i> -Heterodyne Instrument for the Far-Infrared (HIFI). <i>Astronomy and Astrophysics</i> , 2010, 518, L6.	5.1	557
2	Molecular line emission in NGC 1068 imaged with ALMA. <i>Astronomy and Astrophysics</i> , 2014, 567, A125.	5.1	330
3	Star-formation laws in luminous infrared galaxies. <i>Astronomy and Astrophysics</i> , 2012, 539, A8.	5.1	138
4	Evidence of enhanced star formation efficiency in luminous and ultraluminous infrared galaxies. <i>Astronomy and Astrophysics</i> , 2008, 479, 703-717.	5.1	136
5	S[<i>CLC</i>] <i>i</i> [/ <i>CLC</i>]O Emission from the Galactic Center Molecular Clouds. <i>Astrophysical Journal</i> , 1997, 482, L45-L48.	4.5	133
6	Is HCN a True Tracer of Dense Molecular Gas in Luminous and Ultraluminous Infrared Galaxies?. <i>Astrophysical Journal</i> , 2006, 640, L135-L138.	4.5	133
7	Molecular line emission in NGC 1068 imaged with ALMA. <i>Astronomy and Astrophysics</i> , 2014, 570, A28.	5.1	107
8	Strong absorption by interstellar hydrogen fluoride: <i>Herschel</i> /HIFI observations of the sight-line to G10.6 \hat{e} 0.4 (W31C). <i>Astronomy and Astrophysics</i> , 2010, 518, L108.	5.1	90
9	High-resolution aperture synthesis of molecular gas in NGC 1068. <i>Astrophysical Journal</i> , 1991, 369, 364.	4.5	83
10	Circumstellar disks around Herbig Be stars. <i>Astronomy and Astrophysics</i> , 2009, 497, 117-136.	5.1	82
11	Nitrogen hydrides in interstellar gas. <i>Astronomy and Astrophysics</i> , 2010, 521, L45.	5.1	68
12	Molecular gas in low-metallicity starburst galaxies:. <i>Astronomy and Astrophysics</i> , 2016, 588, A23.	5.1	65
13	<i>Herschel</i> /HIFI observations of O-rich AGB stars: molecular inventory. <i>Astronomy and Astrophysics</i> , 2012, 537, A144.	5.1	62
14	A New Probe of Dense Gas at High Redshift: Detection of HCO + (5-4) Line Emission in APM 08279+5255. <i>Astrophysical Journal</i> , 2006, 645, L17-L20.	4.5	59
15	Millimetron \hat{e} a large Russian-European submillimeter space observatory. <i>Experimental Astronomy</i> , 2009, 23, 221-244.	3.7	58
16	Gas filaments in the collisional debris of NGC 4438. <i>Astrophysical Journal</i> , 1995, 438, 135.	4.5	55
17	CH ⁺ (1 \hat{e} 0) and ¹³ CH ⁺ (1 \hat{e} 0) absorption lines in the direction of massive star-forming regions. <i>Astronomy and Astrophysics</i> , 2010, 521, L15.	5.1	49
18	Water content and wind acceleration in the envelope around the oxygen-rich AGB star IK Tauri as seen by <i>Herschel</i> /HIFI. <i>Astronomy and Astrophysics</i> , 2010, 521, L4.	5.1	49

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19	Detection of HNC and tentative detection of CN at $z = 3.9$. <i>Astronomy and Astrophysics</i> , 2007, 462, L45-L48.	5.1	48
20	Positions of the radio recombination line masers in MWC 349. <i>Astrophysical Journal</i> , 1992, 386, L23.	4.5	45
21	The wind of W Hydrae as seen by <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2014, 561, A5.	5.1	41
22	A CO Survey of Young Planetary Nebulae. <i>Astrophysical Journal, Supplement Series</i> , 2005, 160, 272-285.	7.7	37
23	CHEMICALLY DISTINCT NUCLEI AND OUTFLOWING SHOCKED MOLECULAR GAS IN Arp 220. <i>Astrophysical Journal</i> , 2015, 800, 25.	4.5	34
24	High-velocity extended molecular outflow in the star-formation dominated luminous infrared galaxy ESO 320-G030. <i>Astronomy and Astrophysics</i> , 2016, 594, A81.	5.1	34
25	THE WIDESPREAD OCCURRENCE OF WATER VAPOR IN THE CIRCUMSTELLAR ENVELOPES OF CARBON-RICH ASYMPTOTIC GIANT BRANCH STARS: FIRST RESULTS FROM A SURVEY WITH <i>HERSCHEL</i> /HIFI. <i>Astrophysical Journal Letters</i> , 2011, 727, L29.	8.3	33
26	The molecular envelope of Mira. <i>Astrophysical Journal</i> , 1990, 351, 263.	4.5	33
27	Six years of short-spaced monitoring of the $v=1$ and $v=2$, $J=1-0$ ^{28}SiO maser emission in evolved stars. <i>Astronomy and Astrophysics</i> , 1999, 139, 461-482.	2.1	32
28	A Keplerian Gaseous Disk around the B0 Star R Monocerotis. <i>Astrophysical Journal</i> , 2006, 649, L119-L122.	4.5	29
29	The wind of W Hydrae as seen by <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2014, 570, A67.	5.1	29
30	Chemical study of intermediate-mass (IM) Class 0 protostars. <i>Astronomy and Astrophysics</i> , 2010, 518, A52.	5.1	26
31	<i>Herschel</i> /HIFI deepens the circumstellar NH_3 enigma. <i>Astronomy and Astrophysics</i> , 2010, 521, L7.	5.1	25
32	Asymmetric outflow in the molecular envelope of Mira. <i>Astrophysical Journal</i> , 1990, 364, L9.	4.5	25
33	<i>Herschel</i> /HIFI observations of molecular emission in protoplanetary nebulae and young planetary nebulae. <i>Astronomy and Astrophysics</i> , 2012, 537, A8.	5.1	24
34	A non-LTE radiative transfer model to study ionized outflows and disks. The case of MWC349A. <i>Astronomy and Astrophysics</i> , 2013, 553, A45.	5.1	23
35	High-resolution CO observations of luminous infrared galaxies with large $L(\text{ir})/L(\text{B})$ ratios - IRAS 10173 + 0828, ZW 049.057, IRAS 17208 - 0014. <i>Astrophysical Journal</i> , 1991, 370, 172.	4.5	23
36	The <i>Herschel</i> -Heterodyne Instrument for the Far-Infrared (HIFI). <i>EAS Publications Series</i> , 2009, 34, 3-20.	0.3	21

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37	<i>Herschel</i> /HIFI observations of high- <i>J</i> CO transitions in the protoplanetary nebula CRL 618. <i>Astronomy and Astrophysics</i> , 2010, 521, L3.	5.1	20
38	Tentative Detection of CO[TSUP]+/[TSUP] toward Cygnus A. <i>Astrophysical Journal</i> , 2000, 545, L113-L116.	4.5	20
39	Molecular gas in type 2 quasars at $z \approx 0.2-0.3$ <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 978-991.	4.4	19
40	HIFISTARS <i>Herschel</i> /HIFI observations of VY Canis Majoris. <i>Astronomy and Astrophysics</i> , 2013, 559, A93.	5.1	18
41	Disk and wind kinematics in MWC 349A. <i>Astronomy and Astrophysics</i> , 2011, 530, L15.	5.1	18
42	Simulated Ratio Recombination Line Emission at 1.3 Centimeters toward MWC 349. <i>Astrophysical Journal</i> , 1993, 418, L79.	4.5	18
43	The <i>Herschel</i> -Heterodyne Instrument for the Far-Infrared (HIFI): instrument and pre-launch testing. <i>Proceedings of SPIE</i> , 2008, , .	0.8	17
44	Sub-kpc star formation law in the local luminous infrared galaxy IC 4687 as seen by ALMA. <i>Astronomy and Astrophysics</i> , 2016, 587, A44.	5.1	16
45	<i>Herschel</i> /HIFI observations of red supergiants and yellow hypergiants. <i>Astronomy and Astrophysics</i> , 2012, 545, A99.	5.1	16
46	Gas-Rich Galaxy Pair Unveiled in the Lensed Quasar 0957+561. <i>Science</i> , 1999, 286, 2493-2495.	12.6	15
47	Discovery of water vapour in the carbon star V Cygni from observations with <i>Herschel</i> /HIFI. <i>Astronomy and Astrophysics</i> , 2010, 521, L5.	5.1	15
48	<i>Herschel</i> /HIFI observations of the circumstellar ammonia lines in IRC+10216. <i>Astronomy and Astrophysics</i> , 2016, 592, A131.	5.1	13
49	Dense molecular gas in a sample of LIRGs and ULIRGs: The low-redshift connection to the huge high-redshift starbursts and AGNs. <i>Astrophysics and Space Science</i> , 2008, 313, 331-335.	1.4	12
50	Origin of the ionized wind in MWC 349A. <i>Astronomy and Astrophysics</i> , 2014, 571, L4.	5.1	12
51	Polarisation observations of VY Canis Majoris H ₂ O 5 ₃₂ -4 ₄₁ 620.701 GHz maser emission with HIFI. <i>Astronomy and Astrophysics</i> , 2010, 521, L51.	5.1	12
52	The Dusty Disk around VV Serpens. <i>Astrophysical Journal</i> , 2008, 680, 1289-1294.	4.5	11
53	Q0957+561 revised: CO emission from a disk at $z = 1.4$. <i>Astronomy and Astrophysics</i> , 2005, 431, 879-886.	5.1	9
54	The radio continuum spectrum of Mira A and Mira B up to submillimeter wavelengths. <i>Astronomy and Astrophysics</i> , 2016, 586, A69.	5.1	9

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55	A HIFI preview of warm molecular gas around κ Cygni: first detection of H_2O emission toward an S-type AGB star. <i>Astronomy and Astrophysics</i> , 2010, 521, L6.	5.1	7
56	Search for OH megamaser emission from the FIR ultraluminous radio galaxy 4C 12.50. <i>Astronomical Journal</i> , 1990, 100, 1457.	4.7	6
57	Sub-arcsecond $\text{CO}(1\rightarrow 0)$ and $\text{CO}(2\rightarrow 1)$ observations of the ultraluminous infrared galaxy IRAS 10190+1322. <i>Astronomy and Astrophysics</i> , 2007, 468, L67-L70.	5.1	4
58	ALMA array element astronomical verification. , 2012, , .		3
59	Molecular gas in young planetary nebulae. <i>Astrophysics and Space Science</i> , 1990, 171, 195-198.	1.4	2
60	Extragalactic chemistry of molecular gas: lessons from the local universe. <i>Faraday Discussions</i> , 2006, 133, 33-42.	3.2	1
61	Reconstructing the astronomical heritage. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 510-513.	0.0	1
62	Molecular line probes of activity in galaxies. <i>EAS Publications Series</i> , 2008, 31, 85-88.	0.3	1
63	CS observations of selected star-forming regions. <i>Astrophysics and Space Science</i> , 1989, 156, 251-256.	1.4	0
64	Silicon bearing molecules in molecular clouds. , 1989, , 130-130.		0
65	High density tracers in outflow regions: NH_3 vs. CS. <i>Astrophysics and Space Science</i> , 1994, 216, 151-152.	1.4	0