

Christine Joblin

List of Publications by Year in descending order

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217
papers

9,209
citations

34076

52
h-index

49868

87
g-index

219
all docs

219
docs citations

219
times ranked

5002
citing authors

#	ARTICLE	IF	CITATIONS
1	Infrared spectroscopy of the benzylium-like (and tropylium-like) isomers formed in the H^+ dissociative ionization of methylated PAHs. <i>Journal of Molecular Spectroscopy</i> , 2022, 385, 111620.	0.4	9
2	PDRs4All: A JWST Early Release Science Program on Radiative Feedback from Massive Stars. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 054301.	1.0	26
3	Detection of Cosmic Fullerenes in the Almahata Sitta Meteorite: Are They an Interstellar Heritage?. <i>Astrophysical Journal</i> , 2022, 931, 91.	1.6	7
4	Water Attachment onto Size-Selected Cationic Pyrene Clusters. <i>Journal of Physical Chemistry A</i> , 2022, 126, 3696-3707.	1.1	5
5	Molecular content of nascent soot: Family characterization using two-step laser desorption laser ionization mass spectrometry. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 1241-1248.	2.4	16
6	Experimental and theoretical study of photo-dissociation spectroscopy of pyrene dimer radical cations stored in a compact electrostatic ion storage ring. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 6017-6028.	1.3	3
7	Impact of Metals on (Star)Dust Chemistry: A Laboratory Astrophysics Approach. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	1.1	2
8	The impact and recovery of asteroid 2018 LA. <i>Meteoritics and Planetary Science</i> , 2021, 56, 844-893.	0.7	21
9	Anharmonic infrared spectra of thermally excited pyrene ($\text{C}_{16}\text{H}_{10}$): A combined view of DFT-based CVPT2 with AnharmonicCaOs, and approximate DFT molecular dynamics with demonNano. <i>Journal of Molecular Spectroscopy</i> , 2021, 378, 111466.	0.4	12
10	Photodissociation of aliphatic PAH derivatives under relevant astrophysical conditions. <i>Astronomy and Astrophysics</i> , 2021, 652, A42.	2.1	8
11	Prevalence of non-aromatic carbonaceous molecules in the inner regions of circumstellar envelopes. <i>Nature Astronomy</i> , 2020, 4, 97-105.	4.2	48
12	Photo-processing of astro-PAHs. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 062002.	0.3	12
13	Radiative cooling dynamics of anthracene cations stored in DESIREE studied via the time evolution of 2-photon-absorption induced dissociation rate. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 232013.	0.3	0
14	Astrochemical relevance of VUV ionization of large PAH cations. <i>Astronomy and Astrophysics</i> , 2020, 641, A98.	2.1	25
15	Threshold collision induced dissociation of pyrene cluster cations. <i>Journal of Chemical Physics</i> , 2020, 153, 054311.	1.2	11
16	A Decade with VAMDC: Results and Ambitions. <i>Atoms</i> , 2020, 8, 76.	0.7	53
17	The Chemistry of Cosmic Dust Analogs from C , C_2 , and C_2H_2 in C-rich Circumstellar Envelopes. <i>Astrophysical Journal</i> , 2020, 895, 97.	1.6	30
18	Time-resolved analysis of the precursor fragmentation kinetics in an hybrid PVD/PECVD dusty plasma with pulsed injection of HMDSO. <i>Plasma Processes and Polymers</i> , 2019, 16, 1900044.	1.6	9

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19	Electron correlation-driven non-adiabatic relaxation in molecules excited by an ultrashort extreme ultraviolet pulse. <i>Nature Communications</i> , 2019, 10, 337.	5.8	52
20	Experimental Approach to the Study of Anharmonicity in the Infrared Spectrum of Pyrene from 14 to 723 K. <i>Journal of Physical Chemistry A</i> , 2019, 123, 4139-4148.	1.1	8
21	Multi-scale investigation in the frequency domain of Ar/HMDSO dusty plasma with pulsed injection of HMDSO. <i>Plasma Sources Science and Technology</i> , 2019, 28, 055019.	1.3	15
22	Characterization of large carbonaceous molecules in cosmic dust analogues and meteorites. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 103-106.	0.0	2
23	Photoprocessing of large PAH cations. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 388-389.	0.0	0
24	Using cold plasma to investigate the mechanisms involved in cosmic dust formation: Role of the C/O ratio and metals. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 297-300.	0.0	1
25	Thermal evaporation of pyrene clusters. <i>Journal of Chemical Physics</i> , 2019, 151, 194303.	1.2	18
26	Learning mid-IR emission spectra of polycyclic aromatic hydrocarbon populations from observations. <i>Astronomy and Astrophysics</i> , 2019, 632, A84.	2.1	11
27	Unimolecular reaction energies for polycyclic aromatic hydrocarbon ions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7195-7205.	1.3	51
28	Detecting the building blocks of aromatics. <i>Science</i> , 2018, 359, 156-157.	6.0	14
29	Identification of the fragment of the 1-methylpyrene cation by mid-IR spectroscopy. <i>Chemical Physics Letters</i> , 2018, 698, 206-210.	1.2	17
30	Investigating the importance of edge-structure in the loss of H/H ₂ of PAH cations: The case of dibenzopyrene isomers. <i>International Journal of Mass Spectrometry</i> , 2018, 429, 189-197.	0.7	17
31	Using radio astronomical receivers for molecular spectroscopic characterization in astrochemical laboratory simulations: A proof of concept. <i>Astronomy and Astrophysics</i> , 2018, 609, A15.	2.1	12
32	Structure of photodissociation fronts in star-forming regions revealed by <i>Herschel</i> observations of high-J CO emission lines. <i>Astronomy and Astrophysics</i> , 2018, 615, A129.	2.1	56
33	Direct Evidence of the Benzylum and Tropylium Cations as the Two Long-Lived Isomers of C ₇ H ₇ ⁺ . <i>ChemPhysChem</i> , 2018, 19, 3182-3185.	1.0	20
34	Anharmonic vibrational spectroscopy of polycyclic aromatic hydrocarbons (PAHs). <i>Journal of Chemical Physics</i> , 2018, 149, 144102.	1.2	25
35	Circumstellar chemistry of Si-C bearing molecules in the C-rich AGB star IRC+10216. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 535-537.	0.0	4
36	Precisely controlled fabrication, manipulation and in-situ analysis of Cu based nanoparticles. <i>Scientific Reports</i> , 2018, 8, 7250.	1.6	27

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37	Spatial distribution of far-infrared rotationally excited CH ⁺ and OH emission lines in the Orion Bar photodissociation region. <i>Astronomy and Astrophysics</i> , 2017, 599, A20.	2.1	17
38	<i>Herschel</i>/HIFI spectral line survey of the Orion Bar. <i>Astronomy and Astrophysics</i> , 2017, 599, A22.	2.1	27
39	Cooling of isolated anthracene cations probed with photons of different wavelengths in the Mini-Ring. <i>Journal of Chemical Physics</i> , 2017, 146, 044301.	1.2	14
40	Growth of carbon chains in IRC+10216 mapped with ALMA. <i>Astronomy and Astrophysics</i> , 2017, 601, A4.	2.1	60
41	Detection of buckminsterfullerene emission in the diffuse interstellar medium. <i>Astronomy and Astrophysics</i> , 2017, 605, L1.	2.1	47
42	Size Effect in the Ionization Energy of PAH Clusters. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3697-3702.	2.1	40
43	Identification of PAH Isomeric Structure in Cosmic Dust Analogs: The AROMA Setup. <i>Astrophysical Journal</i> , 2017, 843, 34.	1.6	29
44	The ESO Diffuse Interstellar Bands Large Exploration Survey (EDIBLES). <i>Astronomy and Astrophysics</i> , 2017, 606, A76.	2.1	36
45	Stability of dimer and trimer of Naphthalene studied in electrostatic storage Mini-Ring.. <i>Journal of Physics: Conference Series</i> , 2017, 875, 102007.	0.3	0
46	The ALMA view of UV-irradiated cloud edges: unexpected structures and processes. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 210-217.	0.0	2
47	<i>Herschel</i> survey and modelling of externally-illuminated photoevaporating protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2017, 604, A69.	2.1	13
48	PAH and H ₂ emission in the Ring Nebula. <i>Journal of Physics: Conference Series</i> , 2016, 728, 032011.	0.3	0
49	VUV PHOTO-PROCESSING OF PAH CATIONS: QUANTITATIVE STUDY ON THE IONIZATION VERSUS FRAGMENTATION PROCESSES. <i>Astrophysical Journal</i> , 2016, 822, 113.	1.6	61
50	The virtual atomic and molecular data centre (VAMDC) consortium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 074003.	0.6	120
51	Experimental study of nanoparticle formation dynamics in HMDSO-Ar asymmetric capacitively-coupled radiofrequency plasma with application to deposition of nanocomposite layers. , 2016, , .		0
52	An optical spectrum of a large isolated gas-phase PAH cation: C ₇₈ H ⁺ C_{78}H^+ <i>Molecular Astrophysics</i> , 2016, 2, 12-17.	1.7	4
53	Compression and ablation of the photo-irradiated molecular cloud the Orion Bar. <i>Nature</i> , 2016, 537, 207-209.	13.7	94
54	Top-down formation of fullerenes in the interstellar medium <i>(Corrigendum)</i>. <i>Astronomy and Astrophysics</i> , 2016, 588, C1.	2.1	2

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55	Dissociation rate, fluorescence and Infrared radiative cooling rates of Naphthalene studied in electrostatic storage Miniring. <i>Journal of Physics: Conference Series</i> , 2015, 635, 032051.	0.3	1
56	PAH radiative cooling and fragmentation kinematics studied within an electrostatic ring. <i>Journal of Physics: Conference Series</i> , 2015, 583, 012042.	0.3	0
57	The chemistry and spatial distribution of small hydrocarbons in UV-irradiated molecular clouds: the Orion Bar PDR(Corrigendum). <i>Astronomy and Astrophysics</i> , 2015, 579, C1.	2.1	1
58	Very Large Telescope observations of Gomez's Hamburger: Insights into a young protoplanet candidate. <i>Astronomy and Astrophysics</i> , 2015, 578, L8.	2.1	3
59	Circumstellar disks around Herbig Be stars (Corrigendum). <i>Astronomy and Astrophysics</i> , 2015, 577, C2.	2.1	0
60	The chemistry and spatial distribution of small hydrocarbons in UV-irradiated molecular clouds: the Orion Bar PDR. <i>Astronomy and Astrophysics</i> , 2015, 575, A82.	2.1	95
61	Top-down formation of fullerenes in the interstellar medium. <i>Astronomy and Astrophysics</i> , 2015, 577, A133.	2.1	114
62	Cationic Methylene-Pyrene Isomers and Isomerization Pathways: Finite Temperature Theoretical Studies. <i>Journal of Physical Chemistry A</i> , 2015, 119, 12845-12854.	1.1	25
63	Fast radiative cooling of anthracene: Dependence on internal energy. <i>Physical Review A</i> , 2015, 92, .	1.0	25
64	The cooling of naphthalene cations studied within an electrostatic storage ring. <i>Journal of Physics: Conference Series</i> , 2015, 583, 012038.	0.3	4
65	LABORATORY PHOTO-CHEMISTRY OF PAHs: IONIZATION VERSUS FRAGMENTATION. <i>Astrophysical Journal Letters</i> , 2015, 804, L7.	3.0	49
66	Polycyclic aromatic hydrocarbons and molecular hydrogen in oxygen-rich planetary nebulae: the case of NGC 6720. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 456, L89-L93.	1.2	17
67	Mixed aliphatic and aromatic composition of evaporating very small grains in NGC 7023 revealed by the 3.4/3.3 μm ratio. <i>Astronomy and Astrophysics</i> , 2015, 577, A16.	2.1	53
68	Kinematics of the ionized-to-neutral interfaces in Monoceros R2. <i>Astronomy and Astrophysics</i> , 2014, 561, A69.	2.1	17
69	Absolute evaporation rates of non-rotating neutral polycyclic aromatic hydrocarbon clusters. <i>Astronomy and Astrophysics</i> , 2014, 567, A45.	2.1	19
70	Photoionization of cold gas phase coronene and its clusters: Autoionization resonances in monomer, dimer, and trimer and electronic structure of monomer cation. <i>Journal of Chemical Physics</i> , 2014, 141, 164325.	1.2	27
71	Dissociation of the Anthracene Radical Cation: A Comparative Look at iPEPICO and Collision-Induced Dissociation Mass Spectrometry Results. <i>Journal of Physical Chemistry A</i> , 2014, 118, 9870-9878.	1.1	24
72	Photodissociation of Pyrene Cations: Structure and Energetics from $\text{C}_{16}\text{H}_{10}^{+}$ to C_{14}^{+} and Almost Everything in Between. <i>Journal of Physical Chemistry A</i> , 2014, 118, 7824-7831.	1.1	60

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73	Dynamics of Hydrogen and Methyl Radical Loss from Ionized Dihydro-Polycyclic Aromatic Hydrocarbons: A Tandem Mass Spectrometry and Imaging Photoelectronâ€“Photoion Coincidence (iPEPICO) Study of Dihydronaphthalene and Dihydrophenanthrene. <i>Journal of Physical Chemistry A</i> , 2014, 118, 1807-1816.	1.1	19
74	Physical structure of the photodissociation regions in NGC 7023. <i>Astronomy and Astrophysics</i> , 2014, 569, A109.	2.1	20
75	Time evolution of internal energy distribution of Anthracene studied in an electrostatic storage ring, the Mini-Ring. <i>Journal of Physics: Conference Series</i> , 2014, 488, 012039.	0.3	3
76	Time Evolution of the internal energy distribution of molecules studied in an electrostatic storage ring, the Mini-Ring. <i>Journal of Physics: Conference Series</i> , 2014, 488, 102011.	0.3	0
77	Fast Radiative Cooling of Anthracene Observed in a Compact Electrostatic Storage Ring. <i>Physical Review Letters</i> , 2013, 110, 063003.	2.9	101
78	Evolution of polycyclic aromatic hydrocarbons in photodissociation regions. <i>Astronomy and Astrophysics</i> , 2013, 552, A15.	2.1	127
79	Probing the role of polycyclic aromatic hydrocarbons in the photoelectric heating within photodissociation regions. <i>Astronomy and Astrophysics</i> , 2013, 553, A2.	2.1	35
80	UNVEILING THE DUST NUCLEATION ZONE OF IRC+10216 WITH ALMA. <i>Astrophysical Journal Letters</i> , 2013, 778, L25.	3.0	60
81	Detection of the Buckminsterfullerene Cation (C_{60}^{+}) in Space. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 203-207.	0.0	1
82	A Novel Approach to the Detection and Characterization of PAH Cations and PAH-Photoproducts. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 286-290.	0.0	4
83	An overview of the PAHTAT toolbox. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 208-210.	0.0	0
84	The chemistry of ions in the Orion Bar I. â€“ CH^{+} , SH^{+} , and CF^{+} . <i>Astronomy and Astrophysics</i> , 2013, 550, A96.	2.1	75
85	Interstellar C_{60}^{+} . <i>Astronomy and Astrophysics</i> , 2013, 550, L4.	2.1	100
86	Spatial distribution of small hydrocarbons in the neighborhood of the ultra compact HII region Monoceros R2. <i>Astronomy and Astrophysics</i> , 2013, 554, A87.	2.1	29
87	Near-Infrared Spectroscopy of the Diffuse Galactic Emission. <i>Proceedings of the International Astronomical Union</i> , 2012, 10, 703-704.	0.0	0
88	Unidentified Infrared Emission Features. <i>Proceedings of the International Astronomical Union</i> , 2012, 10, 699-700.	0.0	1
89	On the Dissociation of the Naphthalene Radical Cation: New iPEPICO and Tandem Mass Spectrometry Results. <i>Journal of Physical Chemistry A</i> , 2012, 116, 10999-11007.	1.1	69
90	Chemistry of C_3 and carbon chain molecules in DR21(OH). <i>Astronomy and Astrophysics</i> , 2012, 546, A75.	2.1	33

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91	Spectral line survey of the ultracompact HII region Monoceros R2. <i>Astronomy and Astrophysics</i> , 2012, 543, A27.	2.1	36
92	<i>Herschel</i> /HIFI observations of CO, H ₂ O and NH ₃ in Monoceros R2. <i>Astronomy and Astrophysics</i> , 2012, 544, A110.	2.1	23
93	Spatial variation of the cooling lines in the Orion Bar from <i>Herschel</i> /PACS. <i>Astronomy and Astrophysics</i> , 2012, 538, A37.	2.1	42
94	Evaporating very small grains as tracers of the UV radiation field in photo-dissociation regions. <i>Astronomy and Astrophysics</i> , 2012, 542, A69.	2.1	100
95	INVESTIGATION OF PAHs IN GALACTIC PLANETARY NEBULAE WITH THE AKARI/IRC AND THE SPITZER/IRS. <i>Publications of the Korean Astronomical Society</i> , 2012, 27, 259-260.	0.1	1
96	OH emission from warm and dense gas in the Orion Bar PDR. <i>Astronomy and Astrophysics</i> , 2011, 530, L16.	2.1	54
97	<i>Herschel</i> observations of EXtra-Ordinary Sources (HEXOS): Methanol as a probe of physical conditions in Orion KL. <i>Astronomy and Astrophysics</i> , 2011, 527, A95.	2.1	42
98	Excitation of H ₂ in photodissociation regions as seen by <i>Spitzer</i> . <i>Astronomy and Astrophysics</i> , 2011, 527, A122.	2.1	58
99	Threshold photoelectron study of naphthalene, anthracene, pyrene, 1,2-dihydronaphthalene, and 9,10-dihydroanthracene. <i>Journal of Chemical Physics</i> , 2011, 134, 244312.	1.2	42
100	VAMDC "The Virtual Atomic and Molecular Data Centre" A New Way to Disseminate Atomic and Molecular Data "VAMDC Level 1 Release. <i>AIP Conference Proceedings</i> , 2011, , .	0.3	24
101	The shape of Mid-IR PAH bands in the Universe. <i>EAS Publications Series</i> , 2011, 46, 49-54.	0.3	1
102	Search for far-IR PAH bands with <i>Herschel</i> : modelling and observational approaches. <i>EAS Publications Series</i> , 2011, 46, 123-130.	0.3	10
103	PAH-related Very Small Grains in photodissociation regions: implications from molecular simulations. <i>EAS Publications Series</i> , 2011, 46, 223-234.	0.3	0
104	Near-Infrared Spectroscopy of Interstellar Dust. <i>EAS Publications Series</i> , 2011, 46, 399-405.	0.3	3
105	Modelling the physical and chemical evolution of PAHs and PAH-related species in astrophysical environments. <i>EAS Publications Series</i> , 2011, 46, 447-452.	0.3	2
106	The WADI key project: New insights to photon-dominated regions from <i>Herschel</i> observations. <i>EAS Publications Series</i> , 2011, 52, 181-186.	0.3	9
107	PDR properties and spatial structures probed by <i>Herschel</i> and <i>Spitzer</i> spectroscopy. <i>EAS Publications Series</i> , 2011, 52, 293-294.	0.3	0
108	Polycyclic Aromatic Hydrocarbons and the Extinction Curve. <i>EAS Publications Series</i> , 2011, 46, 327-340.	0.3	2

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109	[FePAH] ⁺ complexes and [Fe _x PAH _y] ⁺ clusters in the interstellar medium: stability and spectroscopy. EAS Publications Series, 2011, 46, 441-446.	0.3	2
110	Confirmation of C ₆ O in the Reflection Nebula NGC 7023. EAS Publications Series, 2011, 46, 209-214.	0.3	9
111	Interstellar CH absorption in the diffuse interstellar medium along the sight-lines to G10.6±0.4 (W31C), W49N, and W51. Astronomy and Astrophysics, 2010, 521, L16.	2.1	77
112	First detection of the methyldyne cation (CH ⁺) fundamental rotational line with the <i>Herschel</i> /SPIRE FTS. Astronomy and Astrophysics, 2010, 518, L117.	2.1	35
113	Strong absorption by interstellar hydrogen fluoride: <i>Herschel</i> /HIFI observations of the sight-line to G10.6±0.4 (W31C). Astronomy and Astrophysics, 2010, 518, L108.	2.1	90
114	<i>Herschel</i> observations of EXtra-Ordinary Sources (HEXOS): Detection of hydrogen fluoride in absorption towards Orion-ÅKL. Astronomy and Astrophysics, 2010, 518, L109.	2.1	48
115	Interstellar OH ⁺ , H ₂ O ⁺ and H ₃ O ⁺ along the sight-line to G10.6±0.4. Astronomy and Astrophysics, 2010, 518, L110.	2.1	155
116	<i>Herschel</i> -SPIRE spectroscopy of the DR21 molecular cloud core. Astronomy and Astrophysics, 2010, 518, L114.	2.1	15
117	SPIRE spectroscopy of the prototypical Orion Bar photodissociation region. Astronomy and Astrophysics, 2010, 518, L116.	2.1	59
118	<i>Herschel</i> -SPIRE observations of the Polaris flare: Structure of the diffuse interstellar medium at the sub-parsec scale. Astronomy and Astrophysics, 2010, 518, L104.	2.1	136
119	HIFI observations of warm gas in DR21: Shock versus radiative heating. Astronomy and Astrophysics, 2010, 518, L79.	2.1	17
120	<i>Herschel</i> observations in the ultracompact HII region Mon-ÅR2. Astronomy and Astrophysics, 2010, 521, L23.	2.1	13
121	Excitation and abundance of C ₃ in star forming cores. Astronomy and Astrophysics, 2010, 521, L13.	2.1	30
122	<i>Herschel</i> observations of EXtra-Ordinary Sources (HEXOS): detecting spiral arm clouds by CH absorption lines. Astronomy and Astrophysics, 2010, 521, L14.	2.1	27
123	CH ⁺ (1±0) and ¹³ CH ⁺ (1±0) absorption lines in the direction of massive star-forming regions. Astronomy and Astrophysics, 2010, 521, L15.	2.1	49
124	<i>Herschel</i> observations of deuterated water towards Sgr-ÅB2(M). Astronomy and Astrophysics, 2010, 521, L38.	2.1	12
125	Gas morphology and energetics at the surface of PDRs: New insights with <i>Herschel</i> observations of NGC 7023. Astronomy and Astrophysics, 2010, 521, L25.	2.1	30
126	<i>Herschel</i> /HIFI discovery of interstellar chloronium (H ₂ Cl ⁺). Astronomy and Astrophysics, 2010, 521, L9.	2.1	83

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127	<i>Herschel</i> observations of EXtra-Ordinary Sources (HEXOS): The present and future of spectral surveys with <i>Herschel</i> /HIFI. <i>Astronomy and Astrophysics</i> , 2010, 521, L20.	2.1	110
128	<i>Herschel</i> /HIFI measurements of the ortho/para ratio in water towards Sagittarius B2(M) and W31C. <i>Astronomy and Astrophysics</i> , 2010, 521, L26.	2.1	57
129	<i>Herschel</i> observations of EXtra-Ordinary Sources (HEXOS): Observations of H ₂ O and its isotopologues towards Orion KL. <i>Astronomy and Astrophysics</i> , 2010, 521, L27.	2.1	29
130	<i>Herschel</i> observations of ortho- and para-oxidaniumyl (H ₂ O ⁺) in spiral arm clouds toward Sagittarius B2(M). <i>Astronomy and Astrophysics</i> , 2010, 521, L11.	2.1	35
131	The origin of the [CII] emission in the S140 photon-dominated regions. New insights from HIFI. <i>Astronomy and Astrophysics</i> , 2010, 521, L24.	2.1	15
132	<i>Herschel</i> observations of EXtra-Ordinary Sources (HEXOS): The Terahertz spectrum of Orion KL seen at high spectral resolution. <i>Astronomy and Astrophysics</i> , 2010, 521, L21.	2.1	29
133	Nitrogen hydrides in interstellar gas. <i>Astronomy and Astrophysics</i> , 2010, 521, L45.	2.1	68
134	THE COMPUTED INFRARED SPECTRA OF A VARIETY OF [FePAH] ⁺ COMPLEXES: MID- AND FAR-INFRARED FEATURES. <i>Astrophysical Journal</i> , 2010, 712, 69-77.	1.6	27
135	Virtual atomic and molecular data centre. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2010, 111, 2151-2159.	1.1	164
136	Visible photodissociation spectroscopy of PAH cations and derivatives in the PIRENEA experiment. <i>Chemical Physics</i> , 2010, 371, 16-23.	0.9	40
137	Clouds, filaments, and protostars: The <i>Herschel</i> Hi-GAL Milky Way. <i>Astronomy and Astrophysics</i> , 2010, 518, L100.	2.1	573
138	Physical properties of the Sh2-104 H II region as seen by <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2010, 518, L80.	2.1	20
139	Dust temperature tracing the ISRF intensity in the Galaxy. <i>Astronomy and Astrophysics</i> , 2010, 518, L88.	2.1	151
140	<i>Herschel</i> /HIFI observations of interstellar OH ⁺ and H ₂ O ⁺ towards W49N: a probe of diffuse clouds with a small molecular fraction. <i>Astronomy and Astrophysics</i> , 2010, 521, L10.	2.1	143
141	Evolution of interstellar dust with <i>Herschel</i> . First results in the photodissociation regions of NGC 7023. <i>Astronomy and Astrophysics</i> , 2010, 518, L96.	2.1	43
142	The physical properties of the dust in the RCW 120 H II region as seen by <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2010, 518, L99.	2.1	51
143	Detection of hydrogen fluoride absorption in diffuse molecular clouds with <i>Herschel</i> /HIFI: an ubiquitous tracer of molecular gas. <i>Astronomy and Astrophysics</i> , 2010, 521, L12.	2.1	92
144	Detection of OH ⁺ and H ₂ O ⁺ towards Orion KL. <i>Astronomy and Astrophysics</i> , 2010, 521, L47.	2.1	40

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145	Hi-GAL: The Herschel Infrared Galactic Plane Survey. Publications of the Astronomical Society of the Pacific, 2010, 122, 314-325.	1.0	440
146	C ₆₀ IN REFLECTION NEBULAE. Astrophysical Journal Letters, 2010, 722, L54-L57.	3.0	295
147	Molecular Dynamics Simulations of Anharmonic Infrared Spectra of [SiPAH] ⁺ -Complexes. Journal of Physical Chemistry A, 2010, 114, 5846-5854.	1.1	36
148	Non-negative matrix factorization pansharpener of hyperspectral data: An application to mid-infrared astronomy. , 2010, , .		28
149	Herschel-SPIRE spectroscopy of G29.96-0.02: Fitting the full SED. Astronomy and Astrophysics, 2010, 518, L82.	2.1	15
150	Reversal of infall in SgrB2(M) revealed by Herschel/HIFI observations of HCN lines at THz frequencies. Astronomy and Astrophysics, 2010, 521, L46.	2.1	23
151	Circumstellar disks around Herbig Be stars. Astronomy and Astrophysics, 2009, 497, 117-136.	2.1	82
152	Signature of [SiPAH] ⁺ π -complexes in the interstellar medium. Astronomy and Astrophysics, 2009, 494, 969-976.	2.1	29
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