

Dariusz C Lis

List of Publications by Year in descending order

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214
papers

10,624
citations

19636

61
h-index

43868

91
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218
all docs

218
docs citations

218
times ranked

5088
citing authors

#	ARTICLE	IF	CITATIONS
1	HyGAL: Characterizing the Galactic Interstellar Medium with Observations of Hydrides and Other Small Molecules. I. Survey Description and a First Look Toward W3(OH), W3 IRS5, and NGC 7538 IRS1. <i>Astrophysical Journal</i> , 2022, 930, 141.	1.6	10
2	Star cluster formation in Orion A. <i>Publication of the Astronomical Society of Japan</i> , 2021, 73, S239-S255.	1.0	11
3	The CARMA-NRO Orion Surveyâ€™ Data Release. <i>Research Notes of the AAS</i> , 2021, 5, 55.	0.3	2
4	4GREATâ€™A Four-Color Receiver for High-Resolution Airborne Terahertz Spectroscopy. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2021, 11, 194-204.	2.0	9
5	Dual Local Oscillator SIS Receiver for Simultaneous Observations of Water Isotopologues in the Solar System. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2021, 11, 183-193.	2.0	1
6	The Core Mass Function in the Orion Nebula Cluster Region: What Determines the Final Stellar Masses?. <i>Astrophysical Journal Letters</i> , 2021, 910, L6.	3.0	15
7	Carbon-chain Chemistry versus Complex-organic-molecule Chemistry in Envelopes around Three Low-mass Young Stellar Objects in the Perseus Region. <i>Astrophysical Journal</i> , 2021, 910, 141.	1.6	6
8	Molecular composition of comet 46P/Wirtanen from millimetre-wave spectroscopy. <i>Astronomy and Astrophysics</i> , 2021, 648, A49.	2.1	20
9	High-resolution CARMA Observation of Molecular Gas in the North America and Pelican Nebulae. <i>Astronomical Journal</i> , 2021, 161, 229.	1.9	2
10	Water in star-forming regions: physics and chemistry from clouds to disks as probed by <i>Herschel</i> spectroscopy. <i>Astronomy and Astrophysics</i> , 2021, 648, A24.	2.1	98
11	The far-infrared spectroscopic surveyor (FIRSS). <i>Experimental Astronomy</i> , 2021, 51, 699-728.	1.6	6
12	Molecular composition of short-period comets from millimetre-wave spectroscopy: 21P/Giacobini-Zinner, 38P/Stephan-Oterma, 41P/Tuttle-Giacobini-Kresák, and 64P/Swift-Gehrels. <i>Astronomy and Astrophysics</i> , 2021, 651, A25.	2.1	5
13	The CARMA-NRO Orion Survey: Filament Formation via Collision-induced Magnetic Reconnectionâ€™the Stick in Orion A. <i>Astrophysical Journal</i> , 2021, 906, 80.	1.6	6
14	Leveraging the ALMA Atacama Compact Array for Cometary Science: An Interferometric Survey of Comet C/2015 ER61 (PanSTARRS) and Evidence for a Distributed Source of Carbon Monosulfide. <i>Astrophysical Journal</i> , 2021, 921, 14.	1.6	8
15	Chemical Compositions in the Vicinity of Protostars in Ophiuchus. <i>Astrophysical Journal</i> , 2021, 922, 152.	1.6	4
16	Distribution of Water Vapor in Molecular Clouds. II. <i>Astrophysical Journal</i> , 2020, 892, 22.	1.6	5
17	Unusually high CO abundance of the first active interstellar comet. <i>Nature Astronomy</i> , 2020, 4, 861-866.	4.2	62
18	Reconstructing the EUV Spectrum of Star-forming Regions from Millimeter Recombination Lines of H i, He i, and He ii. <i>Astrophysical Journal</i> , 2020, 903, 29.	1.6	2

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19	The CARMA-NRO Orion Survey. <i>Astronomy and Astrophysics</i> , 2019, 623, A142.	2.1	45
20	Terrestrial deuterium-to-hydrogen ratio in water in hyperactive comets. <i>Astronomy and Astrophysics</i> , 2019, 625, L5.	2.1	78
21	The water line emission and ortho-to-para ratio in the Orion Bar photon-dominated region. <i>Astronomy and Astrophysics</i> , 2019, 632, A8.	2.1	15
22	Source - A Space Mission to Probe the Trail of Water. , 2019, , .		0
23	ALMA Autocorrelation Spectroscopy of Comets: The HCN/H ¹³ CN Ratio in C/2012 S1 (ISON). <i>Astrophysical Journal Letters</i> , 2019, 870, L26.	3.0	14
24	ALMA observations of the young protostellar system Barnard 1b: Signatures of an incipient hot corino in B1b-S. <i>Astronomy and Astrophysics</i> , 2018, 620, A80.	2.1	43
25	The CARMA-NRO Orion Survey. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 25.	3.0	64
26	ALMA Mapping of Rapid Gas and Dust Variations in Comet C/2012 S1 (ISON):New Insights into the Origin of Cometary HNC. <i>Astrophysical Journal</i> , 2017, 838, 147.	1.6	18
27	Survey of Cold Water Lines in Protoplanetary Disks: Indications of Systematic Volatile Depletion. <i>Astrophysical Journal</i> , 2017, 842, 98.	1.6	66
28	Thermal Physics of the Inner Coma: ALMA Studies of the Methanol Distribution and Excitation in Comet C/2012 K1 (PanSTARRS). <i>Astrophysical Journal</i> , 2017, 837, 177.	1.6	13
29	Deep, Broadband Spectral Line Surveys of Molecule-rich Interstellar Clouds. <i>Astrophysical Journal, Supplement Series</i> , 2017, 232, 3.	3.0	29
30	CO Spectral Line Energy Distributions in Galactic Sources: Empirical Interpretation of Extragalactic Observations [^] . <i>Astrophysical Journal</i> , 2017, 836, 117.	1.6	12
31	The physical and chemical structure of Sagittarius B2. <i>Astronomy and Astrophysics</i> , 2017, 604, A6.	2.1	59
32	Evidence for disks at an early stage in class 0 protostars?. <i>Astronomy and Astrophysics</i> , 2017, 606, A35.	2.1	22
33	Chemical segregation in the young protostars Barnard 1b-N and S. <i>Astronomy and Astrophysics</i> , 2017, 606, L3.	2.1	9
34	STAR FORMATION AND FEEDBACK: A MOLECULAR OUTFLOWâ€“PRESTELLAR CORE INTERACTION IN L1689N. <i>Astrophysical Journal</i> , 2016, 827, 133.	1.6	11
35	The physical and chemical structure of Sagittarius B2. <i>Astronomy and Astrophysics</i> , 2016, 588, A143.	2.1	99
36	ANALYSIS OF THE HERSCHEL/HEXOS SPECTRAL SURVEY TOWARD ORION SOUTH: A MASSIVE PROTOSTELLAR ENVELOPE WITH STRONG EXTERNAL IRRADIATION. <i>Astrophysical Journal</i> , 2016, 832, 12.	1.6	13

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37	Isotopic ratios of H, C, N, O, and S in comets C/2012 F6 (Lemmon) and C/2014 Q2 (Lovejoy). <i>Astronomy and Astrophysics</i> , 2016, 589, A78.	2.1	66
38	HERSCHEL/HIFI SPECTRAL MAPPING OF C ⁺ , CH ⁺ , AND CH IN ORION BN/KL: THE PREVAILING ROLE OF ULTRAVIOLET IRRADIATION IN CH ⁺ FORMATION. <i>Astrophysical Journal</i> , 2016, 829, 15.	1.6	18
39	First detection of gas-phase ammonia in a planet-forming disk. <i>Astronomy and Astrophysics</i> , 2016, 591, A122.	2.1	52
40	Water in star-forming regions with <i>Herschel</i> (WISH). <i>Astronomy and Astrophysics</i> , 2016, 590, A105.	2.1	26
41	Collisional excitation of doubly and triply deuterated ammonia ND ₂ H and ND ₃ by H ₂ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 1535-1549.	1.6	16
42	[C ¹⁸ O] absorption and emission in the diffuse interstellar medium across the Galactic plane. <i>Astronomy and Astrophysics</i> , 2015, 573, A30.	2.1	68
43	<i>Herschel</i> /HIFI line surveys: Discovery of interstellar chloronium (H ₂ Cl ⁺). , 2015, , .		0
44	<i>Herschel</i> HIFI observations of the Sgr A +50 km s ⁻¹ Cloud. <i>Astronomy and Astrophysics</i> , 2015, 584, A118.	2.1	8
45	Detection of extragalactic argonium, ArH ⁺ , toward PKS 1830-211. <i>Astronomy and Astrophysics</i> , 2015, 582, L4.	2.1	52
46	Depletion of chlorine into HCl ice in a protostellar core. <i>Astronomy and Astrophysics</i> , 2015, 574, A107.	2.1	32
47	Measuring the Distribution and Excitation of Cometary CH ₃ OH Using ALMA. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 233-236.	0.0	1
48	VELOCITY-RESOLVED [C ii] EMISSION AND [C ii]/FIR MAPPING ALONG ORION WITH <i>HERSCHEL</i> . <i>Astrophysical Journal</i> , 2015, 812, 75.	1.6	88
49	<i>HERSCHEL</i> SURVEY OF GALACTIC OH ⁺ , H ₂ O ⁺ , AND H ₃ O ⁺ : PROBING THE MOLECULAR HYDROGEN FRACTION AND COSMIC-RAY IONIZATION RATE. <i>Astrophysical Journal</i> , 2015, 800, 40.	1.6	183
50	<i>HERSCHEL</i> OBSERVATIONS OF INTERSTELLAR CHLORONIUM. II. DETECTIONS TOWARD G29.96-0.02, W49N, W51, AND W3(OH), AND DETERMINATIONS OF THE ORTHO-TO-PARA AND ³⁵ Cl/ ³⁷ Cl ISOTOPIC RATIOS. <i>Astrophysical Journal</i> , 2015, 807, 54.	1.6	20
51	Ethyl alcohol and sugar in comet C/2014 Q2 (Lovejoy). <i>Science Advances</i> , 2015, 1, e1500863.	4.7	115
52	THE DISTRIBUTION OF DEUTERATED FORMALDEHYDE WITHIN ORION-KL. <i>Astrophysical Journal</i> , 2015, 808, 155.	1.6	3
53	Ionization toward the high-mass star-forming region NGC 6334 I. <i>Astronomy and Astrophysics</i> , 2014, 563, A127.	2.1	10
54	Upper limits to interstellar NH ⁺ and para-NH ₂ abundances. <i>Astronomy and Astrophysics</i> , 2014, 567, A130.	2.1	17

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55	Collisional excitation of singly deuterated ammonia NH ₂ D by H ₂ . Monthly Notices of the Royal Astronomical Society, 2014, 444, 2544-2554.	1.6	24
56	WIDESPREAD ROTATIONALLY HOT HYDRONIUM ION IN THE GALACTIC INTERSTELLAR MEDIUM. Astrophysical Journal, 2014, 785, 135.	1.6	22
57	HYDROGEN FLUORIDE TOWARD LUMINOUS NEARBY GALAXIES: NGC 253 AND NGC 4945. Astrophysical Journal, 2014, 785, 22.	1.6	21
58	<i>HERSCHEL</i> HIFI OBSERVATIONS OF O ₂ TOWARD ORION: SPECIAL CONDITIONS FOR SHOCK ENHANCED EMISSION. Astrophysical Journal, 2014, 793, 111.	1.6	33
59	<i>HERSCHEL</i> OBSERVATIONS OF EXTRAORDINARY SOURCES: ANALYSIS OF THE HIFI 1.2 THz WIDE SPECTRAL SURVEY TOWARD ORION KL. I. METHODS. Astrophysical Journal, 2014, 787, 112.	1.6	106
60	Water deuterium fractionation in the high-mass star-forming region G34.26+0.15 based on Herschel/HIFI data. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1299-1313.	1.6	28
61	<i>HERSCHEL</i> OBSERVATIONS OF EXTRAORDINARY SOURCES: ANALYSIS OF THE FULL <i>HERSCHEL</i> /HIFI MOLECULAR LINE SURVEY OF SAGITTARIUS B2(N). Astrophysical Journal, 2014, 789, 8.	1.6	82
62	ALMA MEASUREMENTS OF THE HNC AND HC ₃ N DISTRIBUTIONS IN TITAN'S ATMOSPHERE. Astrophysical Journal Letters, 2014, 795, L30.	3.0	53
63	MAPPING THE RELEASE OF VOLATILES IN THE INNER COMAE OF COMETS C/2012 F6 (LEMMON) AND C/2012 S1 (ISON) USING THE ATACAMA LARGE MILLIMETER/SUBMILLIMETER ARRAY. Astrophysical Journal Letters, 2014, 792, L2.	3.0	64
64	<i>Herschel</i> observations of gas and dust in comet C/2006 W3 (Christensen) at 5 AU from the Sun. Astronomy and Astrophysics, 2014, 564, A124.	2.1	12
65	Searches for HCl and HF in comets 103P/Hartley 2 and C/2009 P1 (Garradd) with the <i>Herschel</i> Space Observatory. Astronomy and Astrophysics, 2014, 562, A5.	2.1	19
66	Ubiquitous argonium (ArH ⁺) in the diffuse interstellar medium: A molecular tracer of almost purely atomic gas. Astronomy and Astrophysics, 2014, 566, A29.	2.1	124
67	Complex organic molecules in comets C/2012 F6 (Lemmon) and C/2013 R1 (Lovejoy): detection of ethylene glycol and formamide. Astronomy and Astrophysics, 2014, 566, L5.	2.1	101
68	The W43-MM1 mini-starburst ridge, a test for star formation efficiency models. Astronomy and Astrophysics, 2014, 570, A15.	2.1	60
69	CH ₂ D ⁺ , the Search for the Holy Grail. Journal of Physical Chemistry A, 2013, 117, 9959-9967.	1.1	45
70	Ortho-to-Para Ratio in Interstellar Water on the Sightline toward Sagittarius B2(N). Journal of Physical Chemistry A, 2013, 117, 9661-9665.	1.1	21
71	Ortho/Para Ratio of H ₂ O ⁺ Toward Sagittarius B2(M) Revisited. Journal of Physical Chemistry A, 2013, 117, 9766-9769.	1.1	14
72	Determination of the Ortho to Para Ratio of H ₂ Cl ⁺ and H ₂ O ⁺ from Submillimeter Observations. Journal of Physical Chemistry A, 2013, 117, 10018-10026.	1.1	10

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73	<i>HERSCHEL</i> OBSERVATIONS REVEAL ANOMALOUS MOLECULAR ABUNDANCES TOWARD THE GALACTIC CENTER. <i>Astrophysical Journal Letters</i> , 2013, 763, L19.	3.0	14
74	ALMA OBSERVATIONS OF THE GALACTIC CENTER: SiO OUTFLOWS AND HIGH-MASS STAR FORMATION NEAR Sgr A*. <i>Astrophysical Journal Letters</i> , 2013, 767, L32.	3.0	28
75	<i>HERSCHEL</i> * FAR-INFRARED SPECTROSCOPY OF THE GALACTIC CENTER. HOT MOLECULAR GAS: SHOCKS VERSUS RADIATION NEAR Sgr A. <i>Astrophysical Journal Letters</i> , 2013, 769, L13.	3.0	44
76	HYDROGEN CHLORIDE IN DIFFUSE INTERSTELLAR CLOUDS ALONG THE LINE OF SIGHT TO W31C (G10.6-0.4). <i>Astrophysical Journal</i> , 2013, 767, 81.	1.6	26
77	A <i>HERSCHEL</i> STUDY OF D/H IN WATER IN THE JUPITER-FAMILY COMET 45P/HONDA-MRKOS-PAJDUÅKOVÅ AND PROSPECTS FOR D/H MEASUREMENTS WITH CCAT. <i>Astrophysical Journal Letters</i> , 2013, 774, L3.	3.0	73
78	Deep observations of O₂ toward a low-mass protostar with <i>Herschel</i>-HIFI. <i>Astronomy and Astrophysics</i> , 2013, 558, A58.	2.1	57
79	Nitrogen isotopic ratios in Barnard 1: a consistent study of the N₂H⁺, NH₃, CN, HCN, and HNC isotopologues. <i>Astronomy and Astrophysics</i> , 2013, 560, A3.	2.1	90
80	Herschel/HIFI Discovery of a Far-Infrared DIB Analog. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 197-202.	0.0	0
81	WATER ABSORPTION IN GALACTIC TRANSLUCENT CLOUDS: CONDITIONS AND HISTORY OF THE GAS DERIVED FROM <i>HERSCHEL</i>/HIFI PRISMAS OBSERVATIONS. <i>Astrophysical Journal</i> , 2013, 762, 11.	1.6	59
82	<i>Herschel</i>/HIFI observations of [Câ€‰%II] and [C¹³Câ€‰%II] in photon-dominated regions. <i>Astronomy and Astrophysics</i> , 2013, 550, A57.	2.1	78
83	THE ABUNDANCE, ORTHO/PARA RATIO, AND DEUTERATION OF WATER IN THE HIGH-MASS STAR-FORMING REGION NGC 6334 I. <i>Astrophysical Journal</i> , 2013, 765, 61.	1.6	34
84	<i>HERSCHEL</i> /HIFI DISCOVERY OF HCL ⁺ IN THE INTERSTELLAR MEDIUM. <i>Astrophysical Journal Letters</i> , 2012, 751, L37.	3.0	75
85	Hot, metastable hydronium ion in the Galactic centre: formation pumping in X-ray-irradiated gas?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 5162-5173.	1.6	15
86	Hydride spectroscopy of the diffuse interstellar medium: new clues on the gas fraction in molecular form and cosmic ray ionization rate in relation to H 3 +. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 5174-5185.	1.6	17
87	<i>HERSCHEL</i> SEARCH FOR O₂ TOWARD THE ORION BAR. <i>Astrophysical Journal</i> , 2012, 752, 26.	1.6	32
88	Comparative study of CH⁺ and SH⁺ absorption lines observed towards distant star-forming regions. <i>Astronomy and Astrophysics</i> , 2012, 540, A87.	2.1	112
89	<i>Herschel</i> measurements of the D/H and ¹⁶O/¹⁸O ratios in water in the Oort-cloud comet C/2009AP1 (Garradd). <i>Astronomy and Astrophysics</i> , 2012, 544, L15.	2.1	115
90	<i>HERSCHEL</i> OBSERVATIONS OF INTERSTELLAR CHLORONIUM. <i>Astrophysical Journal</i> , 2012, 748, 37.	1.6	51

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91	Multi-line detection of O ₂ toward ξ Ophiuchi A. <i>Astronomy and Astrophysics</i> , 2012, 541, A73.	2.1	84
92	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.	3.0	62
93	Early Science Results From the Heterodyne Instrument for the Far Infrared (HIFI) on the Herschel Space Observatory. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2012, 2, 383-392.	2.0	61
94	Broadband analysis techniques for Herschel/HIFI spectral surveys of chemically rich star-forming regions. <i>Journal of Molecular Spectroscopy</i> , 2012, 280, 150-154.	0.4	10
95	Ammonia and other parent molecules in comet 10P/Tempel 2 from <i>Herschel</i> /HIFI and ground-based radio observations. <i>Astronomy and Astrophysics</i> , 2012, 539, A68.	2.1	31
96	HYDROGEN FLUORIDE IN HIGH-MASS STAR-FORMING REGIONS. <i>Astrophysical Journal</i> , 2012, 756, 136.	1.6	33
97	Molecular line survey of the high-mass star-forming region NGC 6334I with <i>Herschel</i> /HIFI and the Submillimeter Array. <i>Astronomy and Astrophysics</i> , 2012, 546, A87.	2.1	59
98	H ₂ D ⁺ IN THE HIGH-MASS STAR-FORMING REGION CYGNUS X. <i>Astrophysical Journal</i> , 2012, 751, 135.	1.6	24
99	A DIRECT MEASUREMENT OF THE TOTAL GAS COLUMN DENSITY IN ORION KL. <i>Astrophysical Journal</i> , 2012, 744, 28.	1.6	21
100	An upper limit for the water outgassing rate of the main-belt comet 176P/LINEAR observed with <i>Herschel</i> /HIFI. <i>Astronomy and Astrophysics</i> , 2012, 546, L4.	2.1	29
101	A multi-wavelength view of the Galactic center dust ridge reveals little star formation. <i>Astronomy and Astrophysics</i> , 2012, 548, A120.	2.1	48
102	Upper limit for the D ₂ H ⁺ ortho-to-para ratio in the prestellar core 16293E (CHESS). <i>Astronomy and Astrophysics</i> , 2012, 547, A33.	2.1	14
103	Detection of the Water Reservoir in a Forming Planetary System. <i>Science</i> , 2011, 334, 338-340.	6.0	258
104	Submillimeter continuum observations of Sagittarius B2 at subarcsecond spatial resolution. <i>Astronomy and Astrophysics</i> , 2011, 530, L9.	2.1	42
105	<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
106	DISCOVERY OF WATER VAPOR IN THE HIGH-REDSHIFT QUASAR APM 08279+5255 AT $z = 3.91$. <i>Astrophysical Journal Letters</i> , 2011, 738, L6.	3.0	22
107	THE INFLUENCE OF DEUTERATION AND TURBULENT DIFFUSION ON THE OBSERVED D/H RATIO. <i>Astrophysical Journal</i> , 2011, 731, 48.	1.6	10
108	<i>HERSCHEL</i> /HIFI OBSERVATIONS OF HYDROGEN FLUORIDE TOWARD SAGITTARIUS B2(M). <i>Astrophysical Journal Letters</i> , 2011, 734, L23.	3.0	38

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109	Ocean-like water in the Jupiter-family comet 103P/Hartley 2. <i>Nature</i> , 2011, 478, 218-220.	13.7	412
110	ROTATION STATE OF COMET 103P/HARTLEY 2 FROM RADIO SPECTROSCOPY AT 1 mm. <i>Astrophysical Journal Letters</i> , 2011, 734, L4.	3.0	35
111	<i>Herschel</i> MEASUREMENTS OF MOLECULAR OXYGEN IN ORION. <i>Astrophysical Journal</i> , 2011, 737, 96.	1.6	138
112	DISCOVERY OF HYDROGEN FLUORIDE IN THE CLOVERLEAF QUASAR AT $z = 2.56$. <i>Astrophysical Journal Letters</i> , 2011, 742, L21.	3.0	18
113	<i>EPOXI</i> : COMET 103P/HARTLEY 2 OBSERVATIONS FROM A WORLDWIDE CAMPAIGN. <i>Astrophysical Journal Letters</i> , 2011, 734, L1.	3.0	96
114	Interstellar CH absorption in the diffuse interstellar medium along the sight-lines to G10.6 μ 0.4 (W31C), W49N, and W51. <i>Astronomy and Astrophysics</i> , 2010, 521, L16.	2.1	77
115	Strong absorption by interstellar hydrogen fluoride: <i>Herschel</i> /HIFI observations of the sight-line to G10.6 μ 0.4 (W31C). <i>Astronomy and Astrophysics</i> , 2010, 518, L108.	2.1	90
116	<i>Herschel</i> observations of EXtra-Ordinary Sources (HEXOS): Detection of hydrogen fluoride in absorption towards Orion κ L. <i>Astronomy and Astrophysics</i> , 2010, 518, L109.	2.1	48
117	Interstellar OH ⁺ , H ₂ O ⁺ and H ₃ O ⁺ along the sight-line to G10.6 μ 0.4. <i>Astronomy and Astrophysics</i> , 2010, 518, L110.	2.1	155
118	Detection of interstellar oxidaniumyl: Abundant H ₂ O ⁺ towards the star-forming regions DR21, Sgr β 2, and NGC6334. <i>Astronomy and Astrophysics</i> , 2010, 518, L111.	2.1	78
119	<i>Herschel</i> observations of EXtra-Ordinary Sources (HEXOS): detecting spiral arm clouds by CH absorption lines. <i>Astronomy and Astrophysics</i> , 2010, 521, L14.	2.1	27
120	CH ⁺ (1 μ 0) and ¹³ CH ⁺ (1 μ 0) absorption lines in the direction of massive star-forming regions. <i>Astronomy and Astrophysics</i> , 2010, 521, L15.	2.1	49
121	<i>Herschel</i> observations of deuterated water towards Sgr β 2(M). <i>Astronomy and Astrophysics</i> , 2010, 521, L38.	2.1	12
122	<i>Herschel</i> /HIFI discovery of interstellar chloronium (H ₂ Cl ⁺). <i>Astronomy and Astrophysics</i> , 2010, 521, L9.	2.1	83
123	<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
124	<i>Herschel</i> /HIFI measurements of the ortho/para ratio in water towards Sagittarius β 2(M) and W31C. <i>Astronomy and Astrophysics</i> , 2010, 521, L26.	2.1	57
125	<i>Herschel</i> observations of EXtra-Ordinary Sources (HEXOS): Observations of H ₂ O and its isotopologues towards Orion κ L. <i>Astronomy and Astrophysics</i> , 2010, 521, L27.	2.1	29
126	The distribution of water in the high-mass star-forming region NGC $\hat{6}$ 334 \hat{A} . <i>Astronomy and Astrophysics</i> , 2010, 521, L28.	2.1	30

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127	<i>Herschel</i> observations of ortho- and para-oxidaniumyl (H_2O^+) in spiral arm clouds toward Sagittarius B2(M). <i>Astronomy and Astrophysics</i> , 2010, 521, L11.	2.1	35
128	<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
129	A study of the distant activity of comet C/2006 W3 (Christensen) with <i>Herschel</i> and ground-based radio telescopes. <i>Astronomy and Astrophysics</i> , 2010, 518, L149.	2.1	35
130	Nitrogen hydrides in interstellar gas. <i>Astronomy and Astrophysics</i> , 2010, 521, L45.	2.1	68
131	HIFI observations of water in the atmosphere of comet C/2008 Q3 (Garradd). <i>Astronomy and Astrophysics</i> , 2010, 518, L150.	2.1	31
132	Water production in comet 81P/Wild 2 as determined by <i>Herschel</i> /HIFI. <i>Astronomy and Astrophysics</i> , 2010, 521, L50.	2.1	25
133	<i>Herschel</i> /HIFI observations of interstellar OH^+ and H_2O^+ towards W49N: a probe of diffuse clouds with a small molecular fraction. <i>Astronomy and Astrophysics</i> , 2010, 521, L10.	2.1	143
134	<i>Herschel</i> /HIFI observations of spectrally resolved methylidyne signatures toward the high-mass star-forming core NGC 6334I. <i>Astronomy and Astrophysics</i> , 2010, 521, L43.	2.1	14
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