

Tom J Millar

List of Publications by Year in descending order

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244
papers

11,750
citations

28274

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31849

101
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252
all docs

252
docs citations

252
times ranked

5485
citing authors

#	ARTICLE	IF	CITATIONS
1	ATOMIUM: ALMA tracing the origins of molecules in dust forming oxygen rich M-type stars. <i>Astronomy and Astrophysics</i> , 2022, 660, A94.	5.1	14
2	ALMA High-resolution Multiband Analysis for the Protoplanetary Disk around TW Hya. <i>Astrophysical Journal</i> , 2022, 928, 49.	4.5	5
3	Fevering Interstellar Ices Have More CH ₃ OD. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1171-1188.	2.7	3
4	Chemical dynamics study on the gas-phase reaction of the D1-silyldyne radical (SiD; X ²) with deuterium sulfide (D ₂ S) and hydrogen sulfide (H ₂ S). <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 13647-13661.	2.8	5
5	ATOMIUM: The astounding complexity of the near circumstellar environment of the M-type AGB star R Hydrae. <i>Astronomy and Astrophysics</i> , 2021, 651, A82.	5.1	8
6	Nonadiabatic reaction dynamics to silicon monosulfide (SiS): A key molecular building block to sulfur-rich interstellar grains. <i>Science Advances</i> , 2021, 7, .	10.3	10
7	High Spatial Resolution Observations of Molecular Lines toward the Protoplanetary Disk around TW Hya with ALMA. <i>Astrophysical Journal</i> , 2021, 914, 113.	4.5	14
8	ATOMIUM: halide molecules around the S-type AGB star W Aquilae. <i>Astronomy and Astrophysics</i> , 2021, 655, A80.	5.1	13
9	Gas-phase Synthesis of Silaformaldehyde (H ₂ SiO) and Hydroxysilylene (HSiOH) in Outflows of Oxygen-rich Asymptotic Giant Branch Stars. <i>Astrophysical Journal Letters</i> , 2021, 921, L7.	8.3	0
10	The impact of stellar companion UV photons on the chemistry of the circumstellar environments of AGB stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 1204-1222.	4.4	11
11	A chemical dynamics study on the gas phase formation of thioformaldehyde (H ₂ CS) and its thiohydroxycarbene isomer (HCSH). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22712-22719.	7.1	18
12	(Sub)stellar companions shape the winds of evolved stars. <i>Science</i> , 2020, 369, 1497-1500.	12.6	57
13	A Decade with VAMDC: Results and Ambitions. <i>Atoms</i> , 2020, 8, 76.	1.6	53
14	Determining the effects of clumping and porosity on the chemistry in a non-uniform AGB outflow <i>(Corrigendum)</i>. <i>Astronomy and Astrophysics</i> , 2020, 634, C1.	5.1	7
15	A detailed view on the circumstellar environment of the M-type AGB star EP Aquarii. <i>Astronomy and Astrophysics</i> , 2020, 642, A93.	5.1	5
16	ATOMIUM: A high-resolution view on the highly asymmetric wind of the AGB star <i>ε</i> ¹ Gruis. <i>Astronomy and Astrophysics</i> , 2020, 644, A61.	5.1	17
17	The role of ultraviolet photons in circumstellar astrochemistry. <i>Chinese Journal of Chemical Physics</i> , 2020, 33, 668-679.	1.3	5
18	Chemical modelling of dustâ€“gas chemistry within AGB outflows â€“ III. Photoprocessing of the ice and return to the ISM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 491-506.	4.4	5

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19	Species cycling and the enhancement of ammonia in pre-stellar cores. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1228-1242.	4.4	2
20	The Importance of Failure: How Doing Impact Surveys That Fail Saves Trachoma Programs Money. American Journal of Tropical Medicine and Hygiene, 2020, 103, 2481-2487.	1.4	8
21	Measurements of Low Temperature Rate Coefficients for the Reaction of CH with CH ₂ O and Application to Dark Cloud and AGB Stellar Wind Models. Astrophysical Journal, 2019, 885, 134.	4.5	13
22	Discovery of An au-scale Excess in Millimeter Emission from the Protoplanetary Disk around TW Hya. Astrophysical Journal Letters, 2019, 878, L8.	8.3	37
23	Dust Continuum Emission and the Upper Limit Fluxes of Submillimeter Water Lines of the Protoplanetary Disk around HD 163296 Observed by ALMA. Astrophysical Journal, 2019, 875, 96.	4.5	28
24	The Role of Internal Photons on the Chemistry of the Circumstellar Envelopes of AGB Stars. Astrophysical Journal, 2019, 873, 36.	4.5	18
25	The Effect of Carbon Grain Destruction on the Chemical Structure of Protoplanetary Disks. Astrophysical Journal, 2019, 870, 129.	4.5	19
26	The chemistry of hot molecular cores. , 2019, , 249-270.		0
27	Directed gas phase formation of silicon dioxide and implications for the formation of interstellar silicates. Nature Communications, 2018, 9, 774.	12.8	23
28	Candidate Water Vapor Lines to Locate the H ₂ O Snowline through High-dispersion Spectroscopic Observations. III. Submillimeter H ₂ ¹⁶ O and H ₂ ¹⁸ O Lines. Astrophysical Journal, 2018, 855, 62.	4.5	18
29	The chemistry in clumpy AGB outflows. Proceedings of the International Astronomical Union, 2018, 14, 531-532.	0.0	2
30	Chemistry in carbon-rich protoplanetary disks: Effect of carbon grain destruction. Proceedings of the International Astronomical Union, 2018, 14, 289-290.	0.0	0
31	The Impact of UV Radiation on Circumstellar Chemistry. Proceedings of the International Astronomical Union, 2018, 14, 191-195.	0.0	1
32	Determining the effects of clumping and porosity on the chemistry in a non-uniform AGB outflow. Astronomy and Astrophysics, 2018, 616, A106.	5.1	28
33	A Population-Based Trachoma Prevalence Survey Covering Seven Districts of Sangha and Likouala Departments, Republic of the Congo. Ophthalmic Epidemiology, 2018, 25, 155-161.	1.7	5
34	Possibility to locate the position of the H ₂ O snowline in protoplanetary disks through spectroscopic observations. Proceedings of the International Astronomical Union, 2018, 14, 393-395.	0.0	0
35	Quality Assurance and Quality Control in the Global Trachoma Mapping Project. American Journal of Tropical Medicine and Hygiene, 2018, 99, 858-863.	1.4	56
36	Negative Ions in Space. Chemical Reviews, 2017, 117, 1765-1795.	47.7	176

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37	Candidate Water Vapor Lines to Locate the H ₂ O Snowline Through High-dispersion Spectroscopic Observations. II. The Case of a Herbig Ae Star. <i>Astrophysical Journal</i> , 2017, 836, 118.	4.5	34
38	TFOS DEWS II Tear Film Report. <i>Ocular Surface</i> , 2017, 15, 366-403.	4.4	610
39	Determining the effect of a non-uniform AGB outflow on its chemistry. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 43-46.	0.0	0
40	Possibility to locate the position of the H ₂ O snowline in protoplanetary disks through spectroscopic observations. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 113-120.	0.0	0
41	Sulphur-bearing molecules in AGB stars. <i>Astronomy and Astrophysics</i> , 2017, 606, A124.	5.1	25
42	The cost of mapping trachoma: Data from the Global Trachoma Mapping Project. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0006023.	3.0	21
43	ALMA REVEALS THE ANATOMY OF THE mm-SIZED DUST AND MOLECULAR GAS IN THE HD 97048 DISK. <i>Astrophysical Journal</i> , 2016, 831, 200.	4.5	42
44	ALMA-resolved salt emission traces the chemical footprint and inner wind morphology of VY Canis Majoris. <i>Astronomy and Astrophysics</i> , 2016, 592, A76.	5.1	21
45	Chemistry and distribution of daughter species in the circumstellar envelopes of O-rich AGB stars. <i>Astronomy and Astrophysics</i> , 2016, 588, A4.	5.1	31
46	CANDIDATE WATER VAPOR LINES TO LOCATE THE H ₂ O SNOWLINE THROUGH HIGH-DISPERSION SPECTROSCOPIC OBSERVATIONS. I. THE CASE OF A T TAURI STAR. <i>Astrophysical Journal</i> , 2016, 827, 113.	4.5	58
47	ALMA OBSERVATIONS OF A GAP AND A RING IN THE PROTOPLANETARY DISK AROUND TW HYA. <i>Astrophysical Journal Letters</i> , 2016, 819, L7.	8.3	105
48	The virtual atomic and molecular data centre (VAMDC) consortium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 074003.	1.5	120
49	Chemistry in AGB stars: successes and challenges. <i>Journal of Physics: Conference Series</i> , 2016, 728, 052001.	0.4	11
50	A GAP WITH A DEFICIT OF LARGE GRAINS IN THE PROTOPLANETARY DISK AROUND TW Hya. <i>Astrophysical Journal Letters</i> , 2016, 829, L35.	8.3	90
51	FIRST DETECTION OF GAS-PHASE METHANOL IN A PROTOPLANETARY DISK. <i>Astrophysical Journal Letters</i> , 2016, 823, L10.	8.3	166
52	Astrochemistry. <i>Plasma Sources Science and Technology</i> , 2015, 24, 043001.	3.1	34
53	The Global Trachoma Mapping Project: Methodology of a 34-Country Population-Based Study. <i>Ophthalmic Epidemiology</i> , 2015, 22, 214-225.	1.7	196
54	Photodissociation and chemistry of N ₂ in the circumstellar envelope of carbon-rich AGB stars. <i>Astronomy and Astrophysics</i> , 2014, 568, A111.	5.1	29

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55	New detections of HC5N towards hot cores associated with 6.7ÅGHz methanol masers. Monthly Notices of the Royal Astronomical Society, 2014, 443, 2252-2263.	4.4	11
56	ALMA HINTS AT THE PRESENCE OF TWO COMPANIONS IN THE DISK AROUND HD 100546. Astrophysical Journal Letters, 2014, 791, L6.	8.3	114
57	Complex organic molecules along the accretion flow in isolated and externally irradiated protoplanetary disks. Faraday Discussions, 2014, 168, 389-421.	3.2	23
58	Irradiation of Water Ice by C ⁺ Ions in the Cosmic Environment. Journal of Physical Chemistry A, 2014, 118, 6991-6998.	2.5	5
59	Complex organic molecules in protoplanetary disks. Astronomy and Astrophysics, 2014, 563, A33.	5.1	169
60	MOLECULAR LINE EMISSION FROM A PROTOPLANETARY DISK IRRADIATED EXTERNALLY BY A NEARBY MASSIVE STAR. Astrophysical Journal Letters, 2013, 766, L23.	8.3	27
61	PHOTODETACHMENT AS A DESTRUCTION MECHANISM FOR CN ⁺ AND C ₃ N ⁺ ANIONS IN CIRCUMSTELLAR ENVELOPES. Astrophysical Journal, 2013, 776, 25.	4.5	53
62	The UMIST database for astrochemistry 2012. Astronomy and Astrophysics, 2013, 550, A36.	5.1	714
63	Organic Synthesis in the Interstellar Medium by Low-Energy Carbon Irradiation. Journal of Physical Chemistry A, 2013, 117, 9666-9672.	2.5	9
64	Water in Protoplanetary Disks. Proceedings of the International Astronomical Union, 2012, 8, 235-237.	0.0	0
65	CHEMICAL PROCESSES IN PROTOPLANETARY DISKS. II. ON THE IMPORTANCE OF PHOTOCHEMISTRY AND X-RAY IONIZATION. Astrophysical Journal, 2012, 747, 114.	4.5	123
66	Observational tests of interstellar methanol formation. Astronomy and Astrophysics, 2011, 533, A24.	5.1	70
67	Galactic Bulge PNe: Carbon molecules in oxygen-rich environments. Proceedings of the International Astronomical Union, 2011, 7, 259-262.	0.0	0
68	DISCOVERY OF INTERSTELLAR ANIONS IN CEPHEUS AND AURIGA. Astrophysical Journal Letters, 2011, 730, L18.	8.3	42
69	CHEMICAL EVOLUTION OF PROTOPLANETARY DISKS—THE EFFECTS OF VISCOUS ACCRETION, TURBULENT MIXING, AND DISK WINDS. Astrophysical Journal, 2011, 731, 115.	4.5	82
70	CH abundance gradient in TMC-1. Astronomy and Astrophysics, 2011, 531, A121.	5.1	22
71	Carbon chemistry in Galactic bulge planetary nebulae. Monthly Notices of the Royal Astronomical Society, 2011, 414, 1667-1678.	4.4	48
72	VAMDC—The Virtual Atomic and Molecular Data Centre—A New Way to Disseminate Atomic and Molecular Data—VAMDC Level 1 Release. AIP Conference Proceedings, 2011, , .	0.4	24

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73	Early Results of the 3 mm Spectral Line Survey toward the Lynds 1157 B1 Shocked Region. Publication of the Astronomical Society of Japan, 2011, 63, 459-472.	2.5	32
74	The abundance of HNCO and its use as a diagnostic of environment. Astronomy and Astrophysics, 2010, 510, A85.	5.1	34
75	Complex molecule formation in grain mantles. Astronomy and Astrophysics, 2010, 517, A1.	5.1	5
76	CHEMICAL PROCESSES IN PROTOPLANETARY DISKS. Astrophysical Journal, 2010, 722, 1607-1623.	4.5	168
77	Virtual atomic and molecular data centre. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 2151-2159.	2.3	164
78	Distributions of hot molecules in young circumstellar disks. EAS Publications Series, 2010, 41, 177-180.	0.3	0
79	Molecular hydrogen emission from protoplanetary disks: UV and X-ray irradiated disk model with dust evolution. EAS Publications Series, 2010, 41, 181-184.	0.3	0
80	DISSOCIATIVE RECOMBINATION OF PROTONATED FORMIC ACID: IMPLICATIONS FOR MOLECULAR CLOUD AND COMETARY CHEMISTRY. Astrophysical Journal, 2010, 709, 1429-1434.	4.5	19
81	THE DISSOCIATIVE RECOMBINATION OF PROTONATED ACRYLONITRILE, CH ₂ CHCN ⁺ , WITH IMPLICATIONS FOR THE NITRILE CHEMISTRY IN DARK MOLECULAR CLOUDS AND THE UPPER ATMOSPHERE OF TITAN. Astrophysical Journal, 2009, 695, 317-324.	4.5	24
82	Effects of accretion flow on the chemical structure in the inner regions of protoplanetary disks. Astronomy and Astrophysics, 2009, 495, 183-188.	5.1	31
83	Cyanopolyynes in hot cores: modelling G305.2+0.2. Monthly Notices of the Royal Astronomical Society, 2009, 394, 221-230.	4.4	37
84	THE EFFECTS OF MOLECULAR ANIONS ON THE CHEMISTRY OF DARK CLOUDS. Astrophysical Journal, 2009, 700, 752-761.	4.5	76
85	DENSITY-ENHANCED GAS AND DUST SHELLS IN A NEW CHEMICAL MODEL FOR IRC+10216. Astrophysical Journal, 2009, 697, 68-78.	4.5	86
86	Chemistry in the circumstellar medium. Astrophysics and Space Science, 2008, 313, 223-227.	1.4	8
87	Organic molecular anions in interstellar and circumstellar environments. Proceedings of the International Astronomical Union, 2008, 4, 157-160.	0.0	8
88	Molecular line observations and chemical modelling of galactic edge clouds. Proceedings of the International Astronomical Union, 2008, 4, 145-146.	0.0	0
89	The Chemistry of Cold Interstellar Cloud Cores. , 2008, , 1-54.		37
90	Dissociative Recombination of D3S ⁺ : Product Branching Fractions and Absolute Cross Sections. Astrophysical Journal, 2008, 681, 1717-1724.	4.5	9

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91	New Theoretical Results Concerning the Interstellar Abundance of Molecular Oxygen. <i>Astrophysical Journal</i> , 2008, 681, 1318-1326.	4.5	30
92	Hydrocarbon Anions in Interstellar Clouds and Circumstellar Envelopes. <i>Astrophysical Journal</i> , 2007, 662, L87-L90.	4.5	98
93	The UMIST database for astrochemistry 2006. <i>Astronomy and Astrophysics</i> , 2007, 466, 1197-1204.	5.1	524
94	Formation of biomolecule precursors in space. <i>Journal of Physics: Conference Series</i> , 2007, 88, 012068.	0.4	1
95	Detection of C ₈ H ⁻ and Comparison with C ₈ H toward IRC +10 216. <i>Astrophysical Journal</i> , 2007, 664, L47-L50.	4.5	146
96	The James Clerk Maxwell Telescope Spectral Legacy Survey. <i>Publications of the Astronomical Society of the Pacific</i> , 2007, 119, 102-111.	3.1	19
97	Australia Telescope Compact Array 1.2-cm observations of the massive star-forming region G305.2+0.2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 380, 1703-1714.	4.4	7
98	A survey of [D ₂ CO] / [H ₂ CO] and [N ₂ D ⁺] / [N ₂ H ⁺] ratios towards protostellar cores. <i>Astronomy and Astrophysics</i> , 2007, 471, 849-863.	5.1	54
99	Molecular Hydrogen Emission from Protoplanetary Disks. II. Effects of X-ray Irradiation and Dust Evolution. <i>Astrophysical Journal</i> , 2007, 661, 334-353.	4.5	133
100	Galactic Edge Clouds. I. Molecular Line Observations and Chemical Modeling of Edge Cloud 2. <i>Astrophysical Journal</i> , 2007, 671, 1766-1783.	4.5	14
101	Dissociative recombination of protonated methanol. <i>Faraday Discussions</i> , 2006, 133, 177-190.	3.2	177
102	A Molecular Line Survey of W3(OH) and W3 IRS 5 from 84.7 to 115.6 GHz: Observational Data and Analyses. <i>Astrophysical Journal, Supplement Series</i> , 2006, 162, 161-206.	7.7	23
103	Molecular Hydrogen emission from protoplanetary disks: effects of X-ray irradiation and dust evolution. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 456-456.	0.0	0
104	A SCUBA imaging survey of ultracompact HII regions. <i>Astronomy and Astrophysics</i> , 2006, 453, 1003-1026.	5.1	86
105	Deuterated as a probe of isotope fractionation in star-forming regions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006, 364, 3063-3080.	3.4	13
106	Interstellar CH ₃ CCD. <i>Astrophysical Journal</i> , 2005, 627, L117-L120.	4.5	14
107	Division VI: Interstellar Matter. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 267-271.	0.0	0
108	What Do We Know and What Do We Need to Know?. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 77.	0.0	1

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109	Dissociative Recombination of CD 3 OD 2 +. Proceedings of the International Astronomical Union, 2005, 1, 117.	0.0	5
110	Deuterium Nucleosynthesis in AGN: Is D Cosmological?. Nuclear Physics A, 2005, 758, 795-798.	1.5	0
111	Dissociative Recombination of the Thioformyl (HCS+) and Carbonyl Sulfide (OCS+) Cations. Astrophysical Journal, 2005, 631, 653-659.	4.5	26
112	Deuterium in interstellar clouds. Astronomy and Geophysics, 2005, 46, 2.29-2.32.	0.2	25
113	Molecules in bipolar proto-planetary nebulae. Astronomy and Astrophysics, 2005, 429, 977-992.	5.1	24
114	Molecular hydrogen emission from protoplanetary disks. Astronomy and Astrophysics, 2005, 438, 923-938.	5.1	125
115	Dissociative Recombination of N ₂ H ⁺ : Evidence for Fracture of the N-N Bond. Astrophysical Journal, 2004, 609, 459-464.	4.5	81
116	Observational tests for grain chemistry: posterior isotopic labelling. Monthly Notices of the Royal Astronomical Society, 2004, 347, 157-162.	4.4	45
117	Observational Tests for Grain Chemistry: Posterior Isotopic Labelling. ChemInform, 2004, 35, no.	0.0	0
118	Organic Molecules in the Interstellar Medium. , 2004, , 17-31.		21
119	The chemistry of multiply deuterated species in cold, dense interstellar cores. Astronomy and Astrophysics, 2004, 424, 905-917.	5.1	127
120	Molecule and Dust Grain Formation. Astronomy and Astrophysics Library, 2004, , 247-289.	0.1	11
121	The physical and chemical structure of hot molecular cores. Astronomy and Astrophysics, 2004, 414, 409-423.	5.1	122
122	Transport processes and chemical evolution in steady accretion disk flows. Astronomy and Astrophysics, 2004, 415, 643-659.	5.1	57
123	Sun and Protosolar Nebula - Working Group Report. Space Science Reviews, 2003, 106, 319-376.	8.1	5
124	Deuterium Fractionation in Interstellar Clouds. Space Science Reviews, 2003, 106, 73-86.	8.1	37
125	Two-dimensional models of proto planetary disk chemistry. Astrophysics and Space Science, 2003, 285, 761-768.	1.4	10
126	Modelling enhanced density shells in the circumstellar envelope of IRC +10216. Monthly Notices of the Royal Astronomical Society, 2003, 339, 1041-1047.	4.4	20

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127	NCCN in TMC-1 and IRC+10216. Monthly Notices of the Royal Astronomical Society, 2003, 341, 609-616.	4.4	32
128	Enhanced Deuterium Fractionation in Dense Interstellar Cores Resulting from Multiply Deuterated H ₃ [FORMULA]. Astrophysical Journal, 2003, 591, L41-L44.	4.5	226
129	The Chemistry of CRL 618. Symposium - International Astronomical Union, 2003, 209, 279-280.	0.1	1
130	The chemistry of protoplanetary nebulae. Astronomy and Astrophysics, 2003, 402, 189-199.	5.1	71
131	Deuterium Fractionation in Interstellar Clouds. Space Sciences Series of ISSI, 2003, , 73-86.	0.0	7
132	Turbulent diffusion and mixing in interstellar dark clouds with adsorption onto grains. Astronomy and Astrophysics, 2003, 399, 553-565.	5.1	2
133	Sun and Protosolar Nebula. Space Sciences Series of ISSI, 2003, , 319-376.	0.0	3
134	The Synthesis of Benzene in the Proto-planetary Nebula CRL 618. Astrophysical Journal, 2002, 574, L167-L170.	4.5	95
135	Molecular distributions in the inner regions of protostellar disks. Astronomy and Astrophysics, 2002, 385, 632-646.	5.1	103
136	The importance of new rate coefficients for deuterium fractionation reactions in interstellar chemistry. Monthly Notices of the Royal Astronomical Society, 2002, 336, 283-290.	4.4	59
137	Molecular D/H ratios in the dense gas surrounding low-mass protostars. Planetary and Space Science, 2002, 50, 1173-1178.	1.7	12
138	Modelling deuterium fractionation in interstellar clouds. Planetary and Space Science, 2002, 50, 1189-1195.	1.7	39
139	CH ₂ DCCH along the TMC-1 ridge. Astronomy and Astrophysics, 2002, 381, 560-565.	5.1	11
140	A survey of [HDCO]/[H ₂ CO] and [DCN]/[HCN] ratios towards low-mass protostellar cores. Astronomy and Astrophysics, 2002, 381, 1026-1038.	5.1	53
141	Deuterium fractionation along the TMC-1 ridge. Astronomy and Astrophysics, 2001, 376, 1054-1063.	5.1	18
142	Gas-phase models for the evolved planetary nebulae NGC 6781, M4-9 and NGC 7293. Monthly Notices of the Royal Astronomical Society, 2001, 325, 881-885.	4.4	19
143	Sulphur-bearing carbon chains in IRC+10216. Monthly Notices of the Royal Astronomical Society, 2001, 327, 1173-1177.	4.4	27
144	SiO in G34.26: Outflows and shocks in a high mass star forming region. Astronomy and Astrophysics, 2001, 372, 281-290.	5.1	31

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145	A Three-Position Spectral Line Survey of Sagittarius B2 between 218 and 263 GHz. II. Data Analysis. <i>Astrophysical Journal, Supplement Series</i> , 2000, 128, 213-243.	7.7	238
146	The role of H ₂ D ⁺ in the deuteration of interstellar molecules. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2000, 358, 2535-2547.	3.4	37
147	Large molecules in the envelope surrounding IRC+10216. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 316, 195-203.	4.4	143
148	Deuterium in the Galactic Centre as a result of recent infall of low-metallicity gas. <i>Nature</i> , 2000, 405, 1025-1027.	27.8	59
149	Molecular Data Needs in Astrochemistry. <i>Symposium - International Astronomical Union</i> , 2000, 197, 303-314.	0.1	1
150	The Deuterium Abundance In The Galactic Center 50 km/s Molecular Cloud: Evidence For A Cosmological Origin Of D. <i>Symposium - International Astronomical Union</i> , 2000, 198, 167-175.	0.1	0
151	Interstellar and circumstellar chemistry: The UMIST database. <i>AIP Conference Proceedings</i> , 2000, , .	0.4	0
152	On the Abundance Gradients of Organic Molecules along the TMC-1 Ridge. <i>Astrophysical Journal</i> , 2000, 535, 256-265.	4.5	95
153	The evolution of solar systems. <i>Contemporary Physics</i> , 2000, 41, 191-202.	1.8	1
154	The UMIST database for astrochemistry 1999. <i>Astronomy and Astrophysics</i> , 2000, 146, 157-168.	2.1	273
155	Desorption processes and the deuterium fractionation in molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 298, 562-568.	4.4	74
156	A survey of molecular line emission towards ultracompact Hii regions. <i>Astronomy and Astrophysics</i> , 1998, 133, 29-49.	2.1	120
157	A Three-Position Spectral Line Survey of Sagittarius B2 between 218 and 263 GHz. I. The Observational Data. <i>Astrophysical Journal, Supplement Series</i> , 1998, 117, 427-529.	7.7	126
158	Carbon Chemistry in Oxygen-Rich Circumstellar Envelopes. , 1997, 251, 281-284.		0
159	The UMIST Database for Astrochemistry 1995. <i>Astronomy and Astrophysics</i> , 1997, 121, 139-185.	2.1	355
160	Growth of Large Molecules and Small Grains. <i>Springer Proceedings in Physics</i> , 1997, , 507-515.	0.2	0
161	Carbon-Bearing Molecules in Oxygen-Rich Circumstellar Envelopes. , 1997, , 255-258.		0
162	Carbon Chemistry in Oxygen-Rich Circumstellar Envelopes. , 1997, , 281-284.		0

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163	Chemical evolution in the circumstellar structure of B5 IRS1. Monthly Notices of the Royal Astronomical Society, 1996, 279, 1210-1218.	4.4	3
164	The chemistry of deuterium in hot molecular cores. Monthly Notices of the Royal Astronomical Society, 1996, 280, 1046-1054.	4.4	81
165	Chemistry in anisotropic asymptotic giant branch winds. Monthly Notices of the Royal Astronomical Society, 1996, 282, L21-L25.	4.4	3
166	A 330-360 GHz spectral survey of G 34.3+0.15. I. Data and physical analysis. Astronomy and Astrophysics, 1996, 119, 333-367.	2.1	97
167	A study of carbon monoxide and neutral carbon in the SI 06 molecular core. Monthly Notices of the Royal Astronomical Society, 1995, , .	4.4	1
168	Structure and chemistry in the hot molecular core G34.3+0.15. Astrophysics and Space Science, 1995, 224, 177-180.	1.4	5
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170	Interstellar Alcohols. Astrophysical Journal, 1995, 448, 232.	4.5	175
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