

# Catherine Walsh

## List of Publications by Year in descending order

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134  
papers

6,202  
citations

71102

41  
h-index

76900

74  
g-index

135  
all docs

135  
docs citations

135  
times ranked

3416  
citing authors

#	ARTICLE	IF	CITATIONS
1	The UMIST database for astrochemistry 2012. <i>Astronomy and Astrophysics</i> , 2013, 550, A36.	5.1	714
2	Abundant molecular oxygen in the coma of comet 67P/Churyumov-Gerasimenko. <i>Nature</i> , 2015, 526, 678-681.	27.8	260
3	Grain Surface Models and Data for Astrochemistry. <i>Space Science Reviews</i> , 2017, 212, 1-58.	8.1	177
4	Negative Ions in Space. <i>Chemical Reviews</i> , 2017, 117, 1765-1795.	47.7	176
5	ALMA unveils rings and gaps in the protoplanetary system HD 169142: signatures of two giant protoplanets. <i>Astronomy and Astrophysics</i> , 2017, 600, A72.	5.1	176
6	Complex organic molecules in protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2014, 563, A33.	5.1	169
7	CHEMICAL PROCESSES IN PROTOPLANETARY DISKS. <i>Astrophysical Journal</i> , 2010, 722, 1607-1623.	4.5	168
8	FIRST DETECTION OF GAS-PHASE METHANOL IN A PROTOPLANETARY DISK. <i>Astrophysical Journal Letters</i> , 2016, 823, L10.	8.3	166
9	The molecular composition of the planet-forming regions of protoplanetary disks across the luminosity regime. <i>Astronomy and Astrophysics</i> , 2015, 582, A88.	5.1	133
10	CHEMICAL PROCESSES IN PROTOPLANETARY DISKS. II. ON THE IMPORTANCE OF PHOTOCHEMISTRY AND X-RAY IONIZATION. <i>Astrophysical Journal</i> , 2012, 747, 114.	4.5	123
11	Setting the volatile composition of (exo)planet-building material. <i>Astronomy and Astrophysics</i> , 2016, 595, A83.	5.1	123
12	Molecules with ALMA at Planet-forming Scales (MAPS). I. Program Overview and Highlights. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 1.	7.7	117
13	ALMA HINTS AT THE PRESENCE OF TWO COMPANIONS IN THE DISK AROUND HD 100546. <i>Astrophysical Journal Letters</i> , 2014, 791, L6.	8.3	114
14	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
15	Molecular abundances and C/O ratios in chemically evolving planet-forming disk midplanes. <i>Astronomy and Astrophysics</i> , 2018, 613, A14.	5.1	100
16	Hydrocarbon Anions in Interstellar Clouds and Circumstellar Envelopes. <i>Astrophysical Journal</i> , 2007, 662, L87-L90.	4.5	98
17	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.	5.1	98
18	CO destruction in protoplanetary disk midplanes: Inside versus outside the CO snow surface. <i>Astronomy and Astrophysics</i> , 2018, 618, A182.	5.1	94

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19	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
20	Molecules with ALMA at Planet-forming Scales (MAPS). V. CO Gas Distributions. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 5.	7.7	87
21	Sensitivity Analysis of Grain Surface Chemistry to Binding Energies of Ice Species. <i>Astrophysical Journal</i> , 2017, 844, 71.	4.5	84
22	CHEMICAL EVOLUTION OF PROTOPLANETARY DISKS—THE EFFECTS OF VISCOUS ACCRETION, TURBULENT MIXING, AND DISK WINDS. <i>Astrophysical Journal</i> , 2011, 731, 115.	4.5	82
23	THE EFFECTS OF MOLECULAR ANIONS ON THE CHEMISTRY OF DARK CLOUDS. <i>Astrophysical Journal</i> , 2009, 700, 752-761.	4.5	76
24	Cometary ices in forming protoplanetary disc midplanes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 977-993.	4.4	73
25	A primordial origin for molecular oxygen in comets: a chemical kinetics study of the formation and survival of O <sub>2</sub> ice from clouds to discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S99-S115.	4.4	70
26	Robustness of N <sub>2</sub> H <sup>+</sup> as tracer of the CO snowline. <i>Astronomy and Astrophysics</i> , 2017, 599, A101.	5.1	70
27	The Distribution and Excitation of CH <sub>3</sub> CN in a Solar Nebula Analog. <i>Astrophysical Journal</i> , 2018, 859, 131.	4.5	65
28	Grand Challenges in Protoplanetary Disc Modelling. <i>Publications of the Astronomical Society of Australia</i> , 2016, 33, .	3.4	61
29	CANDIDATE WATER VAPOR LINES TO LOCATE THE H <sub>2</sub> 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
30	Molecules with ALMA at Planet-forming Scales (MAPS). IV. Emission Surfaces and Vertical Distribution of Molecules. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 4.	7.7	58
31	Molecules with ALMA at Planet-forming Scales (MAPS). II. CLEAN Strategies for Synthesizing Images of Molecular Line Emission in Protoplanetary Disks. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 2.	7.7	58
32	Molecules with ALMA at Planet-forming Scales (MAPS). III. Characteristics of Radial Chemical Substructures. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 3.	7.7	57
33	Detecting Weak Spectral Lines in Interferometric Data through Matched Filtering. <i>Astronomical Journal</i> , 2018, 155, 182.	4.7	56
34	Molecules with ALMA at Planet-forming Scales (MAPS). XIV. Revealing Disk Substructures in Multiwavelength Continuum Emission. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 14.	7.7	56
35	Methanol along the path from envelope to protoplanetary disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 913-929.	4.4	55
36	The First Detection of <sup>13</sup> C <sup>17</sup> O in a Protoplanetary Disk: A Robust Tracer of Disk Gas Mass. <i>Astrophysical Journal Letters</i> , 2019, 882, L31.	8.3	54

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37	Abundant Refractory Sulfur in Protoplanetary Disks. <i>Astrophysical Journal</i> , 2019, 885, 114.	4.5	52
38	Molecules with ALMA at Planet-forming Scales (MAPS). XVIII. Kinematic Substructures in the Disks of HD 163296 and MWC 480. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 18.	7.7	51
39	Temperature Structures of Embedded Disks: Young Disks in Taurus Are Warm. <i>Astrophysical Journal</i> , 2020, 901, 166.	4.5	49
40	Chronology of Episodic Accretion in Protostars—An ALMA Survey of the CO and H <sub>2</sub> O Snowlines. <i>Astrophysical Journal</i> , 2019, 884, 149.	4.5	47
41	CO emission tracing a warp or radial flow within $\sim 100$ au in the HD 100546 protoplanetary disk. <i>Astronomy and Astrophysics</i> , 2017, 607, A114.	5.1	46
42	DISCOVERY OF INTERSTELLAR ANIONS IN CEPHEUS AND AURIGA. <i>Astrophysical Journal Letters</i> , 2011, 730, L18.	8.3	42
43	The complex chemistry of outflow cavity walls exposed: the case of low-mass protostars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 3836-3856.	4.4	42
44	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
45	An inherited complex organic molecule reservoir in a warm planet-hosting disk. <i>Nature Astronomy</i> , 2021, 5, 684-690.	10.1	40
46	Molecules with ALMA at Planet-forming Scales (MAPS). VII. Substellar O/H and C/H and Superstellar C/O in Planet-feeding Gas. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 7.	7.7	40
47	Water delivery from cores to disks: Deuteration as a probe of the prestellar inheritance of H <sub>2</sub> O. <i>Astronomy and Astrophysics</i> , 2017, 599, A40.	5.1	38
48	An Unbiased ALMA Spectral Survey of the LkCa 15 and MWC 480 Protoplanetary Disks. <i>Astrophysical Journal</i> , 2020, 893, 101.	4.5	38
49	Discovery of An au-scale Excess in Millimeter Emission from the Protoplanetary Disk around TW Hya. <i>Astrophysical Journal Letters</i> , 2019, 878, L8.	8.3	37
50	Molecules with ALMA at Planet-forming Scales (MAPS). VI. Distribution of the Small Organics HCN, C <sub>2</sub> H, and H <sub>2</sub> CO. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 6.	7.7	37
51	The TW Hya Rosetta Stone Project. III. Resolving the Gaseous Thermal Profile of the Disk. <i>Astrophysical Journal</i> , 2021, 908, 8.	4.5	35
52	Sequential planet formation in the HD 100546 protoplanetary disk?. <i>Astronomy and Astrophysics</i> , 2015, 580, A105.	5.1	35
53	Candidate Water Vapor Lines to Locate the H <sub>2</sub> 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
54	Sulphur monoxide exposes a potential molecular disk wind from the planet-hosting disk around HD 100546. <i>Astronomy and Astrophysics</i> , 2018, 611, A16.	5.1	34

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55	Upper limits on CH <sub>3</sub> OH in the HD 163296 protoplanetary disk. <i>Astronomy and Astrophysics</i> , 2019, 623, A124.	5.1	33
56	Molecules with ALMA at Planet-forming Scales (MAPS). XIX. Spiral Arms, a Tail, and Diffuse Structures Traced by CO around the GM Aur Disk. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 19.	7.7	33
57	Resolving structure of the disc around HD100546 at 7Åmm with ATCA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 414-438.	4.4	32
58	A low-mass protostar's disk-envelope interface: disk-shadowing evidence from ALMA DCO <sup>+</sup> observations of VLA1623. <i>Astronomy and Astrophysics</i> , 2015, 579, A114.	5.1	32
59	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
60	Probing midplane CO abundance and gas temperature with DCO <sup>+</sup> in the protoplanetary disk around HD 169142. <i>Astronomy and Astrophysics</i> , 2018, 614, A106.	5.1	31
61	Photodesorption of H <sub>2</sub> O, HDO, and D <sub>2</sub> O ice and its impact on fractionation. <i>Astronomy and Astrophysics</i> , 2015, 575, A121.	5.1	30
62	Molecules with ALMA at Planet-forming Scales (MAPS). IX. Distribution and Properties of the Large Organic Molecules HC <sub>3</sub> N, CH <sub>3</sub> CN, and c-C <sub>3</sub> H <sub>2</sub> . <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 9.	7.7	30
63	Molecules with ALMA at Planet-forming Scales (MAPS). XII. Inferring the C/O and S/H Ratios in Protoplanetary Disks with Sulfur Molecules. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 12.	7.7	30
64	Photodissociation and chemistry of N <sub>2</sub> in the circumstellar envelope of carbon-rich AGB stars. <i>Astronomy and Astrophysics</i> , 2014, 568, A111.	5.1	29
65	Dust Continuum Emission and the Upper Limit Fluxes of Submillimeter Water Lines of the Protoplanetary Disk around HD 163296 Observed by ALMA. <i>Astrophysical Journal</i> , 2019, 875, 96.	4.5	28
66	MOLECULAR LINE EMISSION FROM A PROTOPLANETARY DISK IRRADIATED EXTERNALLY BY A NEARBY MASSIVE STAR. <i>Astrophysical Journal Letters</i> , 2013, 766, L23.	8.3	27
67	The composition of hot Jupiter atmospheres assembled within chemically evolved protoplanetary discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 2229-2244.	4.4	27
68	Water in low-mass star-forming regions with <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2014, 572, A81.	5.1	26
69	Molecules with ALMA at Planet-forming Scales. XX. The Massive Disk around GM Aurigae. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 20.	7.7	26
70	Probing Episodic Accretion in Very Low Luminosity Objects. <i>Astrophysical Journal</i> , 2018, 854, 15.	4.5	25
71	Cometary compositions compared with protoplanetary disk midplane chemical evolution. <i>Astronomy and Astrophysics</i> , 2019, 629, A84.	5.1	25
72	Molecules with ALMA at Planet-forming Scales (MAPS). XI. CN and HCN as Tracers of Photochemistry in Disks. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 11.	7.7	25

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73	THE DISSOCIATIVE RECOMBINATION OF PROTONATED ACRYLONITRILE, CH <sub>2</sub> CHCNH <sup>+</sup> , WITH IMPLICATIONS FOR THE NITRILE CHEMISTRY IN DARK MOLECULAR CLOUDS AND THE UPPER ATMOSPHERE OF TITAN. <i>Astrophysical Journal</i> , 2009, 695, 317-324.	4.5	24
74	Molecules with ALMA at Planet-forming Scales (MAPS). XIII. HCO <sup>+</sup> and Disk Ionization Structure. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 13.	7.7	24
75	Complex organic molecules along the accretion flow in isolated and externally irradiated protoplanetary disks. <i>Faraday Discussions</i> , 2014, 168, 389-421.	3.2	23
76	CH abundance gradient in TMC-1. <i>Astronomy and Astrophysics</i> , 2011, 531, A121.	5.1	22
77	Linking interstellar and cometary O <sub>2</sub> : a deep search for <sup>16</sup> O <sup>18</sup> O in the solar-type protostar IRAS 16293â€“2422. <i>Astronomy and Astrophysics</i> , 2018, 618, A11.	5.1	22
78	Molecules with ALMA at Planet-forming Scales (MAPS). VIII. CO Gap in AS 209â€“Gas Depletion or Chemical Processing?. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 8.	7.7	22
79	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
80	Methanol ice co-desorption as a mechanism to explain cold methanol in the gas-phase. <i>Astronomy and Astrophysics</i> , 2018, 612, A88.	5.1	21
81	Molecules with ALMA at Planet-forming Scales (MAPS). XV. Tracing Protoplanetary Disk Structure within 20 au. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 15.	7.7	21
82	Complex Organic Molecules tracing shocks along the outflow cavity in the high-mass protostar IRAS20126+4104. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stx004.	4.4	20
83	Molecules with ALMA at Planet-forming Scales (MAPS). XVI. Characterizing the Impact of the Molecular Wind on the Evolution of the HD 163296 System. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 16.	7.7	20
84	Observing substructure in circumstellar discs around massive young stellar objects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 4673-4686.	4.4	19
85	The Effect of Carbon Grain Destruction on the Chemical Structure of Protoplanetary Disks. <i>Astrophysical Journal</i> , 2019, 870, 129.	4.5	19
86	The TW Hya Rosetta Stone Project. II. Spatially Resolved Emission of Formaldehyde Hints at Low-temperature Gas-phase Formation. <i>Astrophysical Journal</i> , 2021, 906, 111.	4.5	19
87	DISSOCIATIVE RECOMBINATION OF PROTONATED FORMIC ACID: IMPLICATIONS FOR MOLECULAR CLOUD AND COMETARY CHEMISTRY. <i>Astrophysical Journal</i> , 2010, 709, 1429-1434.	4.5	19
88	Molecules with ALMA at Planet-forming Scales (MAPS). XVII. Determining the 2D Thermal Structure of the HD 163296 Disk. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 17.	7.7	19
89	Candidate Water Vapor Lines to Locate the H <sub>2</sub> O Snowline through High-dispersion Spectroscopic Observations. III. Submillimeter H <sub>2</sub> <sup>16</sup> O and H <sub>2</sub> <sup>18</sup> O Lines. <i>Astrophysical Journal</i> , 2018, 855, 62.	4.5	18
90	The Nitrogen Carrier in Inner Protoplanetary Disks. <i>Astrophysical Journal</i> , 2019, 874, 92.	4.5	18

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91	X-ray-induced chemistry of water and related molecules in low-mass protostellar envelopes. <i>Astronomy and Astrophysics</i> , 2021, 650, A180.	5.1	18
92	Formation of cometary O <sub>2</sub> ice and related ice species on grain surfaces in the midplane of the pre-solar nebula. <i>Astronomy and Astrophysics</i> , 2019, 621, A75.	5.1	17
93	The TW Hya Rosetta Stone Project. I. Radial and Vertical Distributions of DCN and DCO <sup>+</sup> . <i>Astronomical Journal</i> , 2021, 161, 38.	4.7	16
94	Chemical modelling of dust-gas chemistry within AGB outflows – I. Effect on the gas-phase chemistry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 2023-2041.	4.4	15
95	Molecules with ALMA at Planet-forming Scales (MAPS). X. Studying Deuteration at High Angular Resolution toward Protoplanetary Disks. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 10.	7.7	15
96	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
97	Chemical signatures of a warped protoplanetary disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4821-4837.	4.4	13
98	A revised lower estimate of ozone columns during Earth's oxygenated history. <i>Royal Society Open Science</i> , 2022, 9, 211165.	2.4	13
99	Observing protoplanetary discs with the Square Kilometre Array – I. Characterizing pebble substructure caused by forming planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 5116-5127.	4.4	11
100	The chemistry of extragalactic carbon stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 2689-2702.	4.4	10
101	The TW Hya Rosetta Stone Project IV: A Hydrocarbon-rich Disk Atmosphere. <i>Astrophysical Journal</i> , 2021, 911, 29.	4.5	10
102	Dissociative Recombination of D <sub>3</sub> S <sup>+</sup> : Product Branching Fractions and Absolute Cross Sections. <i>Astrophysical Journal</i> , 2008, 681, 1717-1724.	4.5	9
103	Complex cyanides as chemical clocks in hot cores. <i>Astronomy and Astrophysics</i> , 2018, 616, A67.	5.1	9
104	First detections of H <sup>13</sup> CO <sup>+</sup> and HC <sup>15</sup> N in the disk around HD 97048. <i>Astronomy and Astrophysics</i> , 2019, 629, A75.	5.1	9
105	Organic molecular anions in interstellar and circumstellar environments. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 157-160.	0.0	8
106	Dissociative recombination of the acetaldehyde cation, CH <sub>3</sub> CHO <sup>+</sup> . <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11670.	2.8	8
107	Methanol formation in TW Hya and future prospects for detecting larger complex molecules in disks with ALMA. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 395-402.	0.0	7
108	VLA cm-wave survey of young stellar objects in the Oph A cluster: constraining extreme UV- and X-ray-driven disk photoevaporation. <i>Astronomy and Astrophysics</i> , 2019, 631, A58.	5.1	6



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109	Chemical modelling of dust-gas chemistry within AGB outflows II. Effect of the dust-grain size distribution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 1650-1665.	4.4	6
110	Unveiling the outer dust disc of TW Hya with deep ALMA observations. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2022, 515, L23-L28.	3.0	6
111	Chemical modelling of dust-gas chemistry within AGB outflows 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
112	ALMA High-resolution Multiband Analysis for the Protoplanetary Disk around TW Hya. <i>Astrophysical Journal</i> , 2022, 928, 49.	4.5	5
113	Astrochemical modelling of infrared dark clouds. <i>Astronomy and Astrophysics</i> , 2022, 662, A39.	5.1	5
114	Different molecular filament widths as tracers of accretion on to filaments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 1244-1253.	4.4	4
115	On the origin of O <sub>2</sub> and other volatile species in comets. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 187-195.	0.0	3
116	Fevering Interstellar Ices Have More CH <sub>3</sub> OD. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1171-1188.	2.7	3
117	Cosmic Rays, UV Photons, and Haze Formation in the Upper Atmospheres of Hot Jupiters. <i>Proceedings of the International Astronomical Union</i> , 2013, 8, 303-304.	0.0	2
118	Surface astrochemistry: a computational chemistry perspective. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 293-304.	0.0	2
119	Hot core chemistry in young stellar objects: protoplanetary disks and outflows. <i>EAS Publications Series</i> , 2011, 52, 229-234.	0.3	1
120	Unraveling the Dust Formation Process in R Dor. <i>EAS Publications Series</i> , 2015, 71-72, 255-257.	0.3	1
121	Water in Protoplanetary Disks. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 235-237.	0.0	0
122	An end-to-end Far-infrared Interferometer Instrument Simulator (FIInS). <i>Proceedings of SPIE</i> , 2014, . .	0.8	0
123	Highlights from Faraday Discussion 168: Astrochemistry of Dust, Ice and Gas, Leiden, The Netherlands, April 2014. <i>Chemical Communications</i> , 2014, 50, 13636-13644.	4.1	0
124	Chemical complexity in protoplanetary disks in the era of ALMA and Rosetta. <i>EAS Publications Series</i> , 2015, 75-76, 315-320.	0.3	0
125	Interstellar Methanol from the Lab to Protoplanetary Disks. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, .	0.0	0
126	Possibility to locate the position of the H <sub>2</sub> O snowline in protoplanetary disks through spectroscopic observations. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 113-120.	0.0	0



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127	Chemical evolution in planet-forming regions. Impact on volatile abundances and C/O ratios of planet-building material. Proceedings of the International Astronomical Union, 2017, 13, 69-72.	0.0	0
128	Chemistry in carbon-rich protoplanetary disks: Effect of carbon grain destruction. Proceedings of the International Astronomical Union, 2018, 14, 289-290.	0.0	0
129	ALMA observations of sulfur-bearing molecules in protoplanetary disks. Proceedings of the International Astronomical Union, 2018, 14, 360-361.	0.0	0
130	Possibility to locate the position of the H <sub>2</sub> O snowline in protoplanetary disks through spectroscopic observations. Proceedings of the International Astronomical Union, 2018, 14, 393-395.	0.0	0
131	Complex organic molecules tracing the comet-forming zones in protoplanetary disks. Proceedings of the International Astronomical Union, 2019, 15, 463-464.	0.0	0
132	Molecular line emission from planet-forming Herbig Ae disks. Proceedings of the International Astronomical Union, 2019, 15, 384-385.	0.0	0
133	Tracing the disk, envelope and outflow cavity of VLA1623 with ALMA. EAS Publications Series, 2015, 75-76, 287-288.	0.3	0
134	Water transport from collapsing prestellar cores to forming disks: evolution of the HDO/H <sub>2</sub> O ratio. EAS Publications Series, 2015, 75-76, 259-263.	0.3	0