

Edwin A Bergin

List of Publications by Year in descending order

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Version: 2024-02-01

249
papers

17,220
citations

10650

74
h-index

21843

118
g-index

254
all docs

254
docs citations

254
times ranked

6822
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging the Water Snowline around Protostars with Water and HCO ⁺ Isotopologues. <i>Astrophysical Journal</i> , 2022, 924, 5.	1.6	10
2	Tracing pebble drift and trapping using radial carbon depletion profiles in protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2022, 660, A126.	2.1	16
3	The ODYSSEUS Survey. Motivation and First Results: Accretion, Ejection, and Disk Irradiation of CVSO 109. <i>Astronomical Journal</i> , 2022, 163, 114.	1.9	15
4	A Novel Way of Measuring the Gas Disk Mass of Protoplanetary Disks Using N ₂ H ⁺ and C ¹⁸ O. <i>Astrophysical Journal Letters</i> , 2022, 926, L2.	3.0	12
5	Thermal Desorption of Interstellar Ices: A Review on the Controlling Parameters and Their Implications from Snowlines to Chemical Complexity. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 597-630.	1.2	55
6	Chemical Feedback of Pebble Growth: Impacts on CO depletion and C/O ratios. <i>Astrophysical Journal</i> , 2022, 927, 206.	1.6	11
7	New Constraints on Protoplanetary Disk Gas Masses in Lupus. <i>Astrophysical Journal</i> , 2022, 927, 229.	1.6	12
8	First Images of Phosphorus Molecules toward a Protosolar Analog. <i>Astrophysical Journal</i> , 2022, 927, 7.	1.6	4
9	Water UV-shielding in the Terrestrial Planet-forming Zone: Implications from Water Emission. <i>Astrophysical Journal Letters</i> , 2022, 930, L26.	3.0	13
10	Disk Evolution Study through Imaging of Nearby Young Stars (DESTINYs): A Panchromatic View of DO Tau's Complex Kilo-astronomical-unit Environment. <i>Astrophysical Journal</i> , 2022, 930, 171.	1.6	7
11	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
12	Binarity of a protostar affects the evolution of the disk and planets. <i>Nature</i> , 2022, 606, 272-275.	13.7	11
13	The Young Embedded Disk L1527 IRS: Constraints on the Water Snowline and Cosmic-Ray Ionization Rate from HCO ⁺ Observations. <i>Astrophysical Journal</i> , 2022, 932, 6.	1.6	0
14	Water UV-shielding in the Terrestrial Planet-forming Zone: Implications for Carbon Dioxide Emission. <i>Astrophysical Journal Letters</i> , 2022, 933, L40.	3.0	7
15	Astrochemistry and compositions of planetary systems. <i>Physics Reports</i> , 2021, 893, 1-48.	10.3	128
16	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.	1.6	19
17	The TW Hya Rosetta Stone Project. III. Resolving the Gaseous Thermal Profile of the Disk. <i>Astrophysical Journal</i> , 2021, 908, 8.	1.6	35
18	Early volatile depletion on planetesimals inferred from ³⁴ S systematics of iron meteorite parent bodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	31

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19	Observing Carbon and Oxygen Carriers in Protoplanetary Disks at Mid-infrared Wavelengths. <i>Astrophysical Journal</i> , 2021, 909, 55.	1.6	19
20	Destruction of Refractory Carbon Grains Drives the Final Stage of Protoplanetary Disk Chemistry. <i>Astrophysical Journal</i> , 2021, 910, 3.	1.6	15
21	Earth's carbon deficit caused by early loss through irreversible sublimation. <i>Science Advances</i> , 2021, 7, .	4.7	27
22	An Atacama Large Millimeter/submillimeter Array Survey of Chemistry in Disks around M4–M5 Stars. <i>Astrophysical Journal</i> , 2021, 911, 150.	1.6	6
23	The TW Hya Rosetta Stone Project IV: A Hydrocarbon-rich Disk Atmosphere. <i>Astrophysical Journal</i> , 2021, 911, 29.	1.6	10
24	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
25	Reimagining the Water Snowline. <i>Astrophysical Journal Letters</i> , 2021, 918, L10.	3.0	7
26	Propionamide (C ₂ H ₅ CONH ₂): The Largest Peptide-like Molecule in Space. <i>Astrophysical Journal</i> , 2021, 919, 4.	1.6	13
27	The TW Hya Rosetta Stone Project. I. Radial and Vertical Distributions of DCN and DCO ⁺ . <i>Astronomical Journal</i> , 2021, 161, 38.	1.9	16
28	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.	3.0	40
29	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.	3.0	15
30	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.	3.0	51
31	Molecules with ALMA at Planet-forming Scales (MAPS). IX. Distribution and Properties of the Large Organic Molecules HC ₃ N, CH ₃ CN, and c-C ₃ H ₂ . <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 9.	3.0	30
32	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.	3.0	33
33	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.	3.0	58
34	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.	3.0	30
35	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.	3.0	19
36	Molecules with ALMA at Planet-forming Scales (MAPS). I. Program Overview and Highlights. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 1.	3.0	117

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37	Molecules with ALMA at Planet-forming Scales (MAPS). VI. Distribution of the Small Organics HCN, C ₂ H, and H ₂ CO. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 6.	3.0	37
38	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.	3.0	20
39	Molecules with ALMA at Planet-forming Scales (MAPS). V. CO Gas Distributions. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 5.	3.0	87
40	Molecules with ALMA at Planet-forming Scales (MAPS). III. Characteristics of Radial Chemical Substructures. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 3.	3.0	57
41	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.	3.0	21
42	Molecules with ALMA at Planet-forming Scales (MAPS). VIII. CO Gap in AS 209 – Gas Depletion or Chemical Processing?. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 8.	3.0	22
43	Molecules with ALMA at Planet-forming Scales (MAPS). XIII. HCO ⁺ and Disk Ionization Structure. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 13.	3.0	24
44	Molecules with ALMA at Planet-forming Scales. XX. The Massive Disk around GM Aurigae. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 20.	3.0	26
45	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.	3.0	58
46	Discovery of Molecular-line Polarization in the Disk of TW Hya. <i>Astrophysical Journal</i> , 2021, 922, 139.	1.6	10
47	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.	3.0	25
48	Carbon-grain Sublimation: A New Top-down Component of Protostellar Chemistry. <i>Astrophysical Journal Letters</i> , 2020, 897, L38.	3.0	20
49	An Unbiased ALMA Spectral Survey of the LkCa 15 and MWC 480 Protoplanetary Disks. <i>Astrophysical Journal</i> , 2020, 893, 101.	1.6	38
50	Mass constraints for 15 protoplanetary discs from HD 1 – O. <i>Astronomy and Astrophysics</i> , 2020, 634, A88.	2.1	37
51	Hints of a Population of Solar System Analog Planets from ALMA. <i>Astrophysical Journal Letters</i> , 2020, 895, L46.	3.0	10
52	Distribution of Water Vapor in Molecular Clouds. II. <i>Astrophysical Journal</i> , 2020, 892, 22.	1.6	5
53	Unusually high CO abundance of the first active interstellar comet. <i>Nature Astronomy</i> , 2020, 4, 861-866.	4.2	62
54	Missing water in Class I protostellar disks. <i>Astronomy and Astrophysics</i> , 2020, 636, A26.	2.1	18

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55	An Evolutionary Study of Volatile Chemistry in Protoplanetary Disks. <i>Astrophysical Journal</i> , 2020, 898, 97.	1.6	34
56	CO Depletion in Protoplanetary Disks: A Unified Picture Combining Physical Sequestration and Chemical Processing. <i>Astrophysical Journal</i> , 2020, 899, 134.	1.6	87
57	Chemical Evolution in a Protoplanetary Disk within Planet Carved Gaps and Dust Rings. <i>Astrophysical Journal</i> , 2020, 905, 68.	1.6	21
58	Excess C/H in Protoplanetary Disk Gas from Icy Pebble Drift Across the CO Snowline. <i>Astrophysical Journal Letters</i> , 2020, 891, L16.	3.0	32
59	Rapid Evolution of Volatile CO from the Protostellar Disk Stage to the Protoplanetary Disk Stage. <i>Astrophysical Journal Letters</i> , 2020, 891, L17.	3.0	43
60	Physical and chemical fingerprint of protostellar disc formation. <i>Astronomy and Astrophysics</i> , 2019, 626, A71.	2.1	45
61	Systematic Variations of CO Gas Abundance with Radius in Gas-rich Protoplanetary Disks. <i>Astrophysical Journal</i> , 2019, 883, 98.	1.6	70
62	Probing the Gas Content of Late-stage Protoplanetary Disks with N_2H^+ . <i>Astrophysical Journal</i> , 2019, 881, 127.	1.6	20
63	Probing CO and N_2 Snow Surfaces in Protoplanetary Disks with N_2H^+ Emission. <i>Astrophysical Journal</i> , 2019, 882, 160.	1.6	47
64	Line Ratios Reveal N_2H^+ Emission Originates above the Midplane in TW Hydrae. <i>Astrophysical Journal Letters</i> , 2019, 876, L13.	3.0	3
65	Unlocking CO Depletion in Protoplanetary Disks. II. Primordial C/H Predictions inside the CO Snowline. <i>Astrophysical Journal</i> , 2019, 877, 131.	1.6	27
66	A Survey of C_2H , HCN, and $C^{18}O$ in Protoplanetary Disks. <i>Astrophysical Journal</i> , 2019, 876, 25.	1.6	66
67	Spiral Structure in the Gas Disk of TW Hya. <i>Astrophysical Journal Letters</i> , 2019, 884, L56.	3.0	43
68	Meridional flows in the disk around a young star. <i>Nature</i> , 2019, 574, 378-381.	13.7	138
69	Detection of Phosphorus-bearing Molecules toward a Solar-type Protostar. <i>Astrophysical Journal Letters</i> , 2019, 884, L36.	3.0	27
70	Abundant Refractory Sulfur in Protoplanetary Disks. <i>Astrophysical Journal</i> , 2019, 885, 114.	1.6	52
71	Unlocking CO Depletion in Protoplanetary Disks. I. The Warm Molecular Layer. <i>Astrophysical Journal</i> , 2018, 856, 85.	1.6	82
72	Chemistry During the Gas-Rich Stage of Planet Formation. , 2018, , 1-30.		1

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73	Evidence for a Vertical Dependence on the Pressure Structure in AS 209. <i>Astrophysical Journal</i> , 2018, 868, 113.	1.6	50
74	Chemistry During the Gas-Rich Stage of Planet Formation. , 2018, , 2221-2250.		7
75	Temperature, Mass, and Turbulence: A Spatially Resolved Multiband Non-LTE Analysis of CS in TW Hya. <i>Astrophysical Journal</i> , 2018, 864, 133.	1.6	75
76	Imaging the water snowline in a protostellar envelope with H ¹³ CO ⁺ . <i>Astronomy and Astrophysics</i> , 2018, 613, A29.	2.1	23
77	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
78	Chemistry of a newly detected circumbinary disk in Ophiuchus. <i>Astronomy and Astrophysics</i> , 2018, 614, A26.	2.1	22
79	Constraints on the Cosmic-Ray Ionization Rate in the z ^{1/4} Lensed Galaxies SMM J2135â€‘0102 and SDP 17b from Observations of OH ⁺ and H ₂ O ⁺ . <i>Astrophysical Journal</i> , 2018, 865, 127.	1.6	29
80	Protoplanetary Disk Sizes and Angular Momentum Transport. <i>Astrophysical Journal</i> , 2018, 864, 168.	1.6	41
81	Exploring the Origins of Earthâ€™s Nitrogen: Astronomical Observations of Nitrogen-bearing Organics in Protostellar Environments. <i>Astrophysical Journal</i> , 2018, 866, 156.	1.6	8
82	Transport of CO in Protoplanetary Disks: Consequences of Pebble Formation, Settling, and Radial Drift. <i>Astrophysical Journal</i> , 2018, 864, 78.	1.6	94
83	The Origins Space Telescope. <i>Nature Astronomy</i> , 2018, 2, 596-599.	4.2	41
84	First Detection of the Simplest Organic Acid in a Protoplanetary Disk*. <i>Astrophysical Journal Letters</i> , 2018, 862, L2.	3.0	73
85	CO in Protostars (COPS): <i>Herschel</i> -SPIRE Spectroscopy of Embedded Protostars ⁺ . <i>Astrophysical Journal</i> , 2018, 860, 174.	1.6	24
86	A Kinematical Detection of Two Embedded Jupiter-mass Planets in HD 163296. <i>Astrophysical Journal Letters</i> , 2018, 860, L12.	3.0	218
87	<i>Herschel</i> /HIFI spectral line survey of the Orion Bar. <i>Astronomy and Astrophysics</i> , 2017, 599, A22.	2.1	27
88	Large-scale Spectroscopic Mapping of the ï•Ophiuchi Molecular Cloud Complex. I. The C ₂ H-to-N ₂ H ⁺ Ratio as a Signpost of Cloud Characteristics. <i>Astrophysical Journal</i> , 2017, 836, 194.	1.6	13
89	Mass inventory of the giant-planet formation zone in a solar nebula analogue. <i>Nature Astronomy</i> , 2017, 1, .	4.2	100
90	Survey of Cold Water Lines in Protoplanetary Disks: Indications of Systematic Volatile Depletion. <i>Astrophysical Journal</i> , 2017, 842, 98.	1.6	66

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91	Destruction of Refractory Carbon in Protoplanetary Disks. <i>Astrophysical Journal</i> , 2017, 845, 13.	1.6	42
92	Variable H ¹³ CO ⁺ Emission in the IM Lup Disk: X-Ray Driven Time-dependent Chemistry?. <i>Astrophysical Journal Letters</i> , 2017, 843, L3.	3.0	44
93	Formation of wide binaries by turbulent fragmentation. <i>Nature Astronomy</i> , 2017, 1, .	4.2	34
94	Composition of early planetary atmospheres – II. Coupled Dust and chemical evolution in protoplanetary discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 3910-3927.	1.6	38
95	CO Spectral Line Energy Distributions in Galactic Sources: Empirical Interpretation of Extragalactic Observations ⁺ . <i>Astrophysical Journal</i> , 2017, 836, 117.	1.6	12
96	Unveiling the mid-plane temperature and mass distribution in the giant-planet formation zone. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 103-108.	0.0	0
97	The Determination of Protoplanetary Disk Masses. <i>Astrophysics and Space Science Library</i> , 2017, , 1-37.	1.0	25
98	Origin of warm and hot gas emission from low-mass protostars: <i>Herschel</i> -HIFI observations of CO <i>J</i> = 16–15. <i>Astronomy and Astrophysics</i> , 2017, 605, A93.	2.1	25
99	The complexity of Orion: an ALMA view. <i>Astronomy and Astrophysics</i> , 2017, 604, L2.	2.1	28
100	Water around IRAS 15398–3359 observed with ALMA. <i>Astronomy and Astrophysics</i> , 2016, 595, A39.	2.1	26
101	MASS MEASUREMENTS IN PROTOPLANETARY DISKS FROM HYDROGEN DEUTERIDE. <i>Astrophysical Journal</i> , 2016, 831, 167.	1.6	151
102	THE RADIAL DISTRIBUTION OF H ₂ AND CO IN TW HYA AS REVEALED BY RESOLVED ALMA OBSERVATIONS OF CO ISOTOPOLOGUES. <i>Astrophysical Journal</i> , 2016, 823, 91.	1.6	163
103	A UNIFORM CATALOG OF MOLECULAR CLOUDS IN THE MILKY WAY. <i>Astrophysical Journal</i> , 2016, 822, 52.	1.6	129
104	TRACING WATER VAPOR AND ICE DURING DUST GROWTH. <i>Astrophysical Journal</i> , 2016, 833, 285.	1.6	70
105	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
106	EXCESS C/O AND C/H IN OUTER PROTOPLANETARY DISK GAS. <i>Astrophysical Journal Letters</i> , 2016, 831, L19.	3.0	78
107	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
108	First detection of gas-phase ammonia in a planet-forming disk. <i>Astronomy and Astrophysics</i> , 2016, 591, A122.	2.1	52

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109	Water in star-forming regions with <i>Herschel</i> (WISH). <i>Astronomy and Astrophysics</i> , 2016, 590, A105.	2.1	26
110	ON THE COMMONALITY OF 10–30 AU SIZED AXISYMMETRIC DUST STRUCTURES IN PROTOPLANETARY DISKS. <i>Astrophysical Journal Letters</i> , 2016, 818, L16.	3.0	117
111	HYDROCARBON EMISSION RINGS IN PROTOPLANETARY DISKS INDUCED BY DUST EVOLUTION. <i>Astrophysical Journal</i> , 2016, 831, 101.	1.6	149
112	EXPLORING THE ORIGINS OF DEUTERIUM ENRICHMENTS IN SOLAR NEBULAR ORGANICS. <i>Astrophysical Journal</i> , 2016, 819, 13.	1.6	43
113	CHEMICAL IMAGING OF THE CO SNOW LINE IN THE HD 163296 DISK. <i>Astrophysical Journal</i> , 2015, 813, 128.	1.6	111
114	EVIDENCE FOR DCO ⁺ AS A PROBE OF IONIZATION IN THE WARM DISK SURFACE. <i>Astrophysical Journal Letters</i> , 2015, 802, L23.	3.0	28
115	VOLATILE DEPLETION IN THE TW HYDRAE DISK ATMOSPHERE. <i>Astrophysical Journal Letters</i> , 2015, 807, L32.	3.0	76
116	Search for water and life's building blocks in the universe: A summary. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 436-440.	0.0	0
117	TRACING EMBEDDED STELLAR POPULATIONS IN CLUSTERS AND GALAXIES USING MOLECULAR EMISSION: METHANOL AS A SIGNATURE OF THE LOW-MASS END OF THE IMF. <i>Astrophysical Journal Letters</i> , 2015, 807, L25.	3.0	3
118	Search for water and life's building blocks in the Universe. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 375-375.	0.0	0
119	Molecule sublimation as a tracer of protostellar accretion. <i>Astronomy and Astrophysics</i> , 2015, 579, A23.	2.1	66
120	Water deuteration and ortho-to-para nuclear spin ratio of H ₂ in molecular clouds formed via the accumulation of ¹⁸ O gas. <i>Astronomy and Astrophysics</i> , 2015, 584, A124.	2.1	51
121	C ₂ H observations toward the Orion Bar. <i>Astronomy and Astrophysics</i> , 2015, 578, A124.	2.1	30
122	EVIDENCE OF FAST PEBBLE GROWTH NEAR CONDENSATION FRONTS IN THE HL TAU PROTOPLANETARY DISK. <i>Astrophysical Journal Letters</i> , 2015, 806, L7.	3.0	297
123	VELOCITY-RESOLVED [C ii] EMISSION AND [C ii]/FIR MAPPING ALONG ORION WITH <i>HERSCHEL</i> .	1.6	88
124	<i>HERSCHEL</i> FAR-INFRARED SPECTRAL-MAPPING OF ORION BN/KL OUTFLOWS: SPATIAL DISTRIBUTION OF EXCITED CO, H ₂ O, OH, O, AND C ⁺ IN SHOCKED GAS. <i>Astrophysical Journal</i> , 2015, 799, 102.	1.6	41
125	THE D/H RATIO OF WATER ICE AT LOW TEMPERATURES. <i>Astrophysical Journal</i> , 2015, 799, 104.	1.6	11
126	CONSTRAINING THE X-RAY AND COSMIC-RAY IONIZATION CHEMISTRY OF THE TW Hya PROTOPLANETARY DISK: EVIDENCE FOR A SUB-INTERSTELLAR COSMIC-RAY RATE. <i>Astrophysical Journal</i> , 2015, 799, 204.	1.6	151

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127	Tracing the ingredients for a habitable earth from interstellar space through planet formation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8965-8970.	3.3	136
128	Prebiotic chemistry on the rocks. Nature, 2015, 520, 161-162.	13.7	2
129	<i>HERSCHEL</i> OBSERVATIONS OF EXTRAORDINARY SOURCES: ANALYSIS OF THE HIFI 1.2 THz WIDE SPECTRAL SURVEY TOWARD ORION KL II. CHEMICAL IMPLICATIONS. Astrophysical Journal, 2015, 806, 239.	1.6	24
130	INDIRECT DETECTION OF FORMING PROTOPLANETS VIA CHEMICAL ASYMMETRIES IN DISKS. Astrophysical Journal, 2015, 807, 2.	1.6	40
131	THE WARM CO GAS ALONG THE UV-HEATED OUTFLOW CAVITY WALLS: A POSSIBLE INTERPRETATION FOR THE <i>HERSCHEL</i> /PACS CO SPECTRA OF EMBEDDED YSOs. Astrophysical Journal, Supplement Series, 2015, 217, 30.	3.0	9
132	THE DISTRIBUTION OF DEUTERATED FORMALDEHYDE WITHIN ORION-KL. Astrophysical Journal, 2015, 808, 155.	1.6	3
133	Chemical tracers of episodic accretion in low-mass protostars. Astronomy and Astrophysics, 2015, 577, A102.	2.1	54
134	<i>HERSCHEL</i> OBSERVATIONS OF EXTRA-ORDINARY SOURCES: H ₂ S AS A PROBE OF DENSE GAS AND POSSIBLY HIDDEN LUMINOSITY TOWARD THE ORION KL HOT CORE. Astrophysical Journal, 2014, 781, 114.	1.6	36
135	A PHOTON-DOMINATED REGION MODEL FOR THE FIR MID- <i>J</i> CO LADDER WITH UNIVERSAL ROTATIONAL TEMPERATURE IN STAR FORMING REGIONS. Astrophysical Journal, Supplement Series, 2014, 213, 33.	3.0	8
136	Astrobiology: An astronomer's perspective. , 2014, , .		2
137	THE EFFECTS OF INITIAL ABUNDANCES ON NITROGEN IN PROTOPLANETARY DISKS. Astrophysical Journal, 2014, 797, 113.	1.6	30
138	¹³ C-METHYL FORMATE: OBSERVATIONS OF A SAMPLE OF HIGH-MASS STAR-FORMING REGIONS INCLUDING ORION-KL AND SPECTROSCOPIC CHARACTERIZATION. Astrophysical Journal, Supplement Series, 2014, 215, 25.	3.0	31
139	<i>HERSCHEL</i> HIFI OBSERVATIONS OF O ₂ TOWARD ORION: SPECIAL CONDITIONS FOR SHOCK ENHANCED EMISSION. Astrophysical Journal, 2014, 793, 111.	1.6	33
140	<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
141	<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
142	EXCLUSION OF COSMIC RAYS IN PROTOPLANETARY DISKS. II. CHEMICAL GRADIENTS AND OBSERVATIONAL SIGNATURES. Astrophysical Journal, 2014, 794, 123.	1.6	69
143	Exploring the origins of carbon in terrestrial worlds ^{â€} . Faraday Discussions, 2014, 168, 61.	1.6	63
144	WATER VAPOR DISTRIBUTION IN PROTOPLANETARY DISKS. Astrophysical Journal, 2014, 792, 2.	1.6	72

#	ARTICLE	IF	CITATIONS
145	The ancient heritage of water ice in the solar system. <i>Science</i> , 2014, 345, 1590-1593.	6.0	229
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150	Imaging of the CO Snow Line in a Solar Nebula Analog. <i>Science</i> , 2013, 341, 630-632.	6.0	252
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