

Ewine van Dishoeck

List of Publications by Year in descending order

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186
papers

19,890
citations

9775

73
h-index

10724

138
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187
all docs

187
docs citations

187
times ranked

6746
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex Organic Interstellar Molecules. <i>Annual Review of Astronomy and Astrophysics</i> , 2009, 47, 427-480.	8.1	1,265
2	THE <i>SPITZER</i> c2d LEGACY RESULTS: STAR-FORMATION RATES AND EFFICIENCIES; EVOLUTION AND LIFETIMES. <i>Astrophysical Journal, Supplement Series</i> , 2009, 181, 321-350.	3.0	1,244
3	An atomic and molecular database for analysis of submillimetre line observations. <i>Astronomy and Astrophysics</i> , 2005, 432, 369-379.	2.1	1,146
4	The photodissociation and chemistry of interstellar CO. <i>Astrophysical Journal</i> , 1988, 334, 771.	1.6	791
5	A Major Asymmetric Dust Trap in a Transition Disk. <i>Science</i> , 2013, 340, 1199-1202.	6.0	492
6	ALMA SURVEY OF LUPUS PROTOPLANETARY DISKS. I. DUST AND GAS MASSES. <i>Astrophysical Journal</i> , 2016, 828, 46.	1.6	478
7	Comprehensive models of diffuse interstellar clouds - Physical conditions and molecular abundances. <i>Astrophysical Journal, Supplement Series</i> , 1986, 62, 109.	3.0	436
8	CHEMICAL EVOLUTION OF STAR-FORMING REGIONS. <i>Annual Review of Astronomy and Astrophysics</i> , 1998, 36, 317-368.	8.1	435
9	THE <i>SPITZER</i> ICE LEGACY: ICE EVOLUTION FROM CORES TO PROTOSTARS. <i>Astrophysical Journal</i> , 2011, 740, 109.	1.6	423
10	Formation rates of complex organics in UV irradiated CH ₃ OH-rich ices. <i>Astronomy and Astrophysics</i> , 2009, 504, 891-913.	2.1	378
11	Hydrogenation reactions in interstellar CO ice analogues. <i>Astronomy and Astrophysics</i> , 2009, 505, 629-639.	2.1	343
12	An old disk still capable of forming a planetary system. <i>Nature</i> , 2013, 493, 644-646.	13.7	285
13	Interstellar Water Chemistry: From Laboratory to Observations. <i>Chemical Reviews</i> , 2013, 113, 9043-9085.	23.0	278
14	ALMA Survey of Lupus Protoplanetary Disks. II. Gas Disk Radii. <i>Astrophysical Journal</i> , 2018, 859, 21.	1.6	268
15	The ALMA Protostellar Interferometric Line Survey (PILS). <i>Astronomy and Astrophysics</i> , 2016, 595, A117.	2.1	267
16	Abundant molecular oxygen in the coma of comet 67P/Churyumov-Gerasimenko. <i>Nature</i> , 2015, 526, 678-681.	13.7	260
17	Detection of the Water Reservoir in a Forming Planetary System. <i>Science</i> , 2011, 334, 338-340.	6.0	258
18	An ALMA Survey of Protoplanetary Disks in the ρ Orionis Cluster. <i>Astronomical Journal</i> , 2017, 153, 240.	1.9	243

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19	Photodesorption of ices I: CO, N_2 , and CO_2 . <i>Astronomy and Astrophysics</i> , 2009, 496, 281-293.	2.1	227
20	DETECTION OF THE SIMPLEST SUGAR, GLYCOLALDEHYDE, IN A SOLAR-TYPE PROTOSTAR WITH ALMA. <i>Astrophysical Journal Letters</i> , 2012, 757, L4.	3.0	207
21	c2dSpitzerIRS Spectra of Disks around T Tauri Stars. I. Silicate Emission and Grain Growth. <i>Astrophysical Journal</i> , 2006, 639, 275-291.	1.6	206
22	Laboratory Evidence for Efficient Water Formation in Interstellar Ices. <i>Astrophysical Journal</i> , 2008, 686, 1474-1479.	1.6	206
23	Spectroastrometric Imaging of Molecular Gas within Protoplanetary Disk Gaps. <i>Astrophysical Journal</i> , 2008, 684, 1323-1329.	1.6	194
24	The warm gas atmosphere of the HD 100546 disk seen by <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2012, 541, A91.	2.1	185
25	<i>HERSCHEL</i> SURVEY OF GALACTIC OH , H_2O , AND H_3O^+ : PROBING THE MOLECULAR HYDROGEN FRACTION AND COSMIC-RAY IONIZATION RATE. <i>Astrophysical Journal</i> , 2015, 800, 40.	1.6	183
26	Photoprocesses in protoplanetary disks. <i>Faraday Discussions</i> , 2006, 133, 231.	1.6	181
27	H_2O and OH Gas in the Terrestrial Planet-forming Zones of Protoplanetary Disks. <i>Astrophysical Journal</i> , 2008, 676, L49-L52.	1.6	180
28	Fast and inefficient star formation due to short-lived molecular clouds and rapid feedback. <i>Nature</i> , 2019, 569, 519-522.	13.7	178
29	ALMA unveils rings and gaps in the protoplanetary system HD 169142: signatures of two giant protoplanets. <i>Astronomy and Astrophysics</i> , 2017, 600, A72.	2.1	176
30	The <i>Spitzer</i> c2d Survey of Weak-Line T Tauri Stars. II. New Constraints on the Timescale for Planet Building. <i>Astrophysical Journal</i> , 2007, 667, 308-328.	1.6	173
31	The VLA/ALMA Nascent Disk and Multiplicity (VANDAM) Survey of Orion Protostars. II. A Statistical Characterization of Class 0 and Class I Protostellar Disks. <i>Astrophysical Journal</i> , 2020, 890, 130.	1.6	170
32	Photodesorption of CO Ice. <i>Astrophysical Journal</i> , 2007, 662, L23-L26.	1.6	166
33	Resolved gas cavities in transitional disks inferred from CO isotopologs with ALMA. <i>Astronomy and Astrophysics</i> , 2016, 585, A58.	2.1	166
34	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
35	Photodesorption of water ice. <i>Astronomy and Astrophysics</i> , 2008, 491, 907-916.	2.1	157
36	A COLD COMPLEX CHEMISTRY TOWARD THE LOW-MASS PROTOSTAR B1-b: EVIDENCE FOR COMPLEX MOLECULE PRODUCTION IN ICES. <i>Astrophysical Journal</i> , 2010, 716, 825-834.	1.6	156

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37	Probing dust grain evolution in IM Lupi's circumstellar disc. <i>Astronomy and Astrophysics</i> , 2008, 489, 633-650.	2.1	145
38	Lupus disks with faint CO isotopologues: low gas/dust or high carbon depletion?. <i>Astronomy and Astrophysics</i> , 2017, 599, A113.	2.1	142
39	Gas density drops inside dust cavities of transitional disks around young stars observed with ALMA. <i>Astronomy and Astrophysics</i> , 2015, 579, A106.	2.1	139
40	THE <i>SPITZER</i> SPECTROSCOPIC SURVEY OF ICES AROUND LOW-MASS YOUNG STELLAR OBJECTS. IV. NH ₃ AND CH ₃ OH. <i>Astrophysical Journal</i> , 2010, 718, 1100-1117.	1.6	136
41	Evidence for a correlation between mass accretion rates onto young stars and the mass of their protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2016, 591, L3.	2.1	134
42	The molecular composition of the planet-forming regions of protoplanetary disks across the luminosity regime. <i>Astronomy and Astrophysics</i> , 2015, 582, A88.	2.1	133
43	Microscopic simulation of methanol and formaldehyde ice formation in cold dense cores. <i>Astronomy and Astrophysics</i> , 2009, 508, 275-287.	2.1	132
44	The <i>Spitzer</i> Survey of Large, Nearby, Interstellar Clouds. XI. Lupus Observed with IRAC and MIPS. <i>Astrophysical Journal</i> , Supplement Series, 2008, 177, 551-583.	3.0	127
45	Protoplanetary disk masses from CO isotopologue line emission. <i>Astronomy and Astrophysics</i> , 2014, 572, A96.	2.1	125
46	Setting the volatile composition of (exo)planet-building material. <i>Astronomy and Astrophysics</i> , 2016, 595, A83.	2.1	123
47	A <i>SPITZER</i> LEGACY SURVEY TO IDENTIFY AND CHARACTERIZE DISKS WITH INNER DUST HOLES. <i>Astrophysical Journal</i> , 2010, 718, 1200-1223.	1.6	116
48	Dust masses of young disks: constraining the initial solid reservoir for planet formation. <i>Astronomy and Astrophysics</i> , 2020, 640, A19.	2.1	114
49	Physical properties of dusty protoplanetary disks in Lupus: evidence for viscous evolution?. <i>Astronomy and Astrophysics</i> , 2017, 606, A88.	2.1	109
50	Gas structure inside dust cavities of transition disks: Ophiuchus IRS 48 observed by ALMA. <i>Astronomy and Astrophysics</i> , 2014, 562, A26.	2.1	108
51	Different dust and gas radial extents in protoplanetary disks: consistent models of grain growth and CO emission. <i>Astronomy and Astrophysics</i> , 2017, 605, A16.	2.1	107
52	THE <i>SPITZER</i> SURVEY OF WEAK-LINE T TAURI STARS. III. THE TRANSITION FROM PRIMORDIAL DISKS TO DEBRIS DISKS. <i>Astrophysical Journal</i> , 2010, 724, 835-854.	1.6	103
53	The VLA Nascent Disk and Multiplicity Survey of Perseus Protostars (VANDAM). IV. Free-Free Emission from Protostars: Links to Infrared Properties, Outflow Tracers, and Protostellar Disk Masses. <i>Astrophysical Journal</i> , Supplement Series, 2018, 238, 19.	3.0	103
54	Determining protoplanetary disk gas masses from CO isotopologues line observations. <i>Astronomy and Astrophysics</i> , 2016, 594, A85.	2.1	100

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55	Molecular Cloud Structure in the Magellanic Clouds: Effect of Metallicity. <i>Astrophysical Journal</i> , 1998, 498, 735-756.	1.6	100
56	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
57	DIGIT survey of far-infrared lines from protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2013, 559, A77.	2.1	95
58	Water formation at low temperatures by surface O ₂ hydrogenation I: characterization of ice penetration. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12065.	1.3	92
59	Cosmic-ray Induced Destruction of CO in Star-forming Galaxies. <i>Astrophysical Journal</i> , 2017, 839, 90.	1.6	92
60	The ALMA-PILS survey: First detections of ethylene oxide, acetone and propanal toward the low-mass protostar IRAS 16293-2422. <i>Astronomy and Astrophysics</i> , 2017, 597, A53.	2.1	89
61	ALMA imaging of the CO snowline of the HD 163296 disk with DCO ⁺ . <i>Astronomy and Astrophysics</i> , 2013, 557, A132.	2.1	88
62	New Insights into the Nature of Transition Disks from a Complete Disk Survey of the Lupus Star-forming Region. <i>Astrophysical Journal</i> , 2018, 854, 177.	1.6	88
63	Detection of abundant solid methanol toward young low mass stars. <i>Astronomy and Astrophysics</i> , 2003, 404, L17-L20.	2.1	88
64	MEASURING PROTOPLANETARY DISK ACCRETION WITH H I PFUND \hat{I}^2 . <i>Astrophysical Journal</i> , 2013, 769, 21.	1.6	87
65	An ALMA Survey of DCN/H ¹³ CN and DCO ⁺ /H ¹³ CO ⁺ in Protoplanetary Disks. <i>Astrophysical Journal</i> , 2017, 835, 231.	1.6	87
66	The ALMA-PILS survey: inventory of complex organic molecules towards IRAS 16293-2422 A. <i>Astronomy and Astrophysics</i> , 2020, 635, A48.	2.1	87
67	A RECENT ACCRETION BURST IN THE LOW-MASS PROTOSTAR IRAS 15398-3359: ALMA IMAGING OF ITS RELATED CHEMISTRY. <i>Astrophysical Journal Letters</i> , 2013, 779, L22.	3.0	85
68	DOUBLE DCO ⁺ RINGS REVEAL CO ICE DESORPTION IN THE OUTER DISK AROUND IM LUP. <i>Astrophysical Journal</i> , 2015, 810, 112.	1.6	83
69	The ALMA-PILS survey: detection of CH ₃ NCO towards the low-mass protostar IRAS 16293-2422 and laboratory constraints on its formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 2219-2229.	1.6	83
70	VLT-CRIRES SURVEY OF ROVIBRATIONAL CO EMISSION FROM PROTOPLANETARY DISKS. <i>Astrophysical Journal</i> , 2013, 770, 94.	1.6	82
71	Formation of Glycerol through Hydrogenation of CO Ice under Prestellar Core Conditions. <i>Astrophysical Journal</i> , 2017, 842, 52.	1.6	80
72	Peering into the formation history of \hat{I}^2 Pictoris b with VLTI/GRAVITY long-baseline interferometry. <i>Astronomy and Astrophysics</i> , 2020, 633, A110.	2.1	78

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73	Sensitive limits on the abundance of cold water vapor in the ρ AURIGAE protoplanetary disk. <i>Astronomy and Astrophysics</i> , 2010, 521, L33.	2.1	76
74	FIRST DETECTION OF NEAR-INFRARED LINE EMISSION FROM ORGANICS IN YOUNG CIRCUMSTELLAR DISKS. <i>Astrophysical Journal</i> , 2012, 747, 92.	1.6	72
75	Single peaked CO emission line profiles from the inner regions of protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2011, 527, A119.	2.1	72
76	Gas versus dust sizes of protoplanetary discs: effects of dust evolution. <i>Astronomy and Astrophysics</i> , 2019, 629, A79.	2.1	71
77	A primordial origin for molecular oxygen in comets: a chemical kinetics study of the formation and survival of O_2 ice from clouds to discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S99-S115.	1.6	70
78	Robustness of N_2 as tracer of the CO snowline. <i>Astronomy and Astrophysics</i> , 2017, 599, A101.	2.1	70
79	Physical Properties of Molecular Clouds at 2 pc Resolution in the Low-metallicity Dwarf Galaxy NGC 6822 and the Milky Way. <i>Astrophysical Journal</i> , 2017, 835, 278.	1.6	69
80	Evidence for a massive dust-trapping vortex connected to spirals. <i>Astronomy and Astrophysics</i> , 2018, 619, A161.	2.1	69
81	A non-energetic mechanism for glycine formation in the interstellar medium. <i>Nature Astronomy</i> , 2021, 5, 197-205.	4.2	69
82	Simultaneous hydrogenation and UV-photolysis experiments of NO in CO-rich interstellar ice analogues; linking HNCO, OCN, NH_2 CHO, and NH_2 OH. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 4297-4309.	1.6	67
83	Survey of Cold Water Lines in Protoplanetary Disks: Indications of Systematic Volatile Depletion. <i>Astrophysical Journal</i> , 2017, 842, 98.	1.6	66
84	Observations and modelling of CO and $[C\ II]$ in protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2016, 588, A108.	2.1	64
85	A SUBSTELLAR-MASS PROTOSTAR AND ITS OUTFLOW OF IRAS 15398-3359 REVEALED BY SUBARCSECOND-RESOLUTION OBSERVATIONS OF N_2 CO AND CCH. <i>Astrophysical Journal</i> , 2014, 795, 152.	1.6	61
86	ALMA survey of Class II protoplanetary disks in Corona Australis: a young region with low disk masses. <i>Astronomy and Astrophysics</i> , 2019, 626, A11.	2.1	61
87	Molecular dynamics simulations of the ice temperature dependence of water ice photodesorption. <i>Journal of Chemical Physics</i> , 2010, 132, .	1.2	60
88	The (w)hole survey: An unbiased sample study of transition disk candidates based on <i>Spitzer</i> catalogs. <i>Astronomy and Astrophysics</i> , 2016, 592, A126.	2.1	60
89	Bright C_2 H emission in protoplanetary discs in Lupus: high volatile C/O > 1 ratios. <i>Astronomy and Astrophysics</i> , 2019, 631, A69.	2.1	59
90	Constraining the Nature of the PDS 70 Protoplanets with VLTI/GRAVITY μ -GRAVITY. <i>Astronomical Journal</i> , 2021, 161, 148.	1.9	59

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91	MOLECULAR OXYGEN IN OORT CLOUD COMET 1P/HALLEY. <i>Astrophysical Journal Letters</i> , 2015, 815, L11.	3.0	55
92	Testing particle trapping in transition disks with ALMA. <i>Astronomy and Astrophysics</i> , 2015, 584, A16.	2.1	55
93	High-resolution ALMA Observations of HD 100546: Asymmetric Circumstellar Ring and Circumplanetary Disk Upper Limits. <i>Astrophysical Journal</i> , 2019, 871, 48.	1.6	54
94	Reactive Desorption of CO Hydrogenation Products under Cold Pre-stellar Core Conditions. <i>Astrophysical Journal</i> , 2018, 853, 102.	1.6	51
95	Complex organic molecules in low-mass protostars on Solar System scales. <i>Astronomy and Astrophysics</i> , 2020, 639, A87.	2.1	51
96	A 30 AU RADIUS CO GAS HOLE IN THE DISK AROUND THE HERBIG Ae STAR Oph IRS 48. <i>Astrophysical Journal</i> , 2012, 744, 116.	1.6	50
97	The Herschel-PACS Legacy of Low-mass Protostars: The Properties of Warm and Hot Gas Components and Their Origin in Far-UV Illuminated Shocks. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 30.	3.0	50
98	An experimental study of the surface formation of methane in interstellar molecular clouds. <i>Nature Astronomy</i> , 2020, 4, 781-785.	4.2	50
99	[O I] $63\mu\text{m}$ JETS IN CLASS 0 SOURCES DETECTED BY <i>HERSCHEL</i> . <i>Astrophysical Journal</i> , 2015, 801, 121.	1.6	49
100	Methanol and its Relation to the Water Snowline in the Disk around the Young Outbursting Star V883 Ori. <i>Astrophysical Journal Letters</i> , 2018, 864, L23.	3.0	49
101	CN rings in full protoplanetary disks around young stars as probes of disk structure. <i>Astronomy and Astrophysics</i> , 2018, 609, A93.	2.1	49
102	Temperature Structures of Embedded Disks: Young Disks in Taurus Are Warm. <i>Astrophysical Journal</i> , 2020, 901, 166.	1.6	49
103	THE DEPLETION OF WATER DURING DISPERSAL OF PLANET-FORMING DISK REGIONS. <i>Astrophysical Journal</i> , 2017, 834, 152.	1.6	48
104	Chronology of Episodic Accretion in Protostars: An ALMA Survey of the CO and H_2O Snowlines. <i>Astrophysical Journal</i> , 2019, 884, 149.	1.6	47
105	V1094 Scorpii: A rare giant multi-ringed disk around a T Tauri star. <i>Astronomy and Astrophysics</i> , 2018, 616, A88.	2.1	45
106	Chemistry in low-mass protostellar and protoplanetary regions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12249-12256.	3.3	44
107	Unveiling the physical conditions of the youngest disks. <i>Astronomy and Astrophysics</i> , 2018, 615, A83.	2.1	44
108	High gas-to-dust size ratio indicating efficient radial drift in the mm-faint CX Tauri disk. <i>Astronomy and Astrophysics</i> , 2019, 626, L2.	2.1	43

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109	Probing inner and outer disk misalignments in transition disks. <i>Astronomy and Astrophysics</i> , 2022, 658, A183.	2.1	42
110	Spectroscopic properties of young stellar objects in the Lupus molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 418, 1194-1207.	1.6	40
111	Warm H ₂ O and OH in the disk around the Herbig star HD 163296. <i>Astronomy and Astrophysics</i> , 2012, 544, L9.	2.1	40
112	CO ₂ infrared emission as a diagnostic of planet-forming regions of disks. <i>Astronomy and Astrophysics</i> , 2017, 601, A36.	2.1	40
113	Observed sizes of planet-forming disks trace viscous spreading. <i>Astronomy and Astrophysics</i> , 2020, 640, A5.	2.1	39
114	Disks and outflows in CO rovibrational emission from embedded, low-mass young stellar objects. <i>Astronomy and Astrophysics</i> , 2011, 533, A112.	2.1	37
115	HIGH D ₂ O/HDO RATIO IN THE INNER REGIONS OF THE LOW-MASS PROTOSTAR NGC 1333 IRAS2A. <i>Astrophysical Journal Letters</i> , 2014, 792, L5.	3.0	37
116	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
117	Infrared spectra of complex organic molecules in astronomically relevant ice matrices. <i>Astronomy and Astrophysics</i> , 2018, 611, A35.	2.1	34
118	Disk masses in the Orion Molecular Cloud-2: distinguishing time and environment. <i>Astronomy and Astrophysics</i> , 2019, 628, A85.	2.1	34
119	Complex organic molecules in low-mass protostars on Solar System scales. <i>Astronomy and Astrophysics</i> , 2021, 650, A150.	2.1	34
120	Cold gas as an ice diagnostic toward low mass protostars. <i>Astronomy and Astrophysics</i> , 2009, 494, L13-L16.	2.1	34
121	<i>HERSCHEL</i> HIFI OBSERVATIONS OF O ₂ TOWARD ORION: SPECIAL CONDITIONS FOR SHOCK ENHANCED EMISSION. <i>Astrophysical Journal</i> , 2014, 793, 111.	1.6	33
122	Protoplanetary disk masses in NGC 2024: Evidence for two populations. <i>Astronomy and Astrophysics</i> , 2020, 640, A27.	2.1	33
123	A Multi-wavelength Analysis of Dust and Gas in the SR 24S Transition Disk. <i>Astrophysical Journal</i> , 2017, 839, 99.	1.6	32
124	Probing midplane CO abundance and gas temperature with DCO ⁺ in the protoplanetary disk around HD 169142. <i>Astronomy and Astrophysics</i> , 2018, 614, A106.	2.1	31
125	The ALMA Lupus protoplanetary disk survey: evidence for compact gas disks and molecular rings from CN. <i>Astronomy and Astrophysics</i> , 2019, 623, A150.	2.1	31
126	Photodesorption of H ₂ O, HDO, and D ₂ O ice and its impact on fractionation. <i>Astronomy and Astrophysics</i> , 2015, 575, A121.	2.1	30

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127	Metallicity Dependence of the H/H_2 and $C^{+}/C/CO$ Distributions in a Resolved Self-regulating Interstellar Medium. <i>Astrophysical Journal</i> , 2021, 920, 44.	1.6	30
128	A New Planet Candidate Detected in a Dust Gap of the Disk around HD 163296 through Localized Kinematic Signatures: An Observational Validation of the discriminator. <i>Astrophysical Journal</i> , 2022, 928, 2.	1.6	30
129	First Results of an ALMA Band 10 Spectral Line Survey of NGC 6334I: Detections of Glycolaldehyde ($HC(O)CH_2OH$) and a New Compact Bipolar Outflow in HDO and CS. <i>Astrophysical Journal Letters</i> , 2018, 863, L35.	3.0	29
130	Formation of interstellar propanal and 1-propanol ice: a pathway involving solid-state CO hydrogenation. <i>Astronomy and Astrophysics</i> , 2019, 627, A1.	2.1	29
131	Formation of complex molecules in translucent clouds: acetaldehyde, vinyl alcohol, ketene, and ethanol via nonenergetic processing of C_2H_2 ice. <i>Astronomy and Astrophysics</i> , 2020, 635, A199.	2.1	29
132	Temperature profiles of young disk-like structures. <i>Astronomy and Astrophysics</i> , 2020, 633, A7.	2.1	27
133	Astrochemistry: overview and challenges. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 3-22.	0.0	26
134	The Co-evolution of Disks and Stars in Embedded Stages: The Case of the Very-low-mass Protostar IRAS 15398-3359. <i>Astrophysical Journal Letters</i> , 2018, 864, L25.	3.0	26
135	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
136	CO in Protostars (COPS): Herschel-SPIRE Spectroscopy of Embedded Protostars. <i>Astrophysical Journal</i> , 2018, 860, 174.	1.6	24
137	Impact of vertical gas accretion on the carbon-to-oxygen ratio of gas giant atmospheres. <i>Astronomy and Astrophysics</i> , 2020, 635, A68.	2.1	24
138	A dusty filament and turbulent CO spirals in HD 135344B - SAO 206462. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 3789-3809.	1.6	24
139	Prestellar grain-surface origins of deuterated methanol in comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 4901-4920.	1.6	24
140	Chemically tracing the water snowline in protoplanetary disks with HCO^{+} . <i>Astronomy and Astrophysics</i> , 2021, 646, A3.	2.1	23
141	An ALMA Survey of β Orionis Disks: From Supernovae to Planet Formation. <i>Astronomical Journal</i> , 2020, 160, 248.	1.9	23
142	Solving Grain Size Inconsistency between ALMA Polarization and VLA Continuum in the Ophiuchus IRS 48 Protoplanetary Disk. <i>Astrophysical Journal</i> , 2020, 900, 81.	1.6	23
143	Linking interstellar and cometary O_2 : a deep search for $^{16}O^{18}O$ in the solar-type protostar IRAS 16293-2422. <i>Astronomy and Astrophysics</i> , 2018, 618, A11.	2.1	22
144	Modeling accretion shocks at the disk-envelope interface. <i>Astronomy and Astrophysics</i> , 2021, 653, A159.	2.1	21

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145	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
146	The Disc Miner. <i>Astronomy and Astrophysics</i> , 2021, 650, A179.	2.1	19
147	The VLA/ALMA Nascent Disk And Multiplicity (VANDAM) Survey of Orion Protostars. V. A Characterization of Protostellar Multiplicity. <i>Astrophysical Journal</i> , 2022, 925, 39.	1.6	19
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