

# Christian Brinch

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,992  
citations

304368

22  
h-index

288905

40  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1667  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Distribution of <i>mcr</i> Gene Variants in 214K Metagenomic Samples. <i>MSystems</i> , 2022, 7, e0010522.	1.7	17
2	Long-Term Temporal Stability of the Resistome in Sewage from Copenhagen. <i>MSystems</i> , 2020, 5, .	1.7	6
3	The gut microbiome but not the resistome is associated with urogenital schistosomiasis in preschool-aged children. <i>Communications Biology</i> , 2020, 3, 155.	2.0	33
4	Effect of the 3D distribution on water observations made with the SWI. <i>Astronomy and Astrophysics</i> , 2020, 637, A90.	2.1	6
5	Global Hydromagnetic Simulations of Protoplanetary Disks with Stellar Irradiation and Simplified Thermochemistry. <i>Astrophysical Journal</i> , 2020, 896, 126.	1.6	55
6	Organic Complexity in Protostellar Disk Candidates. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1564-1575.	1.2	21
7	Episodic accretion in focus: revealing the environment of FU Orionis-type stars. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 87-90.	0.0	0
8	Chemistry of a newly detected circumbinary disk in Ophiuchus. <i>Astronomy and Astrophysics</i> , 2018, 614, A26.	2.1	22
9	The ALMA-PILS survey: 3D modeling of the envelope, disks and dust filament of IRAS 16293-2422. <i>Astronomy and Astrophysics</i> , 2018, 612, A72.	2.1	43
10	H <sub>2</sub> CO Distribution and Formation in the TW HYA Disk. <i>Astrophysical Journal</i> , 2017, 839, 43.	1.6	38
11	Mass Transport from the Envelope to the Disk of V346 Nor: A Case Study for the Luminosity Problem in an FUor-type Young Eruptive Star. <i>Astrophysical Journal</i> , 2017, 843, 45.	1.6	20
12	Interferometric view of the circumstellar envelopes of northern FU Orionis-type stars. <i>Astronomy and Astrophysics</i> , 2017, 607, A39.	2.1	19
13	A young bipolar outflow from IRAS 15398-3359. <i>Astronomy and Astrophysics</i> , 2016, 587, A145.	2.1	17
14	First detection of gas-phase ammonia in a planet-forming disk. <i>Astronomy and Astrophysics</i> , 2016, 591, A122.	2.1	52
15	MISALIGNED DISKS IN THE BINARY PROTOSTAR IRS 43. <i>Astrophysical Journal Letters</i> , 2016, 830, L16.	3.0	90
16	Simulator of GALaxy Millimetre/submillimetre Emission (SĀgame): CO emission from massive $\hat{A}=2$ main-sequence galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 3306-3333.	1.6	13
17	SIMULATOR OF GALAXY MILLIMETER/SUBMILLIMETER EMISSION (SĀGAME): THE [C ii] SFR RELATIONSHIP OF MASSIVE $\hat{A}=2$ MAIN SEQUENCE GALAXIES. <i>Astrophysical Journal</i> , 2015, 814, 76.	1.6	47
18	Resolving the shocked gas in HH 54 with Herschel. <i>Astronomy and Astrophysics</i> , 2014, 571, A90.	2.1	2

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19	Interferometer predictions with triangulated images: solving the multiscale problem. Monthly Notices of the Royal Astronomical Society, 2014, 440, 3285-3291.	1.6	0
20	DYNAMICAL STRUCTURE OF THE INNER 100 AU OF THE DEEPLY EMBEDDED PROTOSTAR IRAS 16293â€“2422. Astrophysical Journal, 2014, 790, 55.	1.6	22
21	ALMA observations of the kinematics and chemistry of disc formation. Astronomy and Astrophysics, 2014, 566, A74.	2.1	56
22	Dimethyl ether in its ground state, $v=0$ , and lowest two torsionally excited states, $v_{11}=1$ and $v_{15}=1$ , in the high-mass star-forming region G327.3-0.6. Astronomy and Astrophysics, 2013, 552, A122.	2.1	20
23	A RECENT ACCRETION BURST IN THE LOW-MASS PROTOSTAR IRAS 15398-3359: ALMA IMAGING OF ITS RELATED CHEMISTRY. Astrophysical Journal Letters, 2013, 779, L22.	3.0	85
24	Interplay between chemistry and dynamics in embedded protostellar disks. Astronomy and Astrophysics, 2013, 559, A82.	2.1	26
25	Adaptable radiative transfer innovations for submillimetre telescopes (ARTIST). Astronomy and Astrophysics, 2012, 543, A16.	2.1	35
26	Modelling <i>Herschel</i> observations of hot molecular gas emission from embedded low-mass protostars. Astronomy and Astrophysics, 2012, 537, A55.	2.1	92
27	Detection of the Water Reservoir in a Forming Planetary System. Science, 2011, 334, 338-340.	6.0	258
28	Water in Star-forming Regions with the <i>Herschel</i> Space Observatory (WISH). I. Overview of Key Program and First Results. Publications of the Astronomical Society of the Pacific, 2011, 123, 138-170.	1.0	206
29	WISHes coming true: water in low-mass star-forming regions with <i>Herschel</i> . EAS Publications Series, 2011, 52, 177-180.	0.3	0
30	A single-dish survey of the $\text{HCO}^+$ , HCN, and CN emission toward the T Tauri disk population in Taurus. Astronomy and Astrophysics, 2011, 536, A80.	2.1	13
31	Adaptable Radiative Transfer Innovations for Submillimeter Telescopes (ARTIST). Proceedings of the International Astronomical Union, 2010, 6, 451-454.	0.0	2
32	Sensitive limits on the abundance of cold water vapor in the T Tauri protoplanetary disk. Astronomy and Astrophysics, 2010, 521, L33.	2.1	76
33	LIME â€“ a flexible, non-LTE line excitation and radiation transfer method for millimeter and far-infrared wavelengths. Astronomy and Astrophysics, 2010, 523, A25.	2.1	209
34	Water in low-mass star-forming regions with <i>Herschel</i> . Astronomy and Astrophysics, 2010, 521, L30.	2.1	72
35	Methanol maps of low-mass protostellar systems. Astronomy and Astrophysics, 2010, 516, A57.	2.1	43
36	Origin of the hot gas in low-mass protostars. Astronomy and Astrophysics, 2010, 518, L121.	2.1	89

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37	The kinematics of NGC 1333-IRAS2A – a true Class 0 protostar. <i>Astronomy and Astrophysics</i> , 2009, 502, 199-205.	2.1	36
38	Modeling the chemical evolution of a collapsing prestellar core in two spatial dimensions. <i>Astronomy and Astrophysics</i> , 2009, 497, 773-787.	2.1	20
39	Characterizing the velocity field in hydrodynamical simulations of low-mass star formation using spectral line profiles. <i>Astronomy and Astrophysics</i> , 2008, 489, 607-616.	2.1	14
40	Time-dependent CO depletion during the formation of protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2008, 489, 617-625.	2.1	8
41	A deeply embedded young protoplanetary disk around L1489 IRS observed by the Submillimeter Array. <i>Astronomy and Astrophysics</i> , 2007, 475, 915-923.	2.1	52
42	Structure and dynamics of the class I young stellar object L1489 IRS. <i>Astronomy and Astrophysics</i> , 2007, 461, 1037-1047.	2.1	38
43	Searching for gas-rich disks around T Tauri stars in Lupus. <i>Astronomy and Astrophysics</i> , 2007, 461, 983-990.	2.1	19