

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	Detection of the Water Reservoir in a Forming Planetary System. <i>Science</i> , 2011, 334, 338-340.	6.0	258
2	LIME – a flexible, non-LTE line excitation and radiation transfer method for millimeter and far-infrared wavelengths. <i>Astronomy and Astrophysics</i> , 2010, 523, A25.	2.1	209
3	Water in Star-forming Regions with the <i>Herschel</i> Space Observatory (WISH). I. Overview of Key Program and First Results. <i>Publications of the Astronomical Society of the Pacific</i> , 2011, 123, 138-170.	1.0	206
4	Modelling <i>Herschel</i> observations of hot molecular gas emission from embedded low-mass protostars. <i>Astronomy and Astrophysics</i> , 2012, 537, A55.	2.1	92
5	MISALIGNED DISKS IN THE BINARY PROTOSTAR IRS 43. <i>Astrophysical Journal Letters</i> , 2016, 830, L16.	3.0	90
6	Origin of the hot gas in low-mass protostars. <i>Astronomy and Astrophysics</i> , 2010, 518, L121.	2.1	89
7	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
8	Sensitive limits on the abundance of cold water vapor in the <i>ADM</i> Tauri protoplanetary disk. <i>Astronomy and Astrophysics</i> , 2010, 521, L33.	2.1	76
9	Water in low-mass star-forming regions with <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2010, 521, L30.	2.1	72
10	ALMA observations of the kinematics and chemistry of disc formation. <i>Astronomy and Astrophysics</i> , 2014, 566, A74.	2.1	56
11	Global Hydromagnetic Simulations of Protoplanetary Disks with Stellar Irradiation and Simplified Thermochemistry. <i>Astrophysical Journal</i> , 2020, 896, 126.	1.6	55
12	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
13	First detection of gas-phase ammonia in a planet-forming disk. <i>Astronomy and Astrophysics</i> , 2016, 591, A122.	2.1	52
14	SIMULATOR OF GALAXY MILLIMETER/SUBMILLIMETER EMISSION (SĀGAME): THE [C ii] – SFR RELATIONSHIP OF MASSIVE $z \approx 2$ MAIN SEQUENCE GALAXIES. <i>Astrophysical Journal</i> , 2015, 814, 76.	1.6	47
15	Methanol maps of low-mass protostellar systems. <i>Astronomy and Astrophysics</i> , 2010, 516, A57.	2.1	43
16	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
17	Structure and dynamics of the class I young stellar object L1489 IRS. <i>Astronomy and Astrophysics</i> , 2007, 461, 1037-1047.	2.1	38
18	H ₂ CO Distribution and Formation in the TW HYA Disk. <i>Astrophysical Journal</i> , 2017, 839, 43.	1.6	38

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19	The kinematics of NGC 1333-IRAS2A – a true Class 0 protostar. <i>Astronomy and Astrophysics</i> , 2009, 502, 199-205.	2.1	36
20	Adaptable radiative transfer innovations for submillimetre telescopes (ARTIST). <i>Astronomy and Astrophysics</i> , 2012, 543, A16.	2.1	35
21	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
22	Interplay between chemistry and dynamics in embedded protostellar disks. <i>Astronomy and Astrophysics</i> , 2013, 559, A82.	2.1	26
23	DYNAMICAL STRUCTURE OF THE INNER 100 AU OF THE DEEPLY EMBEDDED PROTOSTAR IRAS 16293 – 2422. <i>Astrophysical Journal</i> , 2014, 790, 55.	1.6	22
24	Chemistry of a newly detected circumbinary disk in Ophiuchus. <i>Astronomy and Astrophysics</i> , 2018, 614, A26.	2.1	22
25	Organic Complexity in Protostellar Disk Candidates. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1564-1575.	1.2	21
26	Dimethyl ether in its ground state, $v=0$, and lowest two torsionally excited states, $v_1=1$ and $v_2=1$, in the high-mass star-forming region G327.3-0.6. <i>Astronomy and Astrophysics</i> , 2013, 552, A122.	2.1	20
27	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
28	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
29	Searching for gas-rich disks around T Tauri stars in Lupus. <i>Astronomy and Astrophysics</i> , 2007, 461, 983-990.	2.1	19
30	Interferometric view of the circumstellar envelopes of northern FU Ori-type stars. <i>Astronomy and Astrophysics</i> , 2017, 607, A39.	2.1	19
31	A young bipolar outflow from IRAS 15398-3359. <i>Astronomy and Astrophysics</i> , 2016, 587, A145.	2.1	17
32	Global Distribution of <i>mcr</i> Gene Variants in 214K Metagenomic Samples. <i>MSystems</i> , 2022, 7, e0010522.	1.7	17
33	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
34	Simulator of GALaxy Millimetre/submillimetre Emission (sGAME): CO emission from massive $z=2$ main-sequence galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 3306-3333.	1.6	13
35	A single-dish survey of the HCO ⁺ , HCN, and CN emission toward the T Tauri disk population in Taurus. <i>Astronomy and Astrophysics</i> , 2011, 536, A80.	2.1	13
36	Time-dependent CO depletion during the formation of protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2008, 489, 617-625.	2.1	8

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37	Long-Term Temporal Stability of the Resistome in Sewage from Copenhagen. MSystems, 2020, 5, .	1.7	6
38	Effect of the 3D distribution on water observations made with the SWI. Astronomy and Astrophysics, 2020, 637, A90.	2.1	6
39	Adaptable Radiative Transfer Innovations for Submillimeter Telescopes (ARTIST). Proceedings of the International Astronomical Union, 2010, 6, 451-454.	0.0	2
40	Resolving the shocked gas in HHâ€‰54 with Herschel. Astronomy and Astrophysics, 2014, 571, A90.	2.1	2
41	WISHes coming true: water in low-mass star-forming regions with Herschel. EAS Publications Series, 2011, 52, 177-180.	0.3	0
42	Interferometer predictions with triangulated images: solving the multiscale problem. Monthly Notices of the Royal Astronomical Society, 2014, 440, 3285-3291.	1.6	0
43	Episodic accretion in focus: revealing the environment of FU Orionis-type stars. Proceedings of the International Astronomical Union, 2018, 14, 87-90.	0.0	0