

Christian Brinch

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,992
citations

304743

22
h-index

289244

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.	3.8	17
2	Long-Term Temporal Stability of the Resistome in Sewage from Copenhagen. <i>MSystems</i> , 2020, 5, .	3.8	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.	4.4	33
4	Effect of the 3D distribution on water observations made with the SWI. <i>Astronomy and Astrophysics</i> , 2020, 637, A90.	5.1	6
5	Global Hydromagnetic Simulations of Protoplanetary Disks with Stellar Irradiation and Simplified Thermochemistry. <i>Astrophysical Journal</i> , 2020, 896, 126.	4.5	55
6	Organic Complexity in Protostellar Disk Candidates. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1564-1575.	2.7	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.	5.1	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.	5.1	43
10	H ₂ CO Distribution and Formation in the TW HYA Disk. <i>Astrophysical Journal</i> , 2017, 839, 43.	4.5	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.	4.5	20
12	Interferometric view of the circumstellar envelopes of northern FU Orionis-type stars. <i>Astronomy and Astrophysics</i> , 2017, 607, A39.	5.1	19
13	A young bipolar outflow from IRAS 15398-3359. <i>Astronomy and Astrophysics</i> , 2016, 587, A145.	5.1	17
14	First detection of gas-phase ammonia in a planet-forming disk. <i>Astronomy and Astrophysics</i> , 2016, 591, A122.	5.1	52
15	MISALIGNED DISKS IN THE BINARY PROTOSTAR IRS 43. <i>Astrophysical Journal Letters</i> , 2016, 830, L16.	8.3	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.	4.4	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.	4.5	47
18	Resolving the shocked gas in HH 54 with Herschel. <i>Astronomy and Astrophysics</i> , 2014, 571, A90.	5.1	2

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19	Interferometer predictions with triangulated images: solving the multiscale problem. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 3285-3291.	4.4	0
20	DYNAMICAL STRUCTURE OF THE INNER 100 AU OF THE DEEPLY EMBEDDED PROTOSTAR IRAS 16293â€“2422. <i>Astrophysical Journal</i> , 2014, 790, 55.	4.5	22
21	ALMA observations of the kinematics and chemistry of disc formation. <i>Astronomy and Astrophysics</i> , 2014, 566, A74.	5.1	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. <i>Astronomy and Astrophysics</i> , 2013, 552, A122.	5.1	20
23	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.	8.3	85
24	Interplay between chemistry and dynamics in embedded protostellar disks. <i>Astronomy and Astrophysics</i> , 2013, 559, A82.	5.1	26
25	Adaptable radiative transfer innovations for submillimetre telescopes (ARTIST). <i>Astronomy and Astrophysics</i> , 2012, 543, A16.	5.1	35
26	Modelling <i>Herschel</i> observations of hot molecular gas emission from embedded low-mass protostars. <i>Astronomy and Astrophysics</i> , 2012, 537, A55.	5.1	92
27	Detection of the Water Reservoir in a Forming Planetary System. <i>Science</i> , 2011, 334, 338-340.	12.6	258
28	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.	3.1	206
29	WISHes coming true: water in low-mass star-forming regions with <i>Herschel</i> . <i>EAS Publications Series</i> , 2011, 52, 177-180.	0.3	0
30	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.	5.1	13
31	Adaptable Radiative Transfer Innovations for Submillimeter Telescopes (ARTIST). <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 451-454.	0.0	2
32	Sensitive limits on the abundance of cold water vapor in the T Tauri protoplanetary disk. <i>Astronomy and Astrophysics</i> , 2010, 521, L33.	5.1	76
33	LIME â€“ a flexible, non-LTE line excitation and radiation transfer method for millimeter and far-infrared wavelengths. <i>Astronomy and Astrophysics</i> , 2010, 523, A25.	5.1	209
34	Water in low-mass star-forming regions with <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2010, 521, L30.	5.1	72
35	Methanol maps of low-mass protostellar systems. <i>Astronomy and Astrophysics</i> , 2010, 516, A57.	5.1	43
36	Origin of the hot gas in low-mass protostars. <i>Astronomy and Astrophysics</i> , 2010, 518, L121.	5.1	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.	5.1	36
38	Modeling the chemical evolution of a collapsing prestellar core in two spatial dimensions. <i>Astronomy and Astrophysics</i> , 2009, 497, 773-787.	5.1	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.	5.1	14
40	Time-dependent CO depletion during the formation of protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2008, 489, 617-625.	5.1	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.	5.1	52
42	Structure and dynamics of the class I young stellar object L1489 IRS. <i>Astronomy and Astrophysics</i> , 2007, 461, 1037-1047.	5.1	38
43	Searching for gas-rich disks around T Tauri stars in Lupus. <i>Astronomy and Astrophysics</i> , 2007, 461, 983-990.	5.1	19