

Florian Kirchschrager

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

423
citations

759233

12
h-index

794594

19
g-index

24
all docs

24
docs citations

24
times ranked

473
citing authors

#	ARTICLE	IF	CITATIONS
1	Dust survival rates in clumps passing through the CasA reverse shock – I. Results for a range of clump densities. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4465-4496.	4.4	44
2	Origin and evolution of two-component debris discs and an application to the ρ Eridani system. Monthly Notices of the Royal Astronomical Society, 2016, 461, 2146-2154.	4.4	43
3	Diagnostics and characterization of nanodust and nanodusty plasmas. European Physical Journal D, 2018, 72, 1.	1.3	32
4	The influence of dust grain porosity on the analysis of debris disc observations. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4383-4389.	4.4	30
5	JCMT POL-2 and BISTRO Survey Observations of Magnetic Fields in the L1689 Molecular Cloud. Astrophysical Journal, 2021, 907, 88.	4.5	29
6	Intrinsic polarization of elongated porous dust grains. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1211-1219.	4.4	28
7	The JCMT BISTRO Survey: Revealing the Diverse Magnetic Field Morphologies in Taurus Dense Cores with Sensitive Submillimeter Polarimetry. Astrophysical Journal Letters, 2021, 912, L27.	8.3	21
8	The JCMT BISTRO Survey: The Distribution of Magnetic Field Strengths toward the OMC-1 Region. Astrophysical Journal, 2021, 913, 85.	4.5	19
9	Self-scattering of non-spherical dust grains. Astronomy and Astrophysics, 2020, 638, A116.	5.1	19
10	The JCMT BISTRO Survey: Alignment between Outflows and Magnetic Fields in Dense Cores/Clumps. Astrophysical Journal, 2021, 907, 33.	4.5	17
11	Observations of Magnetic Fields Surrounding LkH 101 Taken by the BISTRO Survey with JCMT-POL-2. Astrophysical Journal, 2021, 908, 10.	4.5	16
12	B-fields in Star-forming Region Observations (BISTRO): Magnetic Fields in the Filamentary Structures of Serpens Main. Astrophysical Journal, 2022, 926, 163.	4.5	16
13	OMC-1 dust polarization in ALMA Band 7: diagnosing grain alignment mechanisms in the vicinity of Orion Source I. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3414-3433.	4.4	15
14	The JCMT BISTRO Survey: An 850/450 μ m Polarization Study of NGC 2071IR in Orion B. Astrophysical Journal, 2021, 918, 85.	4.5	13
15	Constraints on the structure of hot exozodiacal dust belts. Monthly Notices of the Royal Astronomical Society, 0, , stx202.	4.4	12
16	Silicate Grain Growth due to Ion Trapping in Oxygen-rich Supernova Remnants like Cassiopeia A. Astrophysical Journal, 2020, 893, 70.	4.5	12
17	Supernova induced processing of interstellar dust: impact of interstellar medium gas density and gas turbulence. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3218-3234.	4.4	11
18	The circumstellar disc of FS Tau B – a self-consistent model based on observations in the mid-infrared with NACO. Monthly Notices of the Royal Astronomical Society, 2016, 462, 858-866.	4.4	10

#	ARTICLE	IF	CITATIONS
19	Modelling of mid-infrared interferometric signature of hot exozodiacal dust emission. Monthly Notices of the Royal Astronomical Society, 2018, 473, 2633-2638.	4.4	9
20	The JCMT BISTRO Survey: multiwavelength polarimetry of bright regions in NGC 2071 in the far-infrared/submillimetre range, with POL-2 and HAWC+. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1985-2002.	4.4	7
21	The JCMT BISTRO-2 Survey: The Magnetic Field in the Center of the Rosette Molecular Cloud. Astrophysical Journal, 2021, 913, 57.	4.5	6
22	First L band detection of hot exozodiacal dust with VLT/MATISSE. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 499, L47-L52.	3.3	5
23	The HASHTAG Project: The First Submillimeter Images of the Andromeda Galaxy from the Ground. Astrophysical Journal, Supplement Series, 2021, 257, 52.	7.7	5
24	The JCMT BISTRO Survey: Evidence for Pinched Magnetic Fields in Quiescent Filaments of NGC 1333. Astrophysical Journal Letters, 2021, 923, L9.	8.3	4