

Gianni Cataldi

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

955
citations

361413

20
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

730
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertical evolution of exocometary gas â€” I. How vertical diffusion shortens the CO lifetime. Monthly Notices of the Royal Astronomical Society, 2022, 515, 507-524.	4.4	5
2	A New Sample of Warm Extreme Debris Disks from the ALLWISE Catalog. Astrophysical Journal, 2021, 910, 27.	4.5	21
3	Molecules with ALMA at Planet-forming Scales (MAPS). VII. Substellar O/H and C/H and Superstellar C/O in Planet-feeding Gas. Astrophysical Journal, Supplement Series, 2021, 257, 7.	7.7	40
4	Molecules with ALMA at Planet-forming Scales (MAPS). X. Studying Deuteration at High Angular Resolution toward Protoplanetary Disks. Astrophysical Journal, Supplement Series, 2021, 257, 10.	7.7	15
5	Molecules with ALMA at Planet-forming Scales (MAPS). XVIII. Kinematic Substructures in the Disks of HD 163296 and MWC 480. Astrophysical Journal, Supplement Series, 2021, 257, 18.	7.7	51
6	Molecules with ALMA at Planet-forming Scales (MAPS). IX. Distribution and Properties of the Large Organic Molecules HC ₃ N, CH ₃ CN, and c-C ₃ H ₂ . Astrophysical Journal, Supplement Series, 2021, 257, 9.	7.7	30
7	Molecules with ALMA at Planet-forming Scales (MAPS). XIX. Spiral Arms, a Tail, and Diffuse Structures Traced by CO around the GM Aur Disk. Astrophysical Journal, Supplement Series, 2021, 257, 19.	7.7	33
8	Molecules with ALMA at Planet-forming Scales (MAPS). IV. Emission Surfaces and Vertical Distribution of Molecules. Astrophysical Journal, Supplement Series, 2021, 257, 4.	7.7	58
9	Molecules with ALMA at Planet-forming Scales (MAPS). XII. Inferring the C/O and S/H Ratios in Protoplanetary Disks with Sulfur Molecules. Astrophysical Journal, Supplement Series, 2021, 257, 12.	7.7	30
10	Molecules with ALMA at Planet-forming Scales (MAPS). XVII. Determining the 2D Thermal Structure of the HD 163296 Disk. Astrophysical Journal, Supplement Series, 2021, 257, 17.	7.7	19
11	Molecules with ALMA at Planet-forming Scales (MAPS). I. Program Overview and Highlights. Astrophysical Journal, Supplement Series, 2021, 257, 1.	7.7	117
12	Molecules with ALMA at Planet-forming Scales (MAPS). VI. Distribution of the Small Organics HCN, C ₂ H, and H ₂ CO. Astrophysical Journal, Supplement Series, 2021, 257, 6.	7.7	37
13	Molecules with ALMA at Planet-forming Scales (MAPS). XVI. Characterizing the Impact of the Molecular Wind on the Evolution of the HD 163296 System. Astrophysical Journal, Supplement Series, 2021, 257, 16.	7.7	20
14	Molecules with ALMA at Planet-forming Scales (MAPS). V. CO Gas Distributions. Astrophysical Journal, Supplement Series, 2021, 257, 5.	7.7	87
15	Molecules with ALMA at Planet-forming Scales (MAPS). III. Characteristics of Radial Chemical Substructures. Astrophysical Journal, Supplement Series, 2021, 257, 3.	7.7	57
16	Molecules with ALMA at Planet-forming Scales (MAPS). XV. Tracing Protoplanetary Disk Structure within 20 au. Astrophysical Journal, Supplement Series, 2021, 257, 15.	7.7	21
17	Molecules with ALMA at Planet-forming Scales (MAPS). VIII. CO Gap in AS 209â€”Gas Depletion or Chemical Processing?. Astrophysical Journal, Supplement Series, 2021, 257, 8.	7.7	22
18	Molecules with ALMA at Planet-forming Scales (MAPS). XIII. HCO ⁺ and Disk Ionization Structure. Astrophysical Journal, Supplement Series, 2021, 257, 13.	7.7	24

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19	Molecules with ALMA at Planet-forming Scales (MAPS). XIV. Revealing Disk Substructures in Multiwavelength Continuum Emission. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 14.	7.7	56
20	Molecules with ALMA at Planet-forming Scales. XX. The Massive Disk around GM Aurigae. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 20.	7.7	26
21	Molecules with ALMA at Planet-forming Scales (MAPS). II. CLEAN Strategies for Synthesizing Images of Molecular Line Emission in Protoplanetary Disks. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 2.	7.7	58
22	Molecules with ALMA at Planet-forming Scales (MAPS). XI. CN and HCN as Tracers of Photochemistry in Disks. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 11.	7.7	25
23	The Surprisingly Low Carbon Mass in the Debris Disk around HD 32297. <i>Astrophysical Journal</i> , 2020, 892, 99.	4.5	18
24	Tidal disruption versus planetesimal collisions as possible origins for the dispersing dust cloud around Fomalhaut. <i>Astronomy and Astrophysics</i> , 2020, 640, A93.	5.1	9
25	Contrast sensitivities in the <i>Gaia</i> Data Release 2. <i>Astronomy and Astrophysics</i> , 2019, 621, A86.	5.1	39
26	No Detection of Cold Dust around the Potential Exocomet Host β Leo. <i>Research Notes of the AAS</i> , 2019, 3, 39.	0.7	1
27	ALMA Resolves C^{18} Emission from the $\hat{\text{I}}^2$ Pictoris Debris Disk. <i>Astrophysical Journal</i> , 2018, 861, 72.	4.5	36