

# Carlos Carrasco-Gonzalez

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,259  
citations

361413

20  
h-index

361022

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1483  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Physical Properties of the SVS 13 Protobinary System: Two Circumstellar Disks and a Spiraling Circumbinary Disk in the Making. <i>Astrophysical Journal</i> , 2022, 930, 91.	4.5	13
2	Resolving the Collimation Zone of an Intermediate-mass Protostellar Jet. <i>Astrophysical Journal Letters</i> , 2022, 931, L26.	8.3	3
3	A Highly Collimated Flow from the High-mass Protostar ISOSS J23053+5953 SMM2. <i>Research Notes of the AAS</i> , 2021, 5, 70.	0.7	1
4	Characterizing the dust content of disk substructures in TW Hydrae. <i>Astronomy and Astrophysics</i> , 2021, 648, A33.	5.1	53
5	Zooming into the Collimation Zone in a Massive Protostellar Jet. <i>Astrophysical Journal Letters</i> , 2021, 914, L1.	8.3	11
6	Impact of Differential Dust Settling on the SED and Polarization: Application to the Inner Region of the HL Tau Disk. <i>Astrophysical Journal</i> , 2021, 913, 117.	4.5	15
7	Discovery of a Highly Collimated Flow from the High-mass Protostar ISOSS J23053+5953 SMM2. <i>Astrophysical Journal</i> , 2021, 922, 66.	4.5	3
8	The Characterization of the Dust Content in the Ring Around Sz 91: Indications of Planetesimal Formation?. <i>Astrophysical Journal</i> , 2021, 923, 128.	4.5	6
9	Reading M87's DNA: A Double Helix Revealing a Large-scale Helical Magnetic Field. <i>Astrophysical Journal Letters</i> , 2021, 923, L5.	8.3	19
10	Modeling the Accretion Disk around the High-mass Protostar GGD 27-MM1. <i>Astrophysical Journal</i> , 2020, 888, 41.	4.5	19
11	A Radio Pinwheel Emanating from WR 147. <i>Astrophysical Journal Letters</i> , 2020, 900, L3.	8.3	1
12	The Radial Distribution of Dust Particles in the HL Tau Disk from ALMA and VLA Observations. <i>Astrophysical Journal</i> , 2019, 883, 71.	4.5	97
13	Characterization of Ring Substructures in the Protoplanetary Disk of HD 169142 from Multiwavelength Atacama Large Millimeter/submillimeter Array Observations. <i>Astrophysical Journal</i> , 2019, 881, 159.	4.5	35
14	An Analytical Model of Radial Dust Trapping in Protoplanetary Disks. <i>Astrophysical Journal</i> , 2019, 876, 7.	4.5	25
15	Exploring the Grain Properties in the Disk of HL Tau with an Evolutionary Model. <i>Astrophysical Journal</i> , 2019, 887, 244.	4.5	3
16	Broadband radio spectro-polarimetric observations of high-Faraday-rotation-measure AGN. <i>Astronomy and Astrophysics</i> , 2018, 613, A74.	5.1	20
17	On the Effects of Self-obscuration in the (Sub)Millimeter Spectral Indices and the Appearance of Protostellar Disks. <i>Astrophysical Journal</i> , 2018, 868, 39.	4.5	27
18	Radio jets from young stellar objects. <i>Astronomy and Astrophysics Review</i> , 2018, 26, 1.	25.5	89

#	ARTICLE	IF	CITATIONS
19	Multiple Rings in the Transitional Disk of GM Aurigae Revealed by VLA and ALMA. <i>Astrophysical Journal</i> , 2018, 865, 37.	4.5	40
20	Imaging a Central Ionized Component, a Narrow Ring, and the CO Snowline in the Multigapped Disk of HD 169142. <i>Astrophysical Journal</i> , 2017, 838, 97.	4.5	52
21	Radiation Hydrodynamical Turbulence in Protoplanetary Disks: Numerical Models and Observational Constraints. <i>Astrophysical Journal</i> , 2017, 850, 131.	4.5	95
22	The Highly Collimated Radio Jet of HH 80-81: Structure and Nonthermal Emission. <i>Astrophysical Journal</i> , 2017, 851, 16.	4.5	44
23	The properties of the inner disk around HL Tau: Multi-wavelength modeling of the dust emission. <i>Astronomy and Astrophysics</i> , 2017, 607, A74.	5.1	28
24	AN EXTREMELY HIGH VELOCITY MOLECULAR JET SURROUNDED BY AN IONIZED CAVITY IN THE PROTOSTELLAR SOURCE SERPENS SMM1. <i>Astrophysical Journal Letters</i> , 2016, 823, L27.	8.3	28
25	A DWARF TRANSITIONAL PROTOPLANETARY DISK AROUND XZ TAU B. <i>Astrophysical Journal Letters</i> , 2016, 825, L10.	8.3	18
26	INVESTIGATING PARTICLE ACCELERATION IN PROTOSTELLAR JETS: THE TRIPLE RADIO CONTINUUM SOURCE IN SERPENS. <i>Astrophysical Journal</i> , 2016, 818, 27.	4.5	32
27	THE VLA VIEW OF THE HL TAU DISK: DISK MASS, GRAIN EVOLUTION, AND EARLY PLANET FORMATION. <i>Astrophysical Journal Letters</i> , 2016, 821, L16.	8.3	111
28	ORIGIN AND KINEMATICS OF THE ERUPTIVE FLOW FROM XZ TAU REVEALED BY ALMA. <i>Astrophysical Journal Letters</i> , 2015, 811, L4.	8.3	12
29	IMAGING THE INNER AND OUTER GAPS OF THE PRE-TRANSITIONAL DISK OF HD 169142 AT 7 mm. <i>Astrophysical Journal Letters</i> , 2014, 791, L36.	8.3	83
30	THE COUNTERJET OF HH 30: NEW LIGHT ON ITS BINARY DRIVING SOURCE. <i>Astronomical Journal</i> , 2012, 144, 61.	4.7	24
31	MULTIPLICITY, DISKS, AND JETS IN THE NGC 2071 STAR-FORMING REGION. <i>Astrophysical Journal</i> , 2012, 746, 71.	4.5	21
32	RESOLVING THE CIRCUMSTELLAR DISK AROUND THE MASSIVE PROTOSTAR DRIVING THE HH 80-81 JET. <i>Astrophysical Journal Letters</i> , 2012, 752, L29.	8.3	37
33	A Magnetized Jet from a Massive Protostar. <i>Science</i> , 2010, 330, 1209-1212.	12.6	151
34	HIGH ANGULAR RESOLUTION RADIO OBSERVATIONS OF THE HL/XZ TAU REGION: MAPPING THE 50 AU PROTOPLANETARY DISK AROUND HL TAU AND RESOLVING XZ TAU S INTO A 13 AU BINARY. <i>Astrophysical Journal</i> , 2009, 693, L86-L90.	4.5	34
35	PROPER MOTIONS OF THERMAL RADIO SOURCES NEAR HH 7-11 IN THE NGC 1333 STAR-FORMING REGION. <i>Astronomical Journal</i> , 2008, 136, 2238-2243.	4.7	9