

Paola Pinilla

List of Publications by Year in descending order

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34
papers

2,254
citations

304743

22
h-index

377865

34
g-index

34
all docs

34
docs citations

34
times ranked

1306
citing authors

#	ARTICLE	IF	CITATIONS
1	A Major Asymmetric Dust Trap in a Transition Disk. <i>Science</i> , 2013, 340, 1199-1202.	12.6	492
2	Gaps and Rings in an ALMA Survey of Disks in the Taurus Star-forming Region. <i>Astrophysical Journal</i> , 2018, 869, 17.	4.5	337
3	Compact Disks in a High-resolution ALMA Survey of Dust Structures in the Taurus Molecular Cloud. <i>Astrophysical Journal</i> , 2019, 882, 49.	4.5	139
4	ALMA HINTS AT THE PRESENCE OF TWO COMPANIONS IN THE DISK AROUND HD 100546. <i>Astrophysical Journal Letters</i> , 2014, 791, L6.	8.3	114
5	A COMPACT CONCENTRATION OF LARGE GRAINS IN THE HD 142527 PROTOPLANETARY DUST TRAP. <i>Astrophysical Journal</i> , 2015, 812, 126.	4.5	114
6	A Circumplanetary Disk around PDS70c. <i>Astrophysical Journal Letters</i> , 2021, 916, L2.	8.3	114
7	The newborn planet population emerging from ring-like structures in discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 453-461.	4.4	102
8	Can dead zones create structures like a transition disk?. <i>Astronomy and Astrophysics</i> , 2016, 596, A81.	5.1	95
9	DUST EVOLUTION CAN PRODUCE SCATTERED LIGHT GAPS IN PROTOPLANETARY DISKS. <i>Astrophysical Journal Letters</i> , 2015, 813, L14.	8.3	70
10	The Evolution of Dust Disk Sizes from a Homogeneous Analysis of 10 Myr old Stars. <i>Astrophysical Journal</i> , 2020, 895, 126.	4.5	57
11	The Ophiuchus Disc Survey Employing ALMA (ODISEA) III. The evolution of substructures in massive discs at 5 au resolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 2934-2953.	4.4	57
12	Ring structure in the MWC 480 disk revealed by ALMA. <i>Astronomy and Astrophysics</i> , 2019, 622, A75.	5.1	55
13	Diverse Protoplanetary Disk Morphology Produced by a Jupiter-mass Planet. <i>Astrophysical Journal Letters</i> , 2018, 864, L26.	8.3	50
14	Hints for Icy Pebble Migration Feeding an Oxygen-rich Chemistry in the Inner Planet-forming Region of Disks. <i>Astrophysical Journal</i> , 2020, 903, 124.	4.5	47
15	Hints on the origins of particle traps in protoplanetary disks given by the $M_{\text{dust}} \propto M_{\text{star}}^{\alpha}$ relation. <i>Astronomy and Astrophysics</i> , 2020, 635, A105.	5.1	46
16	Disk Evolution Study Through Imaging of Nearby Young Stars (DESTINY): Late Infall Causing Disk Misalignment and Dynamic Structures in SU Aur*. <i>Astrophysical Journal Letters</i> , 2021, 908, L25.	8.3	42
17	A likely planet-induced gap in the disc around T Cha. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 475, L62-L66.	3.3	32
18	Dual-wavelength ALMA Observations of Dust Rings in Protoplanetary Disks. <i>Astrophysical Journal</i> , 2020, 898, 36.	4.5	30

#	ARTICLE	IF	CITATIONS
19	Growing and trapping pebbles with fragile collisions of particles in protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2021, 645, A70.	5.1	26
20	Steepening of the 820 μm continuum surface brightness profile signals dust evolution in TW Hydrae's disk. <i>Astronomy and Astrophysics</i> , 2016, 586, A99.	5.1	25
21	Gas Disk Sizes from CO Line Observations: A Test of Angular Momentum Evolution. <i>Astrophysical Journal</i> , 2022, 931, 6.	4.5	25
22	Solving Grain Size Inconsistency between ALMA Polarization and VLA Continuum in the Ophiuchus IRS 48 Protoplanetary Disk. <i>Astrophysical Journal</i> , 2020, 900, 81.	4.5	23
23	An Inner Disk in the Large Gap of the Transition Disk SR 24S. <i>Astrophysical Journal</i> , 2019, 878, 16.	4.5	22
24	Steady-state accretion in magnetized protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2022, 658, A97.	5.1	21
25	Resolved millimeter-dust continuum cavity around the very low mass young star CIDA 1. <i>Astronomy and Astrophysics</i> , 2018, 615, A95.	5.1	18
26	Observational diagnostics of elongated planet-induced vortices with realistic planet formation time-scales. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 3609-3621.	4.4	18
27	VORTEX FORMATION AND EVOLUTION IN PLANET HARBORING DISKS UNDER THERMAL RELAXATION. <i>Astrophysical Journal</i> , 2015, 810, 94.	4.5	17
28	Which planets trigger longer lived vortices: low-mass or high-mass?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 3963-3985.	4.4	16
29	Particle Trapping in Protoplanetary Disks: Models vs. Observations. <i>Astrophysics and Space Science Library</i> , 2017, , 91-142.	2.7	11
30	A Tale of Two Transition Disks: ALMA Long-baseline Observations of ISO-Oph 2 Reveal Two Closely Packed Nonaxisymmetric Rings and a $\sim 1/2$ au Cavity. <i>Astrophysical Journal Letters</i> , 2020, 902, L33.	8.3	11
31	Mass determination of protoplanetary disks from dust evolution. <i>Astronomy and Astrophysics</i> , 2022, 657, A74.	5.1	7
32	Linking Outer Disk Pebble Dynamics and Gaps to Inner Disk Water Enrichment. <i>Astrophysical Journal</i> , 2021, 921, 84.	4.5	7
33	Disk Evolution Study through Imaging of Nearby Young Stars (DESTINYS): A Panchromatic View of DO Tau's Complex Kilo-astronomical-unit Environment. <i>Astrophysical Journal</i> , 2022, 930, 171.	4.5	7
34	Efficient dust radial drift around young intermediate-mass stars. <i>Astronomy and Astrophysics</i> , 2022, 662, L8.	5.1	7