Myriam Benisty

List of Publications by Year
in descending order

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53	4,228	159585	223800
papers	citations	30 h-index	46 g-index

54	54	54	1682
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Disk Substructures at High Angular Resolution Project (DSHARP). I. Motivation, Sample, Calibration, and Overview. Astrophysical Journal Letters, 2018, 869, L41.	8.3	732
2	The Disk Substructures at High Angular Resolution Project (DSHARP). II. Characteristics of Annular Substructures. Astrophysical Journal Letters, 2018, 869, L42.	8.3	326
3	The Disk Substructures at High Angular Resolution Project (DSHARP). VII. The Planetâ€“Disk Interactions Interpretation. Astrophysical Journal Letters, 2018, 869, L47.	8.3	289
4	The Disk Substructures at High Angular Resolution Project (DSHARP). VI. Dust Trapping in Thin-ringed Protoplanetary Disks. Astrophysical Journal Letters, 2018, 869, L46.	8.3	250
5	Disks around T Tauri Stars with SPHERE (DARTTS-S). I. SPHERE/IRDIS Polarimetric Imaging of Eight Prominent T Tauri Disks*. Astrophysical Journal, 2018, 863, 44.	4.5	225
6	The Disk Substructures at High Angular Resolution Project (DSHARP). V. Interpreting ALMA Maps of Protoplanetary Disks in Terms of a Dust Model. Astrophysical Journal Letters, 2018, 869, L45.	8.3	199
7	Three Radial Gaps in the Disk of TW Hydrae Imaged with SPHERE. Astrophysical Journal, 2017, 837, 132.	4.5	176
8	A LIKELY CLOSE-IN LOW-MASS STELLAR COMPANION TO THE TRANSITIONAL DISK STAR HD 142527. Astrophysical Journal Letters, 2012, 753, L38.	8.3	163
9	The Disk Substructures at High Angular Resolution Project (DSHARP). III. Spiral Structures in the Millimeter Continuum of the Elias 27, IM Lup, and WaOph 6 Disks. Astrophysical Journal Letters, 2018, 869, L43.	8.3	121
10	AN ENIGMATIC POINT-LIKE FEATURE WITHIN THE HD 169142 TRANSITIONAL DISK,. Astrophysical Journal Letters, 2014, 792, L22.	8.3	119
11	Detection of Continuum Submillimeter Emission Associated with Candidate Protoplanets. Astrophysical Journal Letters, 2019, 879, L25.	8.3	115
12	The Disk Substructures at High Angular Resolution Project (DSHARP). IX. A High-definition Study of the HD 163296 Planet-forming Disk. Astrophysical Journal Letters, 2018, 869, L49.	8.3	114
13	A Circumplanetary Disk around PDS70c. Astrophysical Journal Letters, 2021, 916, L2.	8.3	114
14	The Disk Substructures at High Angular Resolution Project (DSHARP). IV. Characterizing Substructures and Interactions in Disks around Multiple Star Systems. Astrophysical Journal Letters, 2018, 869, L44.	8.3	86
15	The Circumstellar Disk HD 169142: Gas, Dust, and Planets Acting in Concert?*. Astrophysical Journal, 2017, 850, 52.	4.5	82
16	OPTICAL IMAGING POLARIMETRY OF THE LkCa 15 PROTOPLANETARY DISK WITH SPHERE ZIMPOL. Astrophysical Journal Letters, 2015, 808, L41.	8.3	81
17	RESOLVING THE PLANET-HOSTING INNER REGIONS OF THE LkCa 15 DISK*. Astrophysical Journal Letters, 2016, 828, L17.	8.3	80
18	RADIATION HYDRODYNAMICS MODELS OF THE INNER RIM IN PROTOPLANETARY DISKS. Astrophysical Journal, 2016, 827, 144.	4.5	75

#	Article	IF	Citations
19	The Complex Morphology of the Young Disk MWC 758: Spirals and Dust Clumps around a Large Cavity. Astrophysical Journal, 2018, 853, 162.	4.5	71
20	The Disk Substructures at High Angular Resolution Project (DSHARP). X. Multiple Rings, a Misaligned Inner Disk, and a Bright Arc in the Disk around the T Tauri star HD 143006. Astrophysical Journal Letters, 2018, 869, L50.	8.3	69
21	3D Radiation Nonideal Magnetohydrodynamical Simulations of the Inner Rim in Protoplanetary Disks. Astrophysical Journal, 2017, 835, 230.	4.5	67
22	Exploring Dust around HD 142527 down to 0.â€³025 (4 au) Using SPHERE/ZIMPOL. Astronomical Journal, 2017, 154, 33.	4.7	62
23	Constraining the Nature of the PDS 70 Protoplanets with VLTI/GRAVITY ^{âˆ—}. Astronomical Journal, 2021, 161, 148.	4.7	59
24	The Disk Substructures at High Angular Resolution Program (DSHARP). VIII. The Rich Ringed Substructures in the AS 209 Disk. Astrophysical Journal Letters, 2018, 869, L48.	8.3	58
25	An Ideal Testbed for Planetâ€“Disk Interaction: Two Giant Protoplanets in Resonance Shaping the PDS 70 Protoplanetary Disk. Astrophysical Journal Letters, 2019, 884, L41.	8.3	57
26	Molecules with ALMA at Planet-forming Scales (MAPS). XIV. Revealing Disk Substructures in Multiwavelength Continuum Emission. Astrophysical Journal, Supplement Series, 2021, 257, 14.	7.7	56
27	Variable Dynamics in the Inner Disk of HD 135344B Revealed with Multi-epoch Scattered Light Imaging^{âˆ—}. Astrophysical Journal, 2017, 849, 143.	4.5	49
28	Disk Evolution Study Through Imaging of Nearby Young Stars (DESTINYS): Late Infall Causing Disk Misalignment and Dynamic Structures in SU Aur*. Astrophysical Journal Letters, 2021, 908, L25.	8.3	42
29	Spiral Arms and a Massive Dust Disk with Non-Keplerian Kinematics: Possible Evidence for Gravitational Instability in the Disk of Elias 2â€“27. Astrophysical Journal, 2021, 914, 88.	4.5	38
30	A Multi-wavelength Analysis of Dust and Gas in the SR 24S Transition Disk. Astrophysical Journal, 2017, 839, 99.	4.5	32
31	The Chemical Inventory of the Planet-hosting Disk PDS 70. Astronomical Journal, 2021, 162, 99.	4.7	32
32	Dynamical Evidence of a Spiral Armâ€“driving Planet in the MWC 758 Protoplanetary Disk. Astrophysical Journal Letters, 2020, 898, L38.	8.3	24
33	Large-scale CO Spiral Arms and Complex Kinematics Associated with the T Tauri Star RU Lup. Astrophysical Journal, 2020, 898, 140.	4.5	23
34	A Decade of MWC 758 Disk Images: Where Are the Spiral-arm-driving Planets?. Astrophysical Journal Letters, 2018, 857, L9.	8.3	22
35	An Inner Disk in the Large Gap of the Transition Disk SR 24S. Astrophysical Journal, 2019, 878, 16.	4.5	22
36	Limits on Millimeter Continuum Emission from Circumplanetary Material in the DSHARP Disks. Astrophysical Journal, 2021, 916, 51.	4.5	18

#	Article	IF	Citations
37	A Search for Companions via Direct Imaging in the DSHARP Planet-forming Disks. Astronomical Journal, 2021, 161, 146.	4.7	14
38	Millimeter Spectral Indices and Dust Trapping By Planets in Brown Dwarf Disks. Astrophysical Journal, 2017, 846, 70.	4.5	13
39	Investigating point sources in MWC 758 with SPHERE. Astronomy and Astrophysics, 2021, 652, L8.	5.1	10
40	A global database for optical interferometry. Proceedings of SPIE, 2014, , .	0.8	9
41	Planet Formation Imager (PFI): science vision and key requirements. , 2016, , .		7
42	Disk Evolution Study through Imaging of Nearby Young Stars (DESTINYS): A Panchromatic View of DO Tauâ€™s Complex Kilo-astronomical-unit Environment. Astrophysical Journal, 2022, 930, 171.	4.5	7
43	A low-mass stellar companion to the young variable star RZÂPsc. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 496, L75-L79.	3.3	6
44	VITRUV - Imaging Close Environments of Stars and Galaxies with the VLTI at Milli-Arcsec Resolution. , 2007, , 357-369.		4
45	Polar-interferometry: what can be learnt from the IOTA/IONIC experiment. Proceedings of SPIE, 2008, , .	0.8	3
46	Gas and Dust Shadows in the TW Hydrae Disk. Astrophysical Journal, 2022, 930, 144.	4.5	3
47	A laboratory interferometer simulator for integrated optics combiners qualification. , 2004, , .		1
48	The VSI/VITRUV combiner: a phase-shifted four-beam integrated optics combiner. , 2006, , .		1
49	The 2008-2009 outburst of the young binary system Z CMa unraveled by interferometry with high spectral resolution. Proceedings of SPIE, 2010, , .	0.8	1
50	First year report of the Optical Interferometry DataBase. Proceedings of SPIE, 2016, , .	0.8	1
51	The hydrogen emission of young stellar objects: key science for next-generation instruments and facilities. Proceedings of SPIE, 2010, , .	0.8	0
52	Least-squares deconvolution of AMBER dispersed visibilities. , 2012, , .		0
53	The innermost astronomical units of protoplanetary disks. Proceedings of SPIE, 2016, , .	0.8	0