

# Benjamin Montesinos

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6215267/publications.pdf>

Version: 2024-02-01

94  
papers

4,086  
citations

81900

39  
h-index

123424

61  
g-index

95  
all docs

95  
docs citations

95  
times ranked

2648  
citing authors

#	ARTICLE	IF	CITATIONS
1	DUst around NEArby Stars. The survey observational results. <i>Astronomy and Astrophysics</i> , 2013, 555, A11.	5.1	183
2	EXPORT: Spectral classification and projected rotational velocities of Vega-type and pre-main sequence stars. <i>Astronomy and Astrophysics</i> , 2001, 378, 116-131.	5.1	179
3	Observations of Herbig Ae/Be stars with <i>Herschel</i> /PACS. <i>Astronomy and Astrophysics</i> , 2012, 544, A78.	5.1	132
4	Accretion rates and accretion tracers of Herbig Ae/Be stars. <i>Astronomy and Astrophysics</i> , 2011, 535, A99.	5.1	129
5	Parameters of Herbig Ae/Be and Vega-type stars. <i>Astronomy and Astrophysics</i> , 2009, 495, 901-917.	5.1	108
6	GASPSâ€™A Herschel Survey of Gas and Dust in Protoplanetary Disks: Summary and Initial Statistics. <i>Publications of the Astronomical Society of the Pacific</i> , 2013, 125, 477-505.	3.1	108
7	DISK RADII AND GRAIN SIZES IN <i>HERSCHEL</i> -RESOLVED DEBRIS DISKS. <i>Astrophysical Journal</i> , 2014, 792, 65.	4.5	108
8	Kepler-91b: a planet at the end of its life. <i>Astronomy and Astrophysics</i> , 2014, 562, A109.	5.1	101
9	Chromospheric activity and rotation of FGK stars in the solar vicinity. <i>Astronomy and Astrophysics</i> , 2010, 520, A79.	5.1	96
10	On the simultaneous optical and near-infrared variability of pre-main sequence stars. <i>Astronomy and Astrophysics</i> , 2002, 384, 1038-1049.	5.1	96
11	The Evershed effect in sunspots as a siphon flow along a magnetic flux tube. <i>Nature</i> , 1997, 390, 485-487.	27.8	92
12	EXPORT: Optical photometry and polarimetry of Vega-type and pre-main sequence stars. <i>Astronomy and Astrophysics</i> , 2001, 379, 564-578.	5.1	92
13	A spectroscopy study of nearby late-type stars, possible members of stellar kinematic groups. <i>Astronomy and Astrophysics</i> , 2010, 521, A12.	5.1	91
14	DOES THE PRESENCE OF PLANETS AFFECT THE FREQUENCY AND PROPERTIES OF EXTRASOLAR KUIPER BELTS? RESULTS FROM THE <i>HERSCHEL</i> DEBRIS AND DUNES SURVEYS. <i>Astrophysical Journal</i> , 2015, 801, 143.	4.5	80
15	Study of the properties and spectral energy distributions of the Herbig AeBe stars HD 34282 and HD 141569. <i>Astronomy and Astrophysics</i> , 2004, 419, 301-318.	5.1	80
16	The RIASS coronathon: Joint X-ray and ultraviolet observations of normal F-K stars. <i>Astrophysical Journal, Supplement Series</i> , 1995, 96, 223.	7.7	79
17	Metallicity of solar-type stars with debris discs and planets. <i>Astronomy and Astrophysics</i> , 2012, 541, A40.	5.1	75
18	A new look at the relationship between activity, dynamo number and Rossby number in late-type stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 326, 877-884.	4.4	72

#	ARTICLE	IF	CITATIONS
19	Modelling the huge, <i>Herschel</i> -resolved debris ring around HD 207129. <i>Astronomy and Astrophysics</i> , 2012, 537, A110.	5.1	70
20	OPTICAL CHARACTERIZATION OF A NEW YOUNG STELLAR POPULATION IN THE SERPENS MOLECULAR CLOUD. <i>Astrophysical Journal</i> , 2009, 691, 672-686.	4.5	68
21	<i>Herschel</i> -PACS observation of the 10 Myr old <i>T Tauri</i> disk <i>TW Hya</i> . <i>Astronomy and Astrophysics</i> , 2010, 518, L125.	5.1	66
22	Gas modelling in the disc of HD 163296. <i>Astronomy and Astrophysics</i> , 2012, 538, A20.	5.1	62
23	Accretion-related properties of Herbig Ae/Be stars. <i>Astronomy and Astrophysics</i> , 2012, 543, A59.	5.1	62
24	Age determination of the HR8799 planetary system using asteroseismology. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2010, 405, L81-L85.	3.3	61
25	Gas and dust in the beta Pictoris moving group as seen by the <i>Herschel</i> Space Observatory. <i>Astronomy and Astrophysics</i> , 2014, 565, A68.	5.1	61
26	Incidence of debris discs around FGK stars in the solar neighbourhood. <i>Astronomy and Astrophysics</i> , 2016, 593, A51.	5.1	59
27	Optical spectroscopic variability of Herbig Ae/Be stars. <i>Astronomy and Astrophysics</i> , 2011, 529, A34.	5.1	58
28	Searching for signatures of planet formation in stars with circumstellar debris discs. <i>Astronomy and Astrophysics</i> , 2015, 579, A20.	5.1	58
29	<i>HERSCHEL</i> 's 'COLD DEBRIS DISKS' BACKGROUND GALAXIES OR QUIESCENT RIMS OF PLANETARY SYSTEMS?. <i>Astrophysical Journal</i> , 2013, 772, 32.	4.5	57
30	Detection of warm water vapour in Taurus protoplanetary discs by <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2012, 538, L3.	5.1	57
31	Cold DUsT around NEarby Stars (DUNES). First results. <i>Astronomy and Astrophysics</i> , 2010, 518, L131.	5.1	52
32	<i>HERSCHEL</i> OBSERVATIONS OF GAS AND DUST IN THE UNUSUAL 49 Ceti DEBRIS DISK. <i>Astrophysical Journal</i> , 2013, 771, 69.	4.5	52
33	A CO SURVEY IN PLANET-FORMING DISKS: CHARACTERIZING THE GAS CONTENT IN THE EPOCH OF PLANET FORMATION. <i>Astronomical Journal</i> , 2014, 148, 47.	4.7	51
34	Correlations between the stellar, planetary, and debris components of exoplanet systems observed by <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2014, 565, A15.	5.1	50
35	On magnetic fields, stellar coronae and dynamo action in late-type dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 1993, 264, 900-918.	4.4	48
36	PROBING STELLAR ACCRETION WITH MID-INFRARED HYDROGEN LINES. <i>Astrophysical Journal</i> , 2015, 801, 31.	4.5	46

#	ARTICLE	IF	CITATIONS
37	Gas lines from the 5-Myr old optically thin disk around HD 141569A. <i>Astronomy and Astrophysics</i> , 2014, 561, A50.	5.1	45
38	ACCRETION VARIABILITY OF HERBIG Ae/Be STARS OBSERVED BY X-SHOOTER HD 31648 AND HD 163296. <i>Astrophysical Journal</i> , 2013, 776, 44.	4.5	44
39	DIGIT survey of far-infrared lines from protoplanetary discs. <i>Astronomy and Astrophysics</i> , 2013, 559, A84.	5.1	43
40	Siphon flows in isolated magnetic flux tubes. II - Adiabatic flows. <i>Astrophysical Journal</i> , 1989, 337, 977.	4.5	42
41	Siphon flows in isolated magnetic flux tubes. IV - Critical flows with standing tube shocks. <i>Astrophysical Journal</i> , 1991, 375, 404.	4.5	42
42	Resolving the cold debris disc around a planet-hosting star. <i>Astronomy and Astrophysics</i> , 2010, 518, L132.	5.1	39
43	Gas in the protoplanetary disc of HD 169142: <i>Herschel</i> 's view. <i>Astronomy and Astrophysics</i> , 2010, 518, L124.	5.1	39
44	Comparative modelling of the spectra of cool giants. <i>Astronomy and Astrophysics</i> , 2012, 547, A108.	5.1	39
45	HD 172555: detection of $63\ \mu\text{m}$ [OI] emission in a debris disc. <i>Astronomy and Astrophysics</i> , 2012, 546, L8.	5.1	39
46	EXPORT: Near-IR observations of Vega-type and pre-main sequence stars. <i>Astronomy and Astrophysics</i> , 2001, 365, 110-114.	5.1	38
47	A siphon-flow model of the photospheric Evershed flow in a sunspot. <i>Astrophysical Journal</i> , 1993, 407, 398.	4.5	38
48	<i>Herschel</i> resolved far-infrared dust ring around HD 207129. <i>Astronomy and Astrophysics</i> , 2011, 529, A117.	5.1	37
49	Gas and dust in the TW Hydrae association as seen by the <i>Herschel</i> Space Observatory. <i>Astronomy and Astrophysics</i> , 2013, 555, A67.	5.1	36
50	<i>Herschel</i> discovery of a new class of cold, faint debris discs. <i>Astronomy and Astrophysics</i> , 2011, 536, L4.	5.1	35
51	STELLAR PARAMETERS AND ACCRETION RATE OF THE TRANSITION DISK STAR HD 142527 FROM X-SHOOTER. <i>Astrophysical Journal</i> , 2014, 790, 21.	4.5	33
52	ALMA observations of $\beta$ Centauri. <i>Astronomy and Astrophysics</i> , 2015, 573, L4.	5.1	33
53	A peculiar class of debris disks from <i>Herschel</i> /DUNES. <i>Astronomy and Astrophysics</i> , 2012, 541, A148.	5.1	30
54	Siphon flows in isolated magnetic flux tubes. III - The equilibrium path of the flux-tube arch. <i>Astrophysical Journal</i> , 1990, 359, 550.	4.5	28

#	ARTICLE	IF	CITATIONS
55	Siphon flows in isolated magnetic flux tubes. V - Radiative flows with variable ionization. <i>Astrophysical Journal</i> , 1993, 402, 314.	4.5	28
56	Can eccentric debris disks be long-lived?. <i>Astronomy and Astrophysics</i> , 2014, 563, A72.	5.1	26
57	The dependence of coronal temperatures on Rossby numbers. <i>Monthly Notices of the Royal Astronomical Society</i> , 1991, 252, 21P-26P.	4.4	23
58	A dynamical study of the circumstellar gas in UX Orionis. <i>Astronomy and Astrophysics</i> , 2002, 393, 259-271.	5.1	23
59	The Herschel view of GAS in Protoplanetary Systems (GASPS). <i>Astronomy and Astrophysics</i> , 2010, 518, L126.	5.1	23
60	GAS in Protoplanetary Systems (GASPS). <i>Astronomy and Astrophysics</i> , 2010, 518, L127.	5.1	23
61	The far-infrared behaviour of Herbig Ae/Be discs: <i>Herschel</i> PACS photometry. <i>Astronomy and Astrophysics</i> , 2016, 586, A6.	5.1	23
62	Dynamics of the circumstellar gas in the Herbig Ae stars BF Orionis, SV Cephei, WW Vulpeculae and XY Persei. <i>Astronomy and Astrophysics</i> , 2004, 419, 225-240.	5.1	23
63	The planetary system host HR 8799: on its Bootis nature. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 406, 566-575.	4.4	22
64	$\epsilon$ Centauri A in the far infrared. <i>Astronomy and Astrophysics</i> , 2013, 549, L7.	5.1	21
65	The pre-main-sequence binary HK Ori: spectro-astrometry and EXPORT data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 353, 697-704.	4.4	18
66	Potential multi-component structure of the debris disk around HIP 17439 revealed by <i>Herschel</i> DUNES. <i>Astronomy and Astrophysics</i> , 2014, 561, A114.	5.1	18
67	Interpreting the extended emission around three nearby debris disc host stars. <i>Astronomy and Astrophysics</i> , 2014, 570, A114.	5.1	16
68	General properties of RS CVn systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 1988, 232, 361-376.	4.4	14
69	Spectral analysis of BD+30°623, the peculiar binary central star of the planetary nebula NGC 1514.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 2822-2831.	4.4	14
70	Nature of the gas and dust around 51 Ophiuchi. <i>Astronomy and Astrophysics</i> , 2013, 557, A111.	5.1	12
71	X-shooting Herbig Ae/Be stars: Accretion probed by near-infrared He I emission. <i>Astronomische Nachrichten</i> , 2011, 332, 238-241.	1.2	11
72	SEARCH FOR BRIGHT NEARBY M DWARFS WITH VIRTUAL OBSERVATORY TOOLS. <i>Astronomical Journal</i> , 2014, 148, 36.	4.7	11

#	ARTICLE	IF	CITATIONS
73	Ultraviolet and infrared monitoring of FG Sagittae during 1982-1989 - Evolutionary status. <i>Astrophysical Journal</i> , 1990, 363, 245.	4.5	11
74	Predicting the Length of Magnetic Cycles in Late-type Stars. <i>Astrophysical Journal</i> , 2005, 632, 1104-1112.	4.5	10
75	<i>Herschel</i> observations of the debris disc around HIP 92043. <i>Astronomy and Astrophysics</i> , 2013, 557, A58.	5.1	10
76	<i>Herschel</i> -PACS observations of discs in the $\beta$ -Chamaeleontis association. <i>Astronomy and Astrophysics</i> , 2015, 584, A22.	5.1	10
77	How dusty is $\beta$ -Centauri?. <i>Astronomy and Astrophysics</i> , 2014, 563, A102.	5.1	10
78	The protoplanetary disk of FT Tauri: multiwavelength data analysis and modeling. <i>Astronomy and Astrophysics</i> , 2014, 567, A141.	5.1	9
79	OMC/INTEGRAL photometric observations of pulsating components in eclipsing binaries and characterization of DY Aqr. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 3022-3032.	4.4	9
80	<i>Herschel</i> observations of the circumstellar environments of the Herbig Be stars R Mon and PDS 27. <i>Astronomy and Astrophysics</i> , 2017, 605, A62.	5.1	9
81	Evidence of the connection between internal magnetic fields and chromospheric activity in late-type stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 1987, 229, 627-641.	4.4	7
82	Debris disks as seen by <i>Herschel</i> /DUNES. <i>Astronomische Nachrichten</i> , 2012, 333, 441-446.	1.2	6
83	The search for gas in debris discs: ALMA detection of CO gas in HD 36546. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 693-700.	4.4	6
84	<i>Herschel</i> -PACS observations of [OI] and $H_2O$ in Chamaeleon II. <i>Astronomy and Astrophysics</i> , 2015, 575, A19.	5.1	5
85	HR 10: a main-sequence binary with circumstellar envelopes around both components. <i>Astronomy and Astrophysics</i> , 2019, 629, A19.	5.1	5
86	TYC 2675-663-1: a newly discovered W UMa system in an active state. <i>Astronomy and Astrophysics</i> , 2010, 514, A36.	5.1	3
87	The Evershed Effect in Sunspots: A Theoretical Explanation. <i>Astrophysics and Space Science</i> , 1998, 263, 323-326.	1.4	2
88	Key problems in cool-star astrophysics. <i>Astrophysics and Space Science</i> , 2006, 303, 17-31.	1.4	2
89	Spectroscopic properties of stars with debris discs. <i>Journal of Physics: Conference Series</i> , 2011, 328, 012011.	0.4	2
90	PARTNeR, a Radio Astronomy experience for students. <i>EAS Publications Series</i> , 2005, 16, 159-165.	0.3	1

#	ARTICLE	IF	CITATIONS
91	Magnetic Flux Concentration by Siphon Flows in Isolated Magnetic Flux Tubes. , 1990, , 263-266.		1
92	Magnetic Flux Concentration by Siphon Flows in Isolated Magnetic Flux Tubes. Symposium - International Astronomical Union, 1990, 138, 263-266.	0.1	0
93	Properties of the EXPORT sample: Spectral type determination. Symposium - International Astronomical Union, 2004, 202, 87-89.	0.1	0
94	Development of a Multi-Mission Data Server at LAEFF. , 0, , 314-315.		0