

Benjamin Montesinos

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	HR 10: a main-sequence binary with circumstellar envelopes around both components. <i>Astronomy and Astrophysics</i> , 2019, 629, A19.	5.1	5
3	<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
4	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
5	Incidence of debris discs around FGK stars in the solar neighbourhood. <i>Astronomy and Astrophysics</i> , 2016, 593, A51.	5.1	59
6	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
7	Searching for signatures of planet formation in stars with circumstellar debris discs. <i>Astronomy and Astrophysics</i> , 2015, 579, A20.	5.1	58
8	ALMA observations of β Centauri. <i>Astronomy and Astrophysics</i> , 2015, 573, L4.	5.1	33
9	<i>Herschel</i> -PACS observations of [OI] and H ₂ O in Chamaeleon II. <i>Astronomy and Astrophysics</i> , 2015, 575, A19.	5.1	5
10	<i>Herschel</i> -PACS observations of discs in the β Chamaeleontis association. <i>Astronomy and Astrophysics</i> , 2015, 584, A22.	5.1	10
11	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
12	PROBING STELLAR ACCRETION WITH MID-INFRARED HYDROGEN LINES. <i>Astrophysical Journal</i> , 2015, 801, 31.	4.5	46
13	The protoplanetary disk of FT Tauri: multiwavelength data analysis and modeling. <i>Astronomy and Astrophysics</i> , 2014, 567, A141.	5.1	9
14	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
15	SEARCH FOR BRIGHT NEARBY M DWARFS WITH VIRTUAL OBSERVATORY TOOLS. <i>Astronomical Journal</i> , 2014, 148, 36.	4.7	11
16	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
17	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
18	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

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19	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
20	DISK RADII AND GRAIN SIZES IN <i>HERSCHEL</i> -RESOLVED DEBRIS DISKS. <i>Astrophysical Journal</i> , 2014, 792, 65.	4.5	108
21	Interpreting the extended emission around three nearby debris disc host stars. <i>Astronomy and Astrophysics</i> , 2014, 570, A114.	5.1	16
22	Gas lines from the 5-Myr old optically thin disk around HD 141569A. <i>Astronomy and Astrophysics</i> , 2014, 561, A50.	5.1	45
23	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
24	How dusty is β Centauri?. <i>Astronomy and Astrophysics</i> , 2014, 563, A102.	5.1	10
25	Kepler-91b: a planet at the end of its life. <i>Astronomy and Astrophysics</i> , 2014, 562, A109.	5.1	101
26	Can eccentric debris disks be long-lived?. <i>Astronomy and Astrophysics</i> , 2014, 563, A72.	5.1	26
27	<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
28	GASPS: 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
29	<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
30	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
31	Dust around NEarby Stars. The survey observational results. <i>Astronomy and Astrophysics</i> , 2013, 555, A11.	5.1	183
32	DIGIT survey of far-infrared lines from protoplanetary discs. <i>Astronomy and Astrophysics</i> , 2013, 559, A84.	5.1	43
33	Nature of the gas and dust around 51 Ophiuchi. <i>Astronomy and Astrophysics</i> , 2013, 557, A111.	5.1	12
34	β Centauri A in the far infrared. <i>Astronomy and Astrophysics</i> , 2013, 549, L7.	5.1	21
35	<i>Herschel</i> observations of the debris disc around HIP 92043. <i>Astronomy and Astrophysics</i> , 2013, 557, A58.	5.1	10
36	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

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37	Observations of Herbig Ae/Be stars with <i>Herschel</i> /PACS. <i>Astronomy and Astrophysics</i> , 2012, 544, A78.	5.1	132
38	Modelling the huge, <i>Herschel</i> -resolved debris ring around HD 207129. <i>Astronomy and Astrophysics</i> , 2012, 537, A110.	5.1	70
39	Gas modelling in the disc of HD 163296. <i>Astronomy and Astrophysics</i> , 2012, 538, A20.	5.1	62
40	Metallicity of solar-type stars with debris discs and planets. <i>Astronomy and Astrophysics</i> , 2012, 541, A40.	5.1	75
41	A peculiar class of debris disks from <i>Herschel</i> /DUNES. <i>Astronomy and Astrophysics</i> , 2012, 541, A148.	5.1	30
42	Debris disks as seen by <i>Herschel</i> /DUNES. <i>Astronomische Nachrichten</i> , 2012, 333, 441-446.	1.2	6
43	Detection of warm water vapour in Taurus protoplanetary discs by <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2012, 538, L3.	5.1	57
44	Accretion-related properties of Herbig Ae/Be stars. <i>Astronomy and Astrophysics</i> , 2012, 543, A59.	5.1	62
45	Comparative modelling of the spectra of cool giants. <i>Astronomy and Astrophysics</i> , 2012, 547, A108.	5.1	39
46	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
47	Accretion rates and accretion tracers of Herbig Ae/Be stars. <i>Astronomy and Astrophysics</i> , 2011, 535, A99.	5.1	129
48	Spectroscopic properties of stars with debris discs. <i>Journal of Physics: Conference Series</i> , 2011, 328, 012011.	0.4	2
49	Optical spectroscopic variability of Herbig Ae/Be stars. <i>Astronomy and Astrophysics</i> , 2011, 529, A34.	5.1	58
50	Shooting Herbig Ae/Be stars: Accretion probed by near-infrared He I emission. <i>Astronomische Nachrichten</i> , 2011, 332, 238-241.	1.2	11
51	A <i>Herschel</i> -resolved far-infrared dust ring around HD 207129. <i>Astronomy and Astrophysics</i> , 2011, 529, A117.	5.1	37
52	<i>Herschel</i> discovery of a new class of cold, faint debris discs. <i>Astronomy and Astrophysics</i> , 2011, 536, L4.	5.1	35
53	Chromospheric activity and rotation of FGK stars in the solar vicinity. <i>Astronomy and Astrophysics</i> , 2010, 520, A79.	5.1	96
54	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

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55	The planetary system host HR 8799: on its Bootis nature. Monthly Notices of the Royal Astronomical Society, 2010, 406, 566-575.	4.4	22
56	A spectroscopy study of nearby late-type stars, possible members of stellar kinematic groups. Astronomy and Astrophysics, 2010, 521, A12.	5.1	91
57	<i>Herschel</i> -PACS observation of the 10 Myr old T Tauri disk TW Hya. Astronomy and Astrophysics, 2010, 518, L125.	5.1	66
58	Resolving the cold debris disc around a planet-hosting star. Astronomy and Astrophysics, 2010, 518, L132.	5.1	39
59	TYC 2675-663-1: a newly discovered W UMa system in an active state. Astronomy and Astrophysics, 2010, 514, A36.	5.1	3
60	Gas in the protoplanetary disc of HD 169142: <i>Herschel</i> 's view. Astronomy and Astrophysics, 2010, 518, L124.	5.1	39
61	The <i>Herschel</i> view of GAS in Protoplanetary Systems (GASPS). Astronomy and Astrophysics, 2010, 518, L126.	5.1	23
62	Cold Dust around NEarby Stars (DUNES). First results. Astronomy and Astrophysics, 2010, 518, L131.	5.1	52
63	GAS in Protoplanetary Systems (GASPS). Astronomy and Astrophysics, 2010, 518, L127.	5.1	23
64	OPTICAL CHARACTERIZATION OF A NEW YOUNG STELLAR POPULATION IN THE SERPENS MOLECULAR CLOUD. Astrophysical Journal, 2009, 691, 672-686.	4.5	68
65	Parameters of Herbig Ae/Be and Vega-type stars. Astronomy and Astrophysics, 2009, 495, 901-917.	5.1	108
66	Key problems in cool-star astrophysics. Astrophysics and Space Science, 2006, 303, 17-31.	1.4	2
67	PARTNeR, a Radio Astronomy experience for students. EAS Publications Series, 2005, 16, 159-165.	0.3	1
68	Predicting the Length of Magnetic Cycles in Late-type Stars. Astrophysical Journal, 2005, 632, 1104-1112.	4.5	10
69	Properties of the EXPORT sample: Spectral type determination. Symposium - International Astronomical Union, 2004, 202, 87-89.	0.1	0
70	The pre-main-sequence binary HK Ori: spectro-astrometry and EXPORT data. Monthly Notices of the Royal Astronomical Society, 2004, 353, 697-704.	4.4	18
71	Study of the properties and spectral energy distributions of the Herbig Ae/Be stars HD 34282 and HD 141569. Astronomy and Astrophysics, 2004, 419, 301-318.	5.1	80
72	Dynamics of the circumstellar gas in the Herbig Ae stars BF Orionis, SV Cephei, WW Vulpeculae and XY Persei. Astronomy and Astrophysics, 2004, 419, 225-240.	5.1	23

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73	A dynamical study of the circumstellar gas in UX Orionis. <i>Astronomy and Astrophysics</i> , 2002, 393, 259-271.	5.1	23
74	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
75	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
76	EXPORT: Near-IR observations of Vega-type and pre-main sequence stars. <i>Astronomy and Astrophysics</i> , 2001, 365, 110-114.	5.1	38
77	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
78	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
79	The Evershed Effect in Sunspots: A Theoretical Explanation. <i>Astrophysics and Space Science</i> , 1998, 263, 323-326.	1.4	2
80	The Evershed effect in sunspots as a siphon flow along a magnetic flux tube. <i>Nature</i> , 1997, 390, 485-487.	27.8	92
81	The RIASS coronation: Joint X-ray and ultraviolet observations of normal F-K stars. <i>Astrophysical Journal, Supplement Series</i> , 1995, 96, 223.	7.7	79
82	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
83	Siphon flows in isolated magnetic flux tubes. V - Radiative flows with variable ionization. <i>Astrophysical Journal</i> , 1993, 402, 314.	4.5	28
84	A siphon-flow model of the photospheric Evershed flow in a sunspot. <i>Astrophysical Journal</i> , 1993, 407, 398.	4.5	38
85	The dependence of coronal temperatures on Rossby numbers. <i>Monthly Notices of the Royal Astronomical Society</i> , 1991, 252, 21P-26P.	4.4	23
86	Siphon flows in isolated magnetic flux tubes. IV - Critical flows with standing tube shocks. <i>Astrophysical Journal</i> , 1991, 375, 404.	4.5	42
87	Magnetic Flux Concentration by Siphon Flows in Isolated Magnetic Flux Tubes. <i>Symposium - International Astronomical Union</i> , 1990, 138, 263-266.	0.1	0
88	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
89	Ultraviolet and infrared monitoring of FG Sagittae during 1982-1989 - Evolutionary status. <i>Astrophysical Journal</i> , 1990, 363, 245.	4.5	11
90	Magnetic Flux Concentration by Siphon Flows in Isolated Magnetic Flux Tubes. , 1990, , 263-266.		1

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91	Siphon flows in isolated magnetic flux tubes. II - Adiabatic flows. <i>Astrophysical Journal</i> , 1989, 337, 977.	4.5	42
92	General properties of RS CVn systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 1988, 232, 361-376.	4.4	14
93	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
94	Development of a Multi-Mission Data Server at LAEFF. , 0, , 314-315.		0