Amelia Bayo

List of Publications by Year in descending order

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87888 123424 4,924 135 38 61 citations h-index g-index papers 137 137 137 3887 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	VOSA: virtual observatory SED analyzer. Astronomy and Astrophysics, 2008, 492, 277-287.	5.1	386
2	YSOVAR: THE FIRST SENSITIVE, WIDE-AREA, MID-INFRARED PHOTOMETRIC MONITORING OF THE ORION NEBULA CLUSTER. Astrophysical Journal, 2011, 733, 50.	4.5	199
3	DUst around NEarby Stars. The survey observational results. Astronomy and Astrophysics, 2013, 555, A11.	5.1	183
4	The <i>Gaia </i> -ESO Survey: The analysis of high-resolution UVES spectra of FGK-type stars. Astronomy and Astrophysics, 2014, 570, A122.	5.1	165
5	The Ophiuchus DIsc Survey Employing ALMA (ODISEA) – I: project description and continuum images at 28 au resolution. Monthly Notices of the Royal Astronomical Society, 2019, 482, 698-714.	4.4	138
6	A <i>SPITZER</i> c2d LEGACY SURVEY TO IDENTIFY AND CHARACTERIZE DISKS WITH INNER DUST HOLES. Astrophysical Journal, 2010, 718, 1200-1223.	4.5	116
7	The <i>Gaia</i> -ESO Survey: Exploring the complex nature and origins of the Galactic bulge populations. Astronomy and Astrophysics, 2017, 601, A140.	5.1	93
8	The <i> Gaia < /i> -ESO Survey: radial distribution of abundances in the Galactic disc from open clusters and young-field stars. Astronomy and Astrophysics, 2017, 603, A2.</i>	5.1	84
9	Spectroscopy of very low mass stars and brown dwarfs in the Lambda Orionis star forming region. Astronomy and Astrophysics, 2011, 536, A63.	5.1	78
10	YOUNG STELLAR OBJECT VARIABILITY (YSOVAR): LONG TIMESCALE VARIATIONS IN THE MID-INFRARED. Astronomical Journal, 2014, 148, 92.	4.7	75
11	Modelling the huge, <i>Herschel</i> -resolved debris ring around HD 207129. Astronomy and Astrophysics, 2012, 537, A110.	5.1	70
12	Azimuthal asymmetries in the debris disk around HD 61005. Astronomy and Astrophysics, 2016, 591, A108.	5.1	70
13	The < i > Gaia < /i> -ESO Survey: Chromospheric emission, accretion properties, and rotation in < i > \hat{l}^3 < /i > Velorum and Chamaeleon I. Astronomy and Astrophysics, 2015, 575, A4.	5.1	69
14	Dynamical analysis of nearby clusters. Astronomy and Astrophysics, 2013, 554, A101.	5.1	69
15	The lithium-rotation connection in the 125 Myr-old Pleiades cluster. Astronomy and Astrophysics, 2018, 613, A63.	5.1	64
16	WTS-2 b: a hot Jupiter orbiting near its tidal destruction radius around a K dwarf. Monthly Notices of the Royal Astronomical Society, 2014, 440, 1470-1489.	4.4	63
17	The <i>Gaia</i> -ESO Survey: the present-day radial metallicity distribution of the Galactic disc probed by pre-main-sequence clusters. Astronomy and Astrophysics, 2017, 601, A70.	5.1	63
18	The < i> Gaia < /i> -ESO Survey: characterisation of the $[\langle i \rangle \hat{l} \pm \langle i \rangle /Fe]$ sequences in the Milky Way discs. Astronomy and Astrophysics, 2015, 582, A122.	5.1	60

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19	Incidence of debris discs around FGK stars in the solar neighbourhood. Astronomy and Astrophysics, 2016, 593, A51.	5.1	59
20	Search for associations containing young stars (SACY). Astronomy and Astrophysics, 2014, 568, A26.	5.1	58
21	⟨i>HERSCHEL's "COLD DEBRIS DISKS†BACKGROUND GALAXIES OR QUIESCENT RIMS OF PLANETARY SYSTEMS?. Astrophysical Journal, 2013, 772, 32.	4.5	57
22	The <i>Gaia</i> -ESO Survey: Sodium and aluminium abundances in giants and dwarfs. Astronomy and Astrophysics, 2016, 589, A115.	5.1	55
23	The Gaia-ESO Survey: lithium depletion in the Gamma Velorum cluster and inflated radii in low-mass pre-main-sequence stars. Monthly Notices of the Royal Astronomical Society, 2017, 464, 1456-1465.	4.4	54
24	The ⟨i⟩Gaia⟨ i⟩-ESO survey: the non-universality of the age–chemical-clocks–metallicity relations in the Galactic disc. Astronomy and Astrophysics, 2020, 639, A127.	5.1	54
25	The <i>Gaia</i> -ESO Survey: open clusters in <i>Gaia</i> -DR1. Astronomy and Astrophysics, 2018, 612, A99.	5.1	53
26	Cold DUst around NEarby Stars (DUNES). First results. Astronomy and Astrophysics, 2010, 518, L131.	5.1	52
27	The Gaia-ESO Survey: a quiescent Milky Way with no significant dark/stellar accreted disca~ Monthly Notices of the Royal Astronomical Society, 2015, 450, 2874-2887.	4.4	52
28	The <i>Gaia</i> -ESO Survey: Calibration strategy. Astronomy and Astrophysics, 2017, 598, A5.	5.1	51
29	<i>Spitzer</i> : Accretion in Lowâ€Mass Stars and Brown Dwarfs in the λ Orionis Cluster. Astrophysical Journal, 2007, 664, 481-500.	4.5	48
30	The <i>Gaia</i> -ESO survey: Discovery of a spatially extended low-mass population in the Vela OB2 association. Astronomy and Astrophysics, 2015, 574, L7.	5.1	48
31	Spectroscopy of very low-mass stars and brown dwarfs in the Lambda Orionis star-forming region. Astronomy and Astrophysics, 2012, 547, A80.	5.1	47
32	The <i> Gaia </i> > ESO Survey: A lithium-rotation connection at 5 Myr?. Astronomy and Astrophysics, 2016, 590, A78.	5.1	46
33	First Millimeter Detection of the Disk around a Young, Isolated, Planetary-mass Object. Astrophysical Journal Letters, 2017, 841, L11.	8.3	45
34	The <i>Gaia</i> -ESO Survey: double-, triple-, and quadruple-line spectroscopic binary candidates. Astronomy and Astrophysics, 2017, 608, A95.	5.1	45
35	High-resolution spectroscopic atlas of M subdwarfs. Effective temperature and metallicity. Astronomy and Astrophysics, 2014, 564, A90.	5.1	44
36	The first planet detected in the WTS: an inflated hot Jupiter in a 3.35 d orbit around a late F star. Monthly Notices of the Royal Astronomical Society, 2012, 427, 1877-1890.	4.4	42

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37	THE FIRST SCIENCE RESULTS FROM SPHERE: DISPROVING THE PREDICTED BROWN DWARF AROUND V471 TAU. Astrophysical Journal Letters, 2015, 800, L24.	8.3	41
38	The <i>Gaia</i> -ESO Survey: the origin and evolution of <i>s</i> -process elements. Astronomy and Astrophysics, 2018, 617, A106.	5.1	41
39	The Gaia-ESO Survey: evidence of atomic diffusion in M67?. Monthly Notices of the Royal Astronomical Society, 2018, 478, 425-438.	4.4	40
40	Search for associations containing young stars (SACY). Astronomy and Astrophysics, 2016, 590, A13.	5.1	39
41	The <i>Gaia</i> -ESO survey: Calibrating a relationship between age and the [C/N] abundance ratio with open clusters. Astronomy and Astrophysics, 2019, 629, A62.	5.1	39
42	FIRST DETECTION OF THERMAL RADIOJETS IN A SAMPLE OF PROTO-BROWN DWARF CANDIDATES. Astrophysical Journal, 2015, 807, 55.	4.5	38
43	A search for pre-substellar cores and proto-brown dwarf candidates in Taurus: multiwavelength analysis in the B213-L1495 clouds. Monthly Notices of the Royal Astronomical Society, 2012, 424, 2778-2791.	4.4	37
44	YSOVAR: MID-INFRARED VARIABILITY IN THE STAR-FORMING REGION LYNDS 1688. Astronomical Journal, 2014, 148, 122.	4.7	37
45	ALMA Observations of Elias 2–24: A Protoplanetary Disk with Multiple Gaps in the Ophiuchus Molecular Cloud. Astrophysical Journal Letters, 2017, 851, L23.	8.3	37
46	A <i>Herschel</i> resolved far-infrared dust ring around HDÂ207129. Astronomy and Astrophysics, 2011, 529, A117.	5.1	37
47	Search for associations containing young stars (SACY). Astronomy and Astrophysics, 2015, 580, A88.	5.1	37
48	On the Ubiquity and Stellar Luminosity Dependence of Exocometary CO Gas: Detection around M Dwarf TWA 7. Astronomical Journal, 2019, 157, 117.	4.7	36
49	The <i>Gaia </i> -ESO Survey: Empirical determination of the precision of stellar radial velocities and projected rotation velocities. Astronomy and Astrophysics, 2015, 580, A75.	5.1	36
50	Gaia-ESO Survey: Analysis of pre-main sequence stellar spectra. Astronomy and Astrophysics, 2015, 576, A80.	5.1	35
51	<i>Herschel</i> discovery of a new class of cold, faint debris discs. Astronomy and Astrophysics, 2011, 536, L4.	5.1	35
52	OTS 44: Disk and accretion at the planetary border. Astronomy and Astrophysics, 2013, 558, L7.	5.1	34
53	YSOVAR: MID-INFRARED VARIABILITY IN NGC 1333. Astronomical Journal, 2015, 150, 175.	4.7	34
54	The <i>Gaia</i> -ESO Survey: properties of newly discovered Li-rich giants. Astronomy and Astrophysics, 2018, 617, A4.	5.1	34

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55	The <i>Gaia < /i>-ESO Survey: Dynamical analysis of the L1688 region in Ophiuchus. Astronomy and Astrophysics, 2016, 588, A123.</i>	5.1	32
56	The i>Gaia i>-ESO Survey: a kinematical and dynamical study of four young open clusters. Astronomy and Astrophysics, 2018, 615, A37.	5.1	31
57	The <i>Gaia</i> -ESO Survey: Lithium enrichment histories of the Galactic thick and thin disc. Astronomy and Astrophysics, 2018, 610, A38.	5.1	31
58	The crucial role of higher order multiplicity in wide binary formation: a case study using the \hat{l}^2 -Pictoris moving group. Monthly Notices of the Royal Astronomical Society, 2016, 459, 4499-4507.	4.4	30
59	The Gaia-ESO Survey: asymmetric expansion of the Lagoon Nebula cluster NGC 6530 from GES and Gaia DR2. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2477-2493.	4.4	30
60	Resolving faint structures in the debris disk around TWA 7. Astronomy and Astrophysics, 2018, 617, A109.	5.1	29
61	The <i>Gaia</i> -ESO Survey: Churning through the Milky Way. Astronomy and Astrophysics, 2018, 609, A79.	5.1	29
62	The co-existence of hot and cold gas in debris discs. Astronomy and Astrophysics, 2018, 614, A3.	5.1	28
63	Exocomet signatures around the A-shell star <i>i†</i> Leonis?. Astronomy and Astrophysics, 2016, 594, L1.	5.1	27
64	The <i> Gaia < /i> -ESO Survey: Structural and dynamical properties of the young cluster Chamaeleon I. Astronomy and Astrophysics, 2017, 601, A97.</i>	5.1	27
65	The <i>Gaia</i> -ESO survey: 3D NLTE abundances in the open cluster NGC 2420 suggest atomic diffusion and turbulent mixing are at the origin of chemical abundance variations. Astronomy and Astrophysics, 2020, 643, A164.	5.1	27
66	From Scattered-light to Millimeter Emission: A Comprehensive View of the Gigayear-old System of HD 202628 and its Eccentric Debris Ring. Astronomical Journal, 2019, 158, 162.	4.7	27
67	The <i>Gaia</i> -ESO Survey: Calibrating the lithium–age relation with open clusters and associations. Astronomy and Astrophysics, 2020, 643, A71.	5.1	25
68	The first pre-supersoft X-ray binary. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1754-1763.	4.4	24
69	The Gaia–ESO Survey: Carbon Abundance in the Galactic Thin and Thick Disks [*] . Astrophysical Journal, 2020, 888, 55.	4.5	24
70	The Gaia-ESO Survey: membership probabilities for stars in 32 open clusters from 3D kinematics. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4701-4716.	4.4	24
71	Search for associations containing young stars (SACY). Astronomy and Astrophysics, 2021, 645, A30.	5.1	24
72	A proto brown dwarf candidate in Taurus. Astronomy and Astrophysics, 2009, 508, 859-867.	5.1	23

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73	The bimodal initial mass function in the Orion nebula cloud. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1734-1744.	4.4	23
74	Exocomets: A spectroscopic survey. Astronomy and Astrophysics, 2020, 639, A11.	5.1	23
75	The Gaia–ESO Survey: dynamical models of flattened, rotating globular clusters. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4740-4762.	4.4	22
76	Searching for faint comoving companions to the α Centauri system in the VVV survey infrared images. Monthly Notices of the Royal Astronomical Society, 2017, 472, 3952-3958.	4.4	22
77	Looking Deep into the Rosette Nebula's Heart: The (Sub)stellar Content of the Massive Young Cluster NGC 2244. Astrophysical Journal, 2019, 881, 79.	4.5	22
78	The challenge of measuring the phase function of debris discs. Astronomy and Astrophysics, 2020, 640, A12.	5.1	22
79	Multi-wavelength study of the disk around the very low-mass star Par-Lup3-4. Astronomy and Astrophysics, 2010, 523, A42.	5.1	21
80	The <i>Gaia</i> -ESO Survey: the inner disk, intermediate-age open cluster Trumpler 23. Astronomy and Astrophysics, 2017, 598, A68.	5.1	21
81	The <i>Gaia</i> -ESO Survey: The N/O abundance ratio in the Milky Way. Astronomy and Astrophysics, 2018, 618, A102.	5.1	21
82	Accretion signatures in the X-shooter spectrum of the substellar companion to SR12. Monthly Notices of the Royal Astronomical Society, 2018, 475, 2994-3003.	4.4	21
83	The <i>Gaia</i> -ESO Survey: Galactic evolution of lithium at high metallicity. Astronomy and Astrophysics, 2020, 640, L1.	5.1	20
84	The vertical structure of debris discs and the impact of gas. Monthly Notices of the Royal Astronomical Society, 2022, 513, 713-734.	4.4	20
85	The <i>Gaia</i> -ESO Survey: detection and characterisation of single-line spectroscopic binaries. Astronomy and Astrophysics, 2020, 635, A155.	5.1	19
86	The <i>Gaia</i> -ESO Survey: Target selection of open cluster stars. Astronomy and Astrophysics, 2022, 659, A200.	5.1	19
87	Dust production in the debris disk around HR 4796 A. Astronomy and Astrophysics, 2019, 630, A142.	5.1	18
88	Temperature constraints on the coldest brown dwarf known: WISE 0855-0714. Astronomy and Astrophysics, 2014, 570, L8.	5.1	18
89	Dust trapping around Lagrangian points in protoplanetary disks. Astronomy and Astrophysics, 2020, 642, A224.	5.1	18
90	THE GAIA-ESO SURVEY: METAL-RICH BANANAS IN THE BULGE. Astrophysical Journal Letters, 2016, 824, L29.	8.3	18

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91	Searching for Changing-state AGNs in Massive Data Sets. I. Applying Deep Learning and Anomaly-detection Techniques to Find AGNs with Anomalous Variability Behaviors. Astronomical Journal, 2021, 162, 206.	4.7	18
92	A homogeneous analysis of disks around brown dwarfs. Astronomy and Astrophysics, 2015, 582, A22.	5.1	17
93	The <i>Gaia</i> -ESO survey: a lithium depletion boundary age for NGCÂ2232. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1280-1292.	4.4	17
94	The <i>Gaia</i> -ESO survey: the inner disk intermediate-age open cluster NGC 6802. Astronomy and Astrophysics, 2017, 601, A56.	5.1	16
95	A new take on the low-mass brown dwarf companions on wide orbits in Upper-Scorpius. Astronomy and Astrophysics, 2020, 633, A124.	5.1	16
96	Investigating the magnetospheric accretion process in the young pre-transitional disk system DoAr 44 (V2062 Oph). Astronomy and Astrophysics, 2020, 643, A99.	5.1	16
97	Debris discs with multiple absorption features in metallic lines: circumstellar or interstellar origin?. Monthly Notices of the Royal Astronomical Society, 2018, 480, 488-520.	4.4	14
98	A deep look into the core of young clusters. Astronomy and Astrophysics, 2009, 504, 199-209.	5.1	13
99	Proper motions of young stars in Chamaeleon. Astronomy and Astrophysics, 2013, 556, A144.	5.1	13
100	Near-infrared photometry of WISE J085510.74–071442.5. Astronomy and Astrophysics, 2016, 592, A80.	5.1	13
101	The <i>Gaia</i> -ESO Survey: The inner disc, intermediate-age open cluster Pismis 18. Astronomy and Astrophysics, 2019, 626, A90.	5.1	13
102	Long Live the Disk: Lifetimes of Protoplanetary Disks in Hierarchical Triple-star Systems and a Possible Explanation for HD 98800 B. Astrophysical Journal, 2021, 916, 113.	4.5	13
103	DEEP <i>z</i> BAND OBSERVATIONS OF THE COOLEST Y DWARF. Astrophysical Journal, 2014, 797, 3.	4.5	12
104	The <i>Gaia</i> -ESO Survey: dynamics of ionized and neutral gas in the Lagoon nebula (M 8). Astronomy and Astrophysics, 2017, 604, A135.	5.1	12
105	An Automated Tool to Detect Variable Sources in the Vista Variables in the VÃa LÃ;ctea Survey: The VVV Variables (V ⁴) Catalog of Tiles d001 and d002. Astrophysical Journal, 2018, 864, 11.	4.5	12
106	The planet formation imager. Experimental Astronomy, 2018, 46, 517-529.	3.7	12
107	The HD 98800 quadruple pre-main sequence system. Astronomy and Astrophysics, 2021, 655, A15.	5.1	12
108	Characterizing the morphology of the debris disk around the low-mass star GSC 07396-00759. Astronomy and Astrophysics, 2021, 653, A88.	5.1	12

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109	The Gaia-ESO Survey: an extremely Li-rich giant in globular cluster NGC 1261. Astronomy and Astrophysics, 2020, 639, L2.	5.1	12
110	The Gaia-ESO Survey: Oxygen Abundance in the Galactic Thin and Thick Disks*. Astronomical Journal, 2021, 161, 9.	4.7	12
111	Physical parameters of late M-type members of Chamaeleon I and TW Hydrae Association: dust settling, age dispersion and activity. Monthly Notices of the Royal Astronomical Society, 2017, 465, 760-783.	4.4	11
112	The Gaia-ESO Survey: matching chemodynamical simulations to observations of the Milky Way. Monthly Notices of the Royal Astronomical Society, 2018, 473, 185-197.	4.4	11
113	The <i>Gaia</i> -ESO Survey: A new diagnostic for accretion and outflow activity in the young cluster NGC 2264. Astronomy and Astrophysics, 2020, 642, A56.	5.1	11
114	Large-amplitude periodic outbursts and long-period variables in the VVV VIRAC2-Î ² data base. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1015-1035.	4.4	11
115	<i>Herschel</i> observations of the debris disc around HIP 92043. Astronomy and Astrophysics, 2013, 557, A58.	5.1	10
116	Sub-millimetre non-contaminated detection of the disc around TWA 7 by ALMA. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5552-5557.	4.4	10
117	The Gaia-ESO survey: Constraining evolutionary models and ages for young low mass stars with measurements of lithium depletion and rotation. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	10
118	A search for pre- and proto-brown dwarfs in the dark cloud Barnard 30 with ALMA. Astronomy and Astrophysics, 2017, 597, A17.	5.1	9
119	Gaia–ESO Survey: INTRIGOSS—A New Library of High-resolution Synthetic Spectra. Astrophysical Journal, 2018, 862, 146.	4.5	9
120	A submillimetre search for pre- and proto-brown dwarfs in Chamaeleon II. Astronomy and Astrophysics, 2016, 590, A79.	5.1	8
121	Scattered light may reveal the existence of ringed exoplanets. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 496, L85-L90.	3.3	8
122	Planet Formation Imager (PFI): science vision and key requirements. , 2016, , .		7
123	<i>Cronomoons</i> : origin, dynamics, and light-curve features of ringed exomoons. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1032-1044.	4.4	6
124	The Characterization of the Dust Content in the Ring Around Sz 91: Indications of Planetesimal Formation?. Astrophysical Journal, 2021, 923, 128.	4.5	6
125	The protoplanetary disc around HD 169142: circumstellar or circumbinary?. Monthly Notices of the Royal Astronomical Society, 2021, 510, 205-215.	4.4	6
126	Early phases in the stellar and substellar formation and evolution. Astronomy and Astrophysics, 2018, 612, A79.	5.1	5

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127	NaCo polarimetric observations of Sz 91 transitional disc: a remarkable case of dust filtering. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1531-1542.	4.4	5
128	An unusually large gaseous transit in a debris disc. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5218-5227.	4.4	4
129	The G 305 Star-forming Region. II. Irregular Variable Stars. Astrophysical Journal, 2021, 914, 28.	4.5	4
130	Spectrophotometric characterization of high proper motion sources from <i>WISE </i> Notices of the Royal Astronomical Society, 2015, 454, 4054-4065.	4.4	3
131	Is there really a debris disc around ζ2 Reticuli?. Monthly Notices of the Royal Astronomical Society, 2018, 481, 44-48.	4.4	3
132	ALMA observations of the early stages of substellar formation in the Lupus 1 and 3 molecular clouds. Astronomy and Astrophysics, 2021, 646, A10.	5.1	3
133	Radiative Scale Height and Shadows in Protoplanetary Disks. Astrophysical Journal, 2021, 910, 31.	4.5	3
134	Variable stars around selected open clusters in the VVV area: Young Stellar Objects. EPJ Web of Conferences, 2017, 152, 01025.	0.3	0
135	La Serena School for Data Science: multidisciplinary hands-on education in the era of big data. Proceedings of the International Astronomical Union, 2019, 15, 458-460.	0.0	0