

Amelia Bayo

List of Publications by Year in descending order

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135
papers

4,924
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87888

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137
docs citations

137
times ranked

3887
citing authors

#	ARTICLE	IF	CITATIONS
1	<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
2	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
3	Large-amplitude periodic outbursts and long-period variables in the VVV VIRAC2- \hat{I}^2 data base. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1015-1035.	4.4	11
4	The <i>Gaia</i>-ESO Survey: Target selection of open cluster stars. Astronomy and Astrophysics, 2022, 659, A200.	5.1	19
5	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
6	Radiative Scale Height and Shadows in Protoplanetary Disks. Astrophysical Journal, 2021, 910, 31.	4.5	3
7	The <i>Gaia</i>-ESO survey: a lithium depletion boundary age for NGC 2232. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1280-1292.	4.4	17
8	The G 305 Star-forming Region. II. Irregular Variable Stars. Astrophysical Journal, 2021, 914, 28.	4.5	4
9	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
10	The HD 98800 quadruple pre-main sequence system. Astronomy and Astrophysics, 2021, 655, A15.	5.1	12
11	Characterizing the morphology of the debris disk around the low-mass star GSC 07396-00759. Astronomy and Astrophysics, 2021, 653, A88.	5.1	12
12	The Gaia-ESO Survey: Oxygen Abundance in the Galactic Thin and Thick Disks*. Astronomical Journal, 2021, 161, 9.	4.7	12
13	Search for associations containing young stars (SACY). Astronomy and Astrophysics, 2021, 645, A30.	5.1	24
14	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
15	The Characterization of the Dust Content in the Ring Around Sz 91: Indications of Planetesimal Formation?. Astrophysical Journal, 2021, 923, 128.	4.5	6
16	The protoplanetary disc around HD 169142: circumstellar or circumbinary?. Monthly Notices of the Royal Astronomical Society, 2021, 510, 205-215.	4.4	6
17	The Gaia-ESO Survey: Carbon Abundance in the Galactic Thin and Thick Disks [*] . Astrophysical Journal, 2020, 888, 55.	4.5	24
18	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

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19	A new take on the low-mass brown dwarf companions on wide orbits in Upper-Scorpius. <i>Astronomy and Astrophysics</i> , 2020, 633, A124.	5.1	16
20	Exocomets: A spectroscopic survey. <i>Astronomy and Astrophysics</i> , 2020, 639, A11.	5.1	23
21	Scattered light may reveal the existence of ringed exoplanets. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 496, L85-L90.	3.3	8
22	NaCo polarimetric observations of Szâ€™91 transitional disc: a remarkable case of dust filtering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1531-1542.	4.4	5
23	The Gaia-ESO Survey: membership probabilities for stars in 32 open clusters from 3D kinematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 4701-4716.	4.4	24
24	The Gaia-ESO Survey: detection and characterisation of single-line spectroscopic binaries. <i>Astronomy and Astrophysics</i> , 2020, 635, A155.	5.1	19
25	The Gaia-ESO Survey: A new diagnostic for accretion and outflow activity in the young cluster NGC 2264. <i>Astronomy and Astrophysics</i> , 2020, 642, A56.	5.1	11
26	The challenge of measuring the phase function of debris discs. <i>Astronomy and Astrophysics</i> , 2020, 640, A12.	5.1	22
27	The Gaia-ESO Survey: an extremely Li-rich giant in globular cluster NGC 1261. <i>Astronomy and Astrophysics</i> , 2020, 639, L2.	5.1	12
28	The Gaia-ESO Survey: Galactic evolution of lithium at high metallicity. <i>Astronomy and Astrophysics</i> , 2020, 640, L1.	5.1	20
29	Dust trapping around Lagrangian points in protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2020, 642, A224.	5.1	18
30	The Gaia-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. <i>Astronomy and Astrophysics</i> , 2020, 643, A164.	5.1	27
31	Investigating the magnetospheric accretion process in the young pre-transitional disk system DoAr 44 (V2062 Oph). <i>Astronomy and Astrophysics</i> , 2020, 643, A99.	5.1	16
32	The Gaia-ESO Survey: Calibrating the lithiumâ€™age relation with open clusters and associations. <i>Astronomy and Astrophysics</i> , 2020, 643, A71.	5.1	25
33	The Gaia-ESO Survey: The inner disc, intermediate-age open cluster Pismis 18. <i>Astronomy and Astrophysics</i> , 2019, 626, A90.	5.1	13
34	An unusually large gaseous transit in a debris disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5218-5227.	4.4	4
35	The Gaia-ESO survey: Calibrating a relationship between age and the [C/N] abundance ratio with open clusters. <i>Astronomy and Astrophysics</i> , 2019, 629, A62.	5.1	39
36	Sub-millimetre non-contaminated detection of the disc around TWAâ€™7 by ALMA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 5552-5557.	4.4	10

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37	The Gaia-ESO Survey: asymmetric expansion of the Lagoon Nebula cluster NGC 6530 from GES and Gaia DR2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 2477-2493.	4.4	30
38	On the Ubiquity and Stellar Luminosity Dependence of Exocometary CO Gas: Detection around M Dwarf TWA 7. <i>Astronomical Journal</i> , 2019, 157, 117.	4.7	36
39	Looking Deep into the Rosette Nebula's Heart: The (Sub)stellar Content of the Massive Young Cluster NGC 2244. <i>Astrophysical Journal</i> , 2019, 881, 79.	4.5	22
40	Dust production in the debris disk around HR 4796 A. <i>Astronomy and Astrophysics</i> , 2019, 630, A142.	5.1	18
41	The Ophiuchus Disc Survey Employing ALMA (ODISEA) – I: project description and continuum images at 28 au resolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 698-714.	4.4	138
42	From Scattered-light to Millimeter Emission: A Comprehensive View of the Gigayear-old System of HD 202628 and its Eccentric Debris Ring. <i>Astronomical Journal</i> , 2019, 158, 162.	4.7	27
43	La Serena School for Data Science: multidisciplinary hands-on education in the era of big data. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 458-460.	0.0	0
44	The Gaia-ESO Survey: matching chemodynamical simulations to observations of the Milky Way. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 185-197.	4.4	11
45	Early phases in the stellar and substellar formation and evolution. <i>Astronomy and Astrophysics</i> , 2018, 612, A79.	5.1	5
46	Gaia-ESO Survey: INTRIGOSS – A New Library of High-resolution Synthetic Spectra. <i>Astrophysical Journal</i> , 2018, 862, 146.	4.5	9
47	The Gaia-ESO Survey: The N/O abundance ratio in the Milky Way. <i>Astronomy and Astrophysics</i> , 2018, 618, A102.	5.1	21
48	The co-existence of hot and cold gas in debris discs. <i>Astronomy and Astrophysics</i> , 2018, 614, A3.	5.1	28
49	The Gaia-ESO Survey: the origin and evolution of s-process elements. <i>Astronomy and Astrophysics</i> , 2018, 617, A106.	5.1	41
50	Debris discs with multiple absorption features in metallic lines: circumstellar or interstellar origin?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 488-520.	4.4	14
51	An Automated Tool to Detect Variable Sources in the Vista Variables in the VISTA Lick Survey: The VV Variables (V_{4}) Catalog of Tiles d001 and d002. <i>Astrophysical Journal</i> , 2018, 864, 11.	4.5	12
52	Resolving faint structures in the debris disk around TWA 7. <i>Astronomy and Astrophysics</i> , 2018, 617, A109.	5.1	29
53	The Gaia-ESO Survey: properties of newly discovered Li-rich giants. <i>Astronomy and Astrophysics</i> , 2018, 617, A4.	5.1	34
54	The Gaia-ESO Survey: a kinematical and dynamical study of four young open clusters. <i>Astronomy and Astrophysics</i> , 2018, 615, A37.	5.1	31

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55	Is there really a debris disc around ϵ 2 Reticuli?. Monthly Notices of the Royal Astronomical Society, 2018, 481, 44-48.	4.4	3
56	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
57	The Gaia-ESO Survey: evidence of atomic diffusion in M67?. Monthly Notices of the Royal Astronomical Society, 2018, 478, 425-438.	4.4	40
58	The planet formation imager. Experimental Astronomy, 2018, 46, 517-529.	3.7	12
59	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
60	The <i>Gaia</i> -ESO Survey: open clusters in <i>Gaia</i> -DR1. Astronomy and Astrophysics, 2018, 612, A99.	5.1	53
61	The lithium-rotation connection in the 125 Myr-old Pleiades cluster. Astronomy and Astrophysics, 2018, 613, A63.	5.1	64
62	The <i>Gaia</i> -ESO Survey: Churning through the Milky Way. Astronomy and Astrophysics, 2018, 609, A79.	5.1	29
63	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
64	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
65	The <i>Gaia</i> -ESO Survey: Calibration strategy. Astronomy and Astrophysics, 2017, 598, A5.	5.1	51
66	The <i>Gaia</i> -ESO Survey: Structural and dynamical properties of the young cluster Chamaeleon I. Astronomy and Astrophysics, 2017, 601, A97.	5.1	27
67	First Millimeter Detection of the Disk around a Young, Isolated, Planetary-mass Object. Astrophysical Journal Letters, 2017, 841, L11.	8.3	45
68	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
69	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
70	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
71	ALMA Observations of Elias 24: A Protoplanetary Disk with Multiple Gaps in the Ophiuchus Molecular Cloud. Astrophysical Journal Letters, 2017, 851, L23.	8.3	37
72	The <i>Gaia</i> -ESO Survey: the inner disk, intermediate-age open cluster Trumpler 23. Astronomy and Astrophysics, 2017, 598, A68.	5.1	21

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73	Variable stars around selected open clusters in the VV area: Young Stellar Objects. EPJ Web of Conferences, 2017, 152, 01025.	0.3	0
74	The <i>Gaia</i>-ESO survey: the inner disk intermediate-age open cluster NGC 6802. Astronomy and Astrophysics, 2017, 601, A56.	5.1	16
75	The <i>Gaia</i>-ESO Survey: dynamics of ionized and neutral gas in the Lagoon nebula (Mâ€™8). Astronomy and Astrophysics, 2017, 604, A135.	5.1	12
76	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
77	Searching for faint comoving companions to the Î±â€™Centauri system in the VV survey infrared images. Monthly Notices of the Royal Astronomical Society, 2017, 472, 3952-3958.	4.4	22
78	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.	5.1	84
79	The <i>Gaia</i>-ESO Survey: double-, triple-, and quadruple-line spectroscopic binary candidates. Astronomy and Astrophysics, 2017, 608, A95.	5.1	45
80	The <i>Gaia</i>-ESO Survey: A lithium-rotation connection at 5 Myr?. Astronomy and Astrophysics, 2016, 590, A78.	5.1	46
81	Near-infrared photometry of WISE J085510.74â€™071442.5. Astronomy and Astrophysics, 2016, 592, A80.	5.1	13
82	The <i>Gaia</i>-ESO Survey: Sodium and aluminium abundances in giants and dwarfs. Astronomy and Astrophysics, 2016, 589, A115.	5.1	55
83	A submillimetre search for pre- and proto-brown dwarfs in Chamaeleon II. Astronomy and Astrophysics, 2016, 590, A79.	5.1	8
84	Azimuthal asymmetries in the debris disk around HDâ€™61005. Astronomy and Astrophysics, 2016, 591, A108.	5.1	70
85	Incidence of debris discs around FGK stars in the solar neighbourhood. Astronomy and Astrophysics, 2016, 593, A51.	5.1	59
86	The crucial role of higher order multiplicity in wide binary formation: a case study using the Î²-Pictoris moving group. Monthly Notices of the Royal Astronomical Society, 2016, 459, 4499-4507.	4.4	30
87	Planet Formation Imager (PFI): science vision and key requirements. , 2016, , .		7
88	Exocomet signatures around the A-shell star <i>Ï†</i> Leonis?. Astronomy and Astrophysics, 2016, 594, L1.	5.1	27
89	Search for associations containing young stars (SACY). Astronomy and Astrophysics, 2016, 590, A13.	5.1	39
90	The bimodal initial mass function in the Orion nebula cloud. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1734-1744.	4.4	23

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91	The <i>Gaia</i> -ESO Survey: Dynamical analysis of the L1688 region in Ophiuchus. <i>Astronomy and Astrophysics</i> , 2016, 588, A123.	5.1	32
92	THE GAIA-ESO SURVEY: METAL-RICH BANANAS IN THE BULGE. <i>Astrophysical Journal Letters</i> , 2016, 824, L29.	8.3	18
93	Spectrophotometric characterization of high proper motion sources from <i>WISE</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 4054-4065.	4.4	3
94	The first pre-supersoft X-ray binary. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 1754-1763.	4.4	24
95	YSOVAR: MID-INFRARED VARIABILITY IN NGC 1333. <i>Astronomical Journal</i> , 2015, 150, 175.	4.7	34
96	A homogeneous analysis of disks around brown dwarfs. <i>Astronomy and Astrophysics</i> , 2015, 582, A22.	5.1	17
97	THE FIRST SCIENCE RESULTS FROM SPHERE: DISPROVING THE PREDICTED BROWN DWARF AROUND V471 TAU. <i>Astrophysical Journal Letters</i> , 2015, 800, L24.	8.3	41
98	Gaia-ESO Survey: Analysis of pre-main sequence stellar spectra. <i>Astronomy and Astrophysics</i> , 2015, 576, A80.	5.1	35
99	The <i>Gaia</i> -ESO Survey: characterisation of the $[\alpha/\text{Fe}]$ sequences in the Milky Way discs. <i>Astronomy and Astrophysics</i> , 2015, 582, A122.	5.1	60
100	The <i>Gaia</i> -ESO Survey: Chromospheric emission, accretion properties, and rotation in β^3 Velorum and Chamaeleon I. <i>Astronomy and Astrophysics</i> , 2015, 575, A4.	5.1	69
101	The <i>Gaia</i> -ESO survey: Discovery of a spatially extended low-mass population in the Vela OB2 association. <i>Astronomy and Astrophysics</i> , 2015, 574, L7.	5.1	48
102	The Gaia-ESO Survey: a quiescent Milky Way with no significant dark/stellar accreted disc... <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 2874-2887.	4.4	52
103	FIRST DETECTION OF THERMAL RADIOJETS IN A SAMPLE OF PROTO-BROWN DWARF CANDIDATES. <i>Astrophysical Journal</i> , 2015, 807, 55.	4.5	38
104	Search for associations containing young stars (SACY). <i>Astronomy and Astrophysics</i> , 2015, 580, A88.	5.1	37
105	The <i>Gaia</i> -ESO Survey: Empirical determination of the precision of stellar radial velocities and projected rotation velocities. <i>Astronomy and Astrophysics</i> , 2015, 580, A75.	5.1	36
106	YOUNG STELLAR OBJECT VARIABILITY (YSOVAR): LONG TIMESCALE VARIATIONS IN THE MID-INFRARED. <i>Astronomical Journal</i> , 2014, 148, 92.	4.7	75
107	YSOVAR: MID-INFRARED VARIABILITY IN THE STAR-FORMING REGION LYND 1688. <i>Astronomical Journal</i> , 2014, 148, 122.	4.7	37
108	WTS-2 b: a hot Jupiter orbiting near its tidal destruction radius around a K dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 1470-1489.	4.4	63

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109	DEEP <i>z</i> -BAND OBSERVATIONS OF THE COOLEST Y DWARF. <i>Astrophysical Journal</i> , 2014, 797, 3.	4.5	12
110	The <i>Gaia</i> -ESO Survey: The analysis of high-resolution UVES spectra of FGK-type stars. <i>Astronomy and Astrophysics</i> , 2014, 570, A122.	5.1	165
111	High-resolution spectroscopic atlas of M subdwarfs. Effective temperature and metallicity. <i>Astronomy and Astrophysics</i> , 2014, 564, A90.	5.1	44
112	Search for associations containing young stars (SACY). <i>Astronomy and Astrophysics</i> , 2014, 568, A26.	5.1	58
113	Temperature constraints on the coldest brown dwarf known: WISE 0855-0714. <i>Astronomy and Astrophysics</i> , 2014, 570, L8.	5.1	18
114	<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
115	DUst around NEarby Stars. The survey observational results. <i>Astronomy and Astrophysics</i> , 2013, 555, A11.	5.1	183
116	<i>Herschel</i> observations of the debris disc around HIP 92043. <i>Astronomy and Astrophysics</i> , 2013, 557, A58.	5.1	10
117	OTS44: Disk and accretion at the planetary border. <i>Astronomy and Astrophysics</i> , 2013, 558, L7.	5.1	34
118	Proper motions of young stars in Chamaeleon. <i>Astronomy and Astrophysics</i> , 2013, 556, A144.	5.1	13
119	Dynamical analysis of nearby clusters. <i>Astronomy and Astrophysics</i> , 2013, 554, A101.	5.1	69
120	Modelling the huge, <i>Herschel</i> -resolved debris ring around HD 207129. <i>Astronomy and Astrophysics</i> , 2012, 537, A110.	5.1	70
121	The first planet detected in the WTS: an inflated hot Jupiter in a 3.35 d orbit around a late F star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 1877-1890.	4.4	42
122	Spectroscopy of very low-mass stars and brown dwarfs in the Lambda Orionis star-forming region. <i>Astronomy and Astrophysics</i> , 2012, 547, A80.	5.1	47
123	A search for pre-substellar cores and proto-brown dwarf candidates in Taurus: multiwavelength analysis in the B213-L1495 clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 2778-2791.	4.4	37
124	Spectroscopy of very low mass stars and brown dwarfs in the Lambda Orionis star forming region. <i>Astronomy and Astrophysics</i> , 2011, 536, A63.	5.1	78
125	YSOVAR: THE FIRST SENSITIVE, WIDE-AREA, MID-INFRARED PHOTOMETRIC MONITORING OF THE ORION NEBULA CLUSTER. <i>Astrophysical Journal</i> , 2011, 733, 50.	4.5	199
126	<i>Herschel</i> -resolved far-infrared dust ring around HD207129. <i>Astronomy and Astrophysics</i> , 2011, 529, A117.	5.1	37

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127	<i>Herschel</i> discovery of a new class of cold, faint debris discs. <i>Astronomy and Astrophysics</i> , 2011, 536, L4.	5.1	35
128	Multi-wavelength study of the disk around the very low-mass star Par-Lup3-4. <i>Astronomy and Astrophysics</i> , 2010, 523, A42.	5.1	21
129	A <i>SPITZER</i> c2d LEGACY SURVEY TO IDENTIFY AND CHARACTERIZE DISKS WITH INNER DUST HOLES. <i>Astrophysical Journal</i> , 2010, 718, 1200-1223.	4.5	116
130	Cold DUst around NEarby Stars (DUNES). First results. <i>Astronomy and Astrophysics</i> , 2010, 518, L131.	5.1	52
131	A proto brown dwarf candidate in Taurus. <i>Astronomy and Astrophysics</i> , 2009, 508, 859-867.	5.1	23
132	A deep look into the core of young clusters. <i>Astronomy and Astrophysics</i> , 2009, 504, 199-209.	5.1	13
133	VOSA: virtual observatory SED analyzer. <i>Astronomy and Astrophysics</i> , 2008, 492, 277-287.	5.1	386
134	<i>Spitzer</i>: Accretion in Low-Mass Stars and Brown Dwarfs in the Orion Cluster. <i>Astrophysical Journal</i> , 2007, 664, 481-500.	4.5	48
135	The Gaia-ESO survey: Constraining evolutionary models and ages for young low mass stars with measurements of lithium depletion and rotation. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	10