Annie C Robin

List of Publications by Citations

77 papers	12,146 citations	36 h-index	85 g-index
85 ext. papers	14,037 ext. citations	4.9 avg, IF	4.77 L-index

#	Paper	IF	Citations
77	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. *Astrophysical Journal, Supplement Series*, **2015**, 219, 12	8	1504
76	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. *Astronomical Journal*, **2011**, 142, 72	4.9	1438
75	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. *Astrophysical Journal, Supplement Series*, **2011**, 193, 29	8	1063
74	THE NINTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY. *Astrophysical Journal, Supplement Series*, **2012**, 203, 21	8	1029
73	THE TENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT. *Astrophysical Journal, Supplement Series*, **2014**, 211, 17	8	760
72	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. *Astronomical Journal*, **2017**, 154, 28	4.9	733
71	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). *Astronomical Journal*, **2017**, 154, 94	4.9	713
70	The Fourteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the Extended Baryon Oscillation Spectroscopic Survey and from the Second Phase of the Apache Point Observatory Galactic Evolution Experiment. *Astrophysical Journal, Supplement Series*, **2018**, 235, 42	8	657
69	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. *Astrophysical Journal, Supplement Series*, **2020**, 249, 3	8	363
68	CHEMICAL CARTOGRAPHY WITH APOGEE: METALLICITY DISTRIBUTION FUNCTIONS AND THE CHEMICAL STRUCTURE OF THE MILKY WAY DISK. *Astrophysical Journal*, **2015**, 808, 132	4.7	360
67	ABUNDANCES, STELLAR PARAMETERS, AND SPECTRA FROM THE SDSS-III/APOGEE SURVEY. *Astronomical Journal*, **2015**, 150, 148	4.9	292
66	The 13th Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-IV Survey Mapping Nearby Galaxies at Apache Point Observatory. *Astrophysical Journal, Supplement Series*, **2017**, 233, 25	8	284
65	Weak Gravitational Lensing with COSMOS: Galaxy Selection and Shape Measurements. *Astrophysical Journal, Supplement Series*, **2007**, 172, 219-238	8	279
64	BANYAN. XI. The BANYAN Multivariate Bayesian Algorithm to Identify Members of Young Associations with 150 pc. *Astrophysical Journal*, **2018**, 856, 23	4.7	225
63	A dynamically young and perturbed Milky Way disk. *Nature*, **2018**, 561, 360-362	50.4	216
62	The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library. *Astrophysical Journal, Supplement Series*, **2019**, 240, 23	8	214
61	THE BULGE RADIAL VELOCITY ASSAY (BRAVA). II. COMPLETE SAMPLE AND DATA RELEASE. *Astronomical Journal*, **2012**, 143, 57	4.9	177

60	THE APOGEE RED-CLUMP CATALOG: PRECISE DISTANCES, VELOCITIES, AND HIGH-RESOLUTION ELEMENTAL ABUNDANCES OVER A LARGE AREA OF THE MILKY WAY'S DISK. *Astrophysical Journal*, **2014**, 790, 127	4.7	155
59	TRACING CHEMICAL EVOLUTION OVER THE EXTENT OF THE MILKY WAY'S DISK WITH APOGEE RED CLUMP STARS. *Astrophysical Journal*, **2014**, 796, 38	4.7	149
58	MOA-2011-BLG-262Lb: A SUB-EARTH-MASS MOON ORBITING A GAS GIANT PRIMARY OR A HIGH VELOCITY PLANETARY SYSTEM IN THE GALACTIC BULGE. *Astrophysical Journal*, **2014**, 785, 155	4.7	125
57	Chemical tagging with APOGEE: discovery of a large population of N-rich stars in the inner Galaxy. *Monthly Notices of the Royal Astronomical Society*, **2017**, 465, 501-524	4.3	114
56	KINEMATICS AT THE EDGE OF THE GALACTIC BULGE: EVIDENCE FOR CYLINDRICAL ROTATION. *Astrophysical Journal*, **2009**, 702, L153-L157	4.7	92
55	ExELS: an exoplanet legacy science proposal for the ESA Euclid mission□. Cold exoplanets. *Monthly Notices of the Royal Astronomical Society*, **2013**, 434, 2-22	4.3	89
54	Predictions of the WFIRST Microlensing Survey. I. Bound Planet Detection Rates. *Astrophysical Journal, Supplement Series*, **2019**, 241, 3	8	73
53	The edge of the Galactic disk. *Astrophysical Journal*, **1992**, 400, L25	4.7	63
52	Atypical Mg-poor Milky Way Field Stars with Globular Cluster Second-generation-like Chemical Patterns. *Astrophysical Journal Letters*, **2017**, 846, L2	7.9	54
51	THE APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT: FIRST DETECTION OF HIGH-VELOCITY MILKY WAY BAR STARS. *Astrophysical Journal Letters*, **2012**, 755, L25	7.9	53
50	Mass-losing Semiregular Variable Stars in Baade□ Windows. *Astrophysical Journal*, **2001**, 552, 289-308	4.7	49
49	DISCOVERY OF A METAL-POOR FIELD GIANT WITH A GLOBULAR CLUSTER SECOND-GENERATION ABUNDANCE PATTERN. *Astrophysical Journal*, **2016**, 833, 132	4.7	47
48	Loss of Mass and Stability of Galaxies in Modified Newtonian Dynamics. *Astrophysical Journal*, **2007**, 665, L101-L104	4.7	45
47	The Canada□rance Imaging Survey: First Results from the u-Band Component. *Astrophysical Journal*, **2017**, 848, 128	4.7	44
46	VERY METAL-POOR STARS IN THE OUTER GALACTIC BULGE FOUND BY THE APOGEE SURVEY. *Astrophysical Journal Letters*, **2013**, 767, L9	7.9	43
45	PLATO as it is: A legacy mission for Galactic archaeology. *Astronomische Nachrichten*, **2017**, 338, 644-661	0.7	41
44	Kinematics of the local disk from the RAVE survey and the Gaia first data release. *Astronomy and Astrophysics*, **2017**, 605, A1	5.1	40
43	Besan□on Galactic model analysis of MOA-II microlensing: evidence for a mass deficit in the inner bulge. *Monthly Notices of the Royal Astronomical Society*, **2016**, 456, 1666-1680	4.3	37

42	N-body simulation insights into the X-shaped bulge of the Milky Way: kinematics and distance to the Galactic Centre. *Monthly Notices of the Royal Astronomical Society*, **2014**, 438, 3275-3290	4.3	36
41	Synthetic microlensing maps of the Galactic bulge. *Monthly Notices of the Royal Astronomical Society*, **2009**, 396, 1202-1210	4.3	31
40	A parametric description of the 3D structure of the Galactic bar/bulge using the VVV survey. *Monthly Notices of the Royal Astronomical Society*, **2017**, 471, 4323-4344	4.3	30
39	The Bulge Metallicity Distribution from the APOGEE Survey. *Astrophysical Journal*, **2018**, 852, 91	4.7	29
38	ExELS: an exoplanet legacy science proposal for the ESA Euclid mission - II. Hot exoplanets and sub-stellar systems. *Monthly Notices of the Royal Astronomical Society*, **2014**, 445, 4137-4154	4.3	26
37	Optical spectroscopy of high proper motion stars: new M dwarfs within 10 pc and the closest pair of subdwarfs. *Monthly Notices of the Royal Astronomical Society*, **2006**, 373, 705-714	4.3	25
36	Predictions of the Nancy Grace Roman Space Telescope Galactic Exoplanet Survey. II. Free-floating Planet Detection Rates. *Astronomical Journal*, **2020**, 160, 123	4.9	25
35	The Besançon Model of Stellar Population Synthesis of the Galaxy. *Thirty Years of Astronomical Discovery With UKIRT*, **2012**, 171-180	0.3	24
34	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. *Astrophysical Journal, Supplement Series*, **2022**, 259, 35	8	24
33	Discovery of a New Stellar Subpopulation Residing in the (Inner) Stellar Halo of the Milky Way. *Astrophysical Journal Letters*, **2019**, 886, L8	7.9	22
32	The Stellar Content of the COSMOS Field as Derived from Morphological and SED-based Star/Galaxy Separation. *Astrophysical Journal, Supplement Series*, **2007**, 172, 545-559	8	21
31	The Metal-poor non-Sagittarius (?) Globular Cluster NGC 5053: Orbit and Mg, Al, and Si Abundances. *Astrophysical Journal*, **2018**, 855, 38	4.7	20
30	Stellar statistics along the ecliptic and the impact on the K2 mission concept. *International Journal of Astrobiology*, **2015**, 14, 165-172	1.4	19
29	Constraining the Galactic structure parameters with the XSTPS-GAC and SDSS photometric surveys. *Monthly Notices of the Royal Astronomical Society*, **2017**, 464, 2545-2556	4.3	18
28	A-type stars in the Canada–France Imaging Survey I. The stellar halo of the Milky Way traced to large radius by blue horizontal branch stars. *Monthly Notices of the Royal Astronomical Society*, **2018**, 481, 5223-5235	4.3	17
27	Chemical Mapping of the Milky Way with The Canada–France Imaging Survey: A Non-parametric Metallicity–Distance Decomposition of the Galaxy. *Astrophysical Journal*, **2017**, 848, 129	4.7	16
26	Kinematics and dynamics of Gaia red clump stars. *Astronomy and Astrophysics*, **2020**, 643, A75	5.1	13
25	Close encounters involving RAVE stars beyond the 47 Tucanae tidal radius. *Monthly Notices of the Royal Astronomical Society*, **2016**, 461, 1404-1412	4.3	12

24	Discovery of a nitrogen-enhanced mildly metal-poor binary system: Possible evidence for pollution from an extinct AGB star. *Astronomy and Astrophysics*, **2019**, 631, A97	5.1	12
23	Selection constraints on high-redshift quasar searches in the VISTA Kilo-degree Infrared Galaxy survey. *Monthly Notices of the Royal Astronomical Society*, **2012**, 419, 3354-3367	4.3	11
22	The tale of the Milky Way globular cluster NGC 6362 I. The orbit and its possible extended star debris features as revealed by Gaia DR2. *Monthly Notices of the Royal Astronomical Society*, **2019**, 489, 4565-4573	4.3	8
21	A Chemical and Kinematical Analysis of the Intermediate-age Open Cluster IC 166 from APOGEE and Gaia DR2. *Astronomical Journal*, **2018**, 156, 94	4.9	8
20	A stellar population synthesis model for the study of ultraviolet star counts of the Galaxy. *Astronomy and Astrophysics*, **2014**, 565, A33	5.1	7
19	Faint Star Counts in the Near-Infrared. *Publications of the Astronomical Society of the Pacific*, **2002**, 114, 761-765	5	3
18	Galactic evolution and star counts in the milky way. *Astrophysics and Space Science*, **1989**, 156, 9-18	1.6	3
17	First Estimate of the Thick Disc Mass Function. *Astrophysics and Space Science*, **2002**, 281, 115-118	1.6	2
16	MaBULS-2: high-precision microlensing modelling for the large-scale survey era. *Monthly Notices of the Royal Astronomical Society*, **2020**, 498, 2196-2218	4.3	2
15	The Blanco DECam bulge survey. I. The survey description and early results. *Monthly Notices of the Royal Astronomical Society*, **2020**, 499, 2340-2356	4.3	2
14	APOGEE-2 Discovery of a Large Population of Relatively High-metallicity Globular Cluster Debris. *Astrophysical Journal Letters*, **2021**, 918, L37	7.9	2
13	Study of the thick disc of the Milky Way from a population synthesis model. *Proceedings of the International Astronomical Union*, **2017**, 13, 347-348	0.1	1
12	GYES, A Multifibre Spectrograph for the CFHT. *EAS Publications Series*, **2010**, 45, 219-222	0.2	1
11	Modelling the Galaxy from survey data. *Proceedings of the International Astronomical Union*, **2007**, 3, 443-449	0.1	1
10	Synthesis of galactic stellar populations and expected constraints from infrared surveys. *Astrophysics and Space Science*, **1994**, 217, 163-168	1.6	1
9	Kinematics of the Milky Way disc from the RAVE survey combined with Gaia DR1. *Proceedings of the International Astronomical Union*, **2017**, 13, 120-123	0.1	
8	Can we really use chemical properties of red-giant stars as age indicators?. *Proceedings of the International Astronomical Union*, **2017**, 13, 325-326	0.1	
7	Preparing the Besançon Galaxy Model for the comparison with Gaia data.. *EAS Publications Series*, **2010**, 45, 303-308	0.2	

6	Dust and the art of Galactic map making. *Proceedings of the International Astronomical Union*, **2009**, 5, 782-782	0.1
5	The challenge raised by Gaia. *Proceedings of the International Astronomical Union*, **2009**, 5, 174-175	0.1
4	Outer bulge and in-plane bar of the milky way. *Astrophysics and Space Science*, **2003**, 284, 523-526	1.6
3	Kinematics of the Galactic Bulge from Radial Velocity and Proper Motion Optical Surveys. *Publications of the Astronomical Society of Australia*, **2004**, 21, 138-143	5.5
2	Stellar Population Synthesis and Star Counts to Constrain the Galactic Structure. *International Astronomical Union Colloquium*, **1984**, 78, 325-327	
1	Stellar Population Synthesis and Star Counts to Constrain the Galactic Structure. *Astrophysics and Space Science Library*, **1984**, 325-327	0.3