

# Annie C Robin

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. <i>Astrophysical Journal, Supplement Series</i> , <b>2022</b> , 259, 35	8	24
76	APOGEE-2 Discovery of a Large Population of Relatively High-metallicity Globular Cluster Debris. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 918, L37	7.9	2
75	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 249, 3	8	363
74	Predictions of the Nancy Grace Roman Space Telescope Galactic Exoplanet Survey. II. Free-floating Planet Detection Rates. <i>Astronomical Journal</i> , <b>2020</b> , 160, 123	4.9	25
73	Kinematics and dynamics of Gaia red clump stars. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 643, A75	5.1	13
72	MaBIS-2: high-precision microlensing modelling for the large-scale survey era. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 2196-2218	4.3	2
71	The Blanco DECam bulge survey. I. The survey description and early results. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 499, 2340-2356	4.3	2
70	The tale of the Milky Way globular cluster NGC 6362 II. The orbit and its possible extended star debris features as revealed by Gaia DR2. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 4565-4573	4.3	8
69	The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 240, 23	8	214
68	Predictions of the WFIRST Microlensing Survey. I. Bound Planet Detection Rates. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 241, 3	8	73
67	Discovery of a New Stellar Subpopulation Residing in the (Inner) Stellar Halo of the Milky Way. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 886, L8	7.9	22
66	Discovery of a nitrogen-enhanced mildly metal-poor binary system: Possible evidence for pollution from an extinct AGB star. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 631, A97	5.1	12
65	The Bulge Metallicity Distribution from the APOGEE Survey. <i>Astrophysical Journal</i> , <b>2018</b> , 852, 91	4.7	29
64	BANYAN. XI. The BANYAN II Multivariate Bayesian Algorithm to Identify Members of Young Associations with 150 pc. <i>Astrophysical Journal</i> , <b>2018</b> , 856, 23	4.7	225
63	The Metal-poor non-Sagittarius (?) Globular Cluster NGC 5053: Orbit and Mg, Al, and Si Abundances. <i>Astrophysical Journal</i> , <b>2018</b> , 855, 38	4.7	20
62	A Chemical and Kinematical Analysis of the Intermediate-age Open Cluster IC 166 from APOGEE and Gaia DR2. <i>Astronomical Journal</i> , <b>2018</b> , 156, 94	4.9	8
61	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. <i>Astrophysical Journal, Supplement Series</i> , <b>2018</b> , 235, 42	8	657

60	A-type stars in the Canada-Branche Imaging Survey I. The stellar halo of the Milky Way traced to large radius by blue horizontal branch stars. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 5223-5235	4.3	17
59	A dynamically young and perturbed Milky Way disk. <i>Nature</i> , <b>2018</b> , 561, 360-362	50.4	216
58	Chemical Mapping of the Milky Way with The Canada-Branche Imaging Survey: A Non-parametric Metallicity-Distance Decomposition of the Galaxy. <i>Astrophysical Journal</i> , <b>2017</b> , 848, 129	4.7	16
57	Kinematics of the Milky Way disc from the RAVE survey combined with Gaia DR1. <i>Proceedings of the International Astronomical Union</i> , <b>2017</b> , 13, 120-123	0.1	
56	Study of the thick disc of the Milky Way from a population synthesis model. <i>Proceedings of the International Astronomical Union</i> , <b>2017</b> , 13, 347-348	0.1	1
55	Can we really use chemical properties of red-giant stars as age indicators?. <i>Proceedings of the International Astronomical Union</i> , <b>2017</b> , 13, 325-326	0.1	
54	PLATO as it is: A legacy mission for Galactic archaeology. <i>Astronomische Nachrichten</i> , <b>2017</b> , 338, 644-661	0.7	41
53	Atypical Mg-poor Milky Way Field Stars with Globular Cluster Second-generation-like Chemical Patterns. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 846, L2	7.9	54
52	Kinematics of the local disk from the RAVE survey and the Gaia first data release. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 605, A1	5.1	40
51	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. <i>Astrophysical Journal, Supplement Series</i> , <b>2017</b> , 233, 25	8	284
50	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. <i>Astronomical Journal</i> , <b>2017</b> , 154, 28	4.9	733
49	Constraining the Galactic structure parameters with the XSTPS-GAC and SDSS photometric surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 464, 2545-2556	4.3	18
48	Chemical tagging with APOGEE: discovery of a large population of N-rich stars in the inner Galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 465, 501-524	4.3	114
47	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). <i>Astronomical Journal</i> , <b>2017</b> , 154, 94	4.9	713
46	The Canada-Branche Imaging Survey: First Results from the u-Band Component. <i>Astrophysical Journal</i> , <b>2017</b> , 848, 128	4.7	44
45	A parametric description of the 3D structure of the Galactic bar/bulge using the VVV survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 471, 4323-4344	4.3	30
44	Besann Galactic model analysis of MOA-II microlensing: evidence for a mass deficit in the inner bulge. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 456, 1666-1680	4.3	37
43	Close encounters involving RAVE stars beyond the 47 Tucanae tidal radius. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 461, 1404-1412	4.3	12

42	DISCOVERY OF A METAL-POOR FIELD GIANT WITH A GLOBULAR CLUSTER SECOND-GENERATION ABUNDANCE PATTERN. <i>Astrophysical Journal</i> , <b>2016</b> , 833, 132	4.7	47
41	CHEMICAL CARTOGRAPHY WITH APOGEE: METALLICITY DISTRIBUTION FUNCTIONS AND THE CHEMICAL STRUCTURE OF THE MILKY WAY DISK. <i>Astrophysical Journal</i> , <b>2015</b> , 808, 132	4.7	360
40	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , <b>2015</b> , 219, 12	8	1504
39	ABUNDANCES, STELLAR PARAMETERS, AND SPECTRA FROM THE SDSS-III/APOGEE SURVEY. <i>Astronomical Journal</i> , <b>2015</b> , 150, 148	4.9	292
38	Stellar statistics along the ecliptic and the impact on the K2 mission concept. <i>International Journal of Astrobiology</i> , <b>2015</b> , 14, 165-172	1.4	19
37	ExELS: an exoplanet legacy science proposal for the ESA Euclid mission - II. Hot exoplanets and sub-stellar systems. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 445, 4137-4154	4.3	26
36	THE TENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT. <i>Astrophysical Journal, Supplement Series</i> , <b>2014</b> , 211, 17	8	760
35	N-body simulation insights into the X-shaped bulge of the Milky Way: kinematics and distance to the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 438, 3275-3290	4.3	36
34	A stellar population synthesis model for the study of ultraviolet star counts of the Galaxy. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 565, A33	5.1	7
33	MOA-2011-BLG-262Lb: A SUB-EARTH-MASS MOON ORBITING A GAS GIANT PRIMARY OR A HIGH VELOCITY PLANETARY SYSTEM IN THE GALACTIC BULGE. <i>Astrophysical Journal</i> , <b>2014</b> , 785, 155	4.7	125
32	THE APOGEE RED-CLUMP CATALOG: PRECISE DISTANCES, VELOCITIES, AND HIGH-RESOLUTION ELEMENTAL ABUNDANCES OVER A LARGE AREA OF THE MILKY WAY'S DISK. <i>Astrophysical Journal</i> , <b>2014</b> , 790, 127	4.7	155
31	TRACING CHEMICAL EVOLUTION OVER THE EXTENT OF THE MILKY WAY'S DISK WITH APOGEE RED CLUMP STARS. <i>Astrophysical Journal</i> , <b>2014</b> , 796, 38	4.7	149
30	ExELS: an exoplanet legacy science proposal for the ESA Euclid mission <sup>III</sup> . Cold exoplanets. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 434, 2-22	4.3	89
29	VERY METAL-POOR STARS IN THE OUTER GALACTIC BULGE FOUND BY THE APOGEE SURVEY. <i>Astrophysical Journal Letters</i> , <b>2013</b> , 767, L9	7.9	43
28	THE NINTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY. <i>Astrophysical Journal, Supplement Series</i> , <b>2012</b> , 203, 21	8	1029
27	THE APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT: FIRST DETECTION OF HIGH-VELOCITY MILKY WAY BAR STARS. <i>Astrophysical Journal Letters</i> , <b>2012</b> , 755, L25	7.9	53
26	Selection constraints on high-redshift quasar searches in the VISTA Kilo-degree Infrared Galaxy survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 419, 3354-3367	4.3	11
25	THE BULGE RADIAL VELOCITY ASSAY (BRAVA). II. COMPLETE SAMPLE AND DATA RELEASE. <i>Astronomical Journal</i> , <b>2012</b> , 143, 57	4.9	177

24	The Besan�n Model of Stellar Population Synthesis of the Galaxy. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , <b>2012</b> , 171-180	0.3	24
23	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. <i>Astronomical Journal</i> , <b>2011</b> , 142, 72	4.9	1438
22	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , <b>2011</b> , 193, 29	8	1063
21	GYES, A Multifibre Spectrograph for the CFHT. <i>EAS Publications Series</i> , <b>2010</b> , 45, 219-222	0.2	1
20	Preparing the Besan�n Galaxy Model for the comparison with Gaia data.. <i>EAS Publications Series</i> , <b>2010</b> , 45, 303-308	0.2	
19	Synthetic microlensing maps of the Galactic bulge. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2009</b> , 396, 1202-1210	4.3	31
18	KINEMATICS AT THE EDGE OF THE GALACTIC BULGE: EVIDENCE FOR CYLINDRICAL ROTATION. <i>Astrophysical Journal</i> , <b>2009</b> , 702, L153-L157	4.7	92
17	Dust and the art of Galactic map making. <i>Proceedings of the International Astronomical Union</i> , <b>2009</b> , 5, 782-782	0.1	
16	The challenge raised by Gaia. <i>Proceedings of the International Astronomical Union</i> , <b>2009</b> , 5, 174-175	0.1	
15	Weak Gravitational Lensing with COSMOS: Galaxy Selection and Shape Measurements. <i>Astrophysical Journal, Supplement Series</i> , <b>2007</b> , 172, 219-238	8	279
14	The Stellar Content of the COSMOS Field as Derived from Morphological and SED-based Star/Galaxy Separation. <i>Astrophysical Journal, Supplement Series</i> , <b>2007</b> , 172, 545-559	8	21
13	Loss of Mass and Stability of Galaxies in Modified Newtonian Dynamics. <i>Astrophysical Journal</i> , <b>2007</b> , 665, L101-L104	4.7	45
12	Modelling the Galaxy from survey data. <i>Proceedings of the International Astronomical Union</i> , <b>2007</b> , 3, 443-449	0.1	1
11	Optical spectroscopy of high proper motion stars: new M dwarfs within 10 pc and the closest pair of subdwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2006</b> , 373, 705-714	4.3	25
10	Kinematics of the Galactic Bulge from Radial Velocity and Proper Motion Optical Surveys. <i>Publications of the Astronomical Society of Australia</i> , <b>2004</b> , 21, 138-143	5.5	
9	Outer bulge and in-plane bar of the milky way. <i>Astrophysics and Space Science</i> , <b>2003</b> , 284, 523-526	1.6	
8	First Estimate of the Thick Disc Mass Function. <i>Astrophysics and Space Science</i> , <b>2002</b> , 281, 115-118	1.6	2
7	Faint Star Counts in the Near-Infrared. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2002</b> , 114, 761-765	5	3

6	Mass-losing Semiregular Variable Stars in Baade's Windows. <i>Astrophysical Journal</i> , <b>2001</b> , 552, 289-308	4.7	49
5	Synthesis of galactic stellar populations and expected constraints from infrared surveys. <i>Astrophysics and Space Science</i> , <b>1994</b> , 217, 163-168	1.6	1
4	The edge of the Galactic disk. <i>Astrophysical Journal</i> , <b>1992</b> , 400, L25	4.7	63
3	Galactic evolution and star counts in the milky way. <i>Astrophysics and Space Science</i> , <b>1989</b> , 156, 9-18	1.6	3
2	Stellar Population Synthesis and Star Counts to Constrain the Galactic Structure. <i>International Astronomical Union Colloquium</i> , <b>1984</b> , 78, 325-327		
1	Stellar Population Synthesis and Star Counts to Constrain the Galactic Structure. <i>Astrophysics and Space Science Library</i> , <b>1984</b> , 325-327	0.3	