

Jeffrey Carlin

List of Publications by Citations

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77 papers	2,844 citations	26 h-index	52 g-index
79 ext. papers	3,609 ext. citations	4.5 avg, IF	4.74 L-index

#	Paper	IF	Citations
77	LSST: From Science Drivers to Reference Design and Anticipated Data Products. <i>Astrophysical Journal</i> , 2019 , 873, 111	4.7	814
76	LAMOST Experiment for Galactic Understanding and Exploration (LEGUE) The survey's science plan. <i>Research in Astronomy and Astrophysics</i> , 2012 , 12, 735-754	1.5	222
75	RINGS AND RADIAL WAVES IN THE DISK OF THE MILKY WAY. <i>Astrophysical Journal</i> , 2015 , 801, 105	4.7	160
74	SUBSTRUCTURE IN BULK VELOCITIES OF MILKY WAY DISK STARS. <i>Astrophysical Journal Letters</i> , 2013 , 777, L5	7.9	104
73	Exploring Halo Substructure with Giant Stars: The Dynamics and Metallicity of the Dwarf Spheroidal in Boötes. <i>Astrophysical Journal</i> , 2006 , 650, L51-L54	4.7	98
72	Stellar Streams and Clouds in the Galactic Halo. <i>Astrophysics and Space Science Library</i> , 2016 , 87-112	0.3	76
71	THE STELLAR KINEMATICS IN THE SOLAR NEIGHBORHOOD FROM LAMOST DATA. <i>Astrophysical Journal</i> , 2015 , 809, 145	4.7	64
70	THE K GIANT STARS FROM THE LAMOST SURVEY DATA. I. IDENTIFICATION, METALLICITY, AND DISTANCE. <i>Astrophysical Journal</i> , 2014 , 790, 110	4.7	61
69	FIRST RESULTS FROM THE MADCASH SURVEY: A FAINT DWARF GALAXY COMPANION TO THE LOW-MASS SPIRAL GALAXY NGC 2403 AT 3.2 MPC. <i>Astrophysical Journal Letters</i> , 2016 , 828, L5	7.9	55
68	KINEMATICS AND CHEMISTRY OF STARS ALONG THE SAGITTARIUS TRAILING TIDAL TAIL AND CONSTRAINTS ON THE MILKY WAY MASS DISTRIBUTION. <i>Astrophysical Journal</i> , 2012 , 744, 25	4.7	50
67	A Deeper Look at the New Milky Way Satellites: Sagittarius II, Reticulum II, Phoenix II, and Tucana III. <i>Astrophysical Journal</i> , 2018 , 863, 25	4.7	48
66	THE FIRST HYPERVELOCITY STAR FROM THE LAMOST SURVEY. <i>Astrophysical Journal Letters</i> , 2014 , 785, L23	7.9	47
65	The predicted luminous satellite populations around SMC- and LMC-mass galaxies Is a missing satellite problem around the LMC?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 472, 1060-1073	4.3	46
64	The Intrinsic Colors of RR Lyrae Variables: A Means to Determine Interstellar Reddening. <i>Publications of the Astronomical Society of the Pacific</i> , 2005 , 117, 721-725	5	42
63	Chandra Observations of Diffuse Gas and Luminous X-Ray Sources around the X-Ray Bright Elliptical Galaxy NGC 1600. <i>Astrophysical Journal</i> , 2004 , 617, 262-280	4.7	41
62	PROPER MOTIONS IN KAPTEYN SELECTED AREA 103: A PRELIMINARY ORBIT FOR THE VIRGO STELLAR STREAM. <i>Astrophysical Journal</i> , 2009 , 701, L29-L33	4.7	39
61	KINEMATICS AND METALLICITIES IN THE BOÖTES III STELLAR OVERDENSITY: A DISRUPTED DWARF GALAXY?. <i>Astrophysical Journal</i> , 2009 , 702, L9-L13	4.7	38

60	ON RINGS AND STREAMS IN THE GALACTIC ANTI-CENTER. <i>Astrophysical Journal</i> , 2012 , 757, 151	4.7	35
59	THE SHAPES OF MILKY WAY SATELLITES: LOOKING FOR SIGNATURES OF TIDAL STIRRING. <i>Astrophysical Journal</i> , 2012 , 751, 61	4.7	31
58	ESTIMATION OF DISTANCES TO STARS WITH STELLAR PARAMETERS FROM LAMOST. <i>Astronomical Journal</i> , 2015 , 150, 4	4.9	30
57	HUBBLE SPACE TELESCOPE PROPER MOTIONS ALONG THE SAGITTARIUS STREAM. I. OBSERVATIONS AND RESULTS FOR STARS IN FOUR FIELDS. <i>Astrophysical Journal</i> , 2015 , 803, 56	4.7	29
56	Fishing in Tidal Streams: New Radial Velocity and Proper Motion Constraints on the Orbit of the Anticenter Stream. <i>Astrophysical Journal</i> , 2008 , 689, L117-L120	4.7	29
55	Mapping the Tidal Destruction of the Hercules Dwarf: A Wide-field DECam Imaging Search for RR Lyrae Stars. <i>Astrophysical Journal</i> , 2018 , 852, 44	4.7	28
54	KINEMATIC DISCOVERY OF A STELLAR STREAM LOCATED IN PISCES. <i>Astrophysical Journal Letters</i> , 2013 , 765, L39	7.9	28
53	THE ORIGIN OF THE VIRGO STELLAR SUBSTRUCTURE. <i>Astrophysical Journal</i> , 2012 , 753, 145	4.7	28
52	Phase wrapping of epicyclic perturbations in the Wobbly Galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 933-945	4.3	27
51	Two Ultra-faint Milky Way Stellar Systems Discovered in Early Data from the DECam Local Volume Exploration Survey. <i>Astrophysical Journal</i> , 2020 , 890, 136	4.7	26
50	Discovery of Distant RR Lyrae Stars in the Milky Way Using DECam. <i>Astrophysical Journal</i> , 2018 , 855, 43	4.7	26
49	3D Asymmetrical motions of the Galactic outer disc with LAMOST K giant stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 477, 2858-2866	4.3	26
48	Deep Subaru Hyper Suprime-Cam Observations of Milky Way Satellites Columba I and Triangulum II. <i>Astronomical Journal</i> , 2017 , 154, 267	4.9	25
47	The site conditions of the Guo Shou Jing Telescope. <i>Research in Astronomy and Astrophysics</i> , 2012 , 12, 772-780	1.5	25
46	Identifying Sagittarius Stream Stars by Their APOGEE Chemical Abundance Signatures. <i>Astrophysical Journal</i> , 2019 , 872, 58	4.7	24
45	Chemical Abundances of Hydrostatic and Explosive Alpha-elements in Sagittarius Stream Stars. <i>Astrophysical Journal Letters</i> , 2018 , 859, L10	7.9	22
44	Mapping the Milky Way with LAMOST I: method and overview. <i>Research in Astronomy and Astrophysics</i> , 2017 , 17, 096	1.5	21
43	SELECTING M GIANTS WITH INFRARED PHOTOMETRY: DISTANCES, METALLICITIES, AND THE SAGITTARIUS STREAM. <i>Astrophysical Journal</i> , 2016 , 823, 59	4.7	21

42	A Deep Proper-Motion Survey in Kapteyn Selected Areas. I. Survey Description and First Results for Stars in the Tidal Tail of Sagittarius and in the Monoceros Ring. <i>Astronomical Journal</i> , 2006 , 132, 2082-2098	4.9	19
41	Serendipitous Discovery of RR Lyrae Stars in the Leo V Ultra-faint Galaxy. <i>Astrophysical Journal Letters</i> , 2017 , 845, L10	7.9	18
40	Mapping the Galactic disc with the LAMOST and Gaia red clump sample: II. 3D asymmetrical kinematics of mono-age populations in the disc between 6-14 kpc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 491, 2104-2118	4.3	18
39	Boötes III is a Disrupting Dwarf Galaxy Associated with the Styx Stellar Stream. <i>Astrophysical Journal</i> , 2018 , 865, 7	4.7	18
38	APPLICATION OF THE SEGUE STELLAR PARAMETER PIPELINE TO LAMOST STELLAR SPECTRA. <i>Astronomical Journal</i> , 2015 , 150, 187	4.9	17
37	Detecting the Sagittarius Stream with LAMOST DR4 M Giants and Gaia DR2. <i>Astrophysical Journal</i> , 2019 , 874, 138	4.7	16
36	Mapping the Milky Way with LAMOST III. The stellar halo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 473, 1244-1257	4.3	16
35	HUBBLE SPACE TELESCOPE PROPER MOTIONS OF INDIVIDUAL STARS IN STELLAR STREAMS: ORPHAN, SAGITTARIUS, LETHE, AND THE NEW PARALLEL STREAM. <i>Astrophysical Journal</i> , 2016 , 833, 235	4.7	15
34	UPDATE ON THE CETUS POLAR STREAM AND ITS PROGENITOR. <i>Astrophysical Journal</i> , 2013 , 776, 133	4.7	13
33	KINEMATICS IN KAPTEYN'S SELECTED AREA 76: ORBITAL MOTIONS WITHIN THE HIGHLY SUBSTRUCTURED ANTICENTER STREAM. <i>Astrophysical Journal</i> , 2010 , 725, 2290-2311	4.7	13
32	KINEMATICS OF STARS IN KAPTEYN SELECTED AREA 71: SAMPLING THE MONOCEROS AND SAGITTARIUS TIDAL STREAMS. <i>Astronomical Journal</i> , 2008 , 135, 2013-2023	4.9	13
31	A Map of the Local Velocity Substructure in the Milky Way Disk. <i>Astrophysical Journal</i> , 2017 , 847, 123	4.7	12
30	Mapping the Galactic Disk with the LAMOST and Gaia Red Clump Sample. III. A New Velocity Substructure and Time Stamps of the Galactic Disk Asymmetry in the Disk between 12 and 15 kpc. <i>Astrophysical Journal</i> , 2019 , 884, 135	4.7	12
29	Tidal Destruction in a Low-mass Galaxy Environment: The Discovery of Tidal Tails around DDO 44. <i>Astrophysical Journal</i> , 2019 , 886, 109	4.7	12
28	RED RUNAWAYS II: LOW-MASS HILLS STARS IN SDSS STRIPE 82. <i>Astrophysical Journal</i> , 2016 , 832, 10	4.7	11
27	Tracing Kinematic and Chemical Properties of Sagittarius Stream by K-Giants, M-Giants, and BHB stars. <i>Astrophysical Journal</i> , 2019 , 886, 154	4.7	11
26	Signatures of Tidal Disruption in Ultra-faint Dwarf Galaxies: A Combined HST, Gaia, and MMT/Hectochelle Study of Leo V. <i>Astrophysical Journal</i> , 2019 , 885, 53	4.7	10
25	Discovery of an Ultra-faint Stellar System near the Magellanic Clouds with the DECam Local Volume Exploration Survey. <i>Astrophysical Journal</i> , 2021 , 910, 18	4.7	10

24	Λ CDM predictions for the satellite population of M33. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 480, 1883-1897	4.3	10
23	The DECam Local Volume Exploration Survey: Overview and First Data Release. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 256, 2	8	10
22	Value-added Catalogs of M-type Stars in LAMOST DR5. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 244, 8	8	9
21	Mapping the Galactic Disk with the LAMOST and Gaia Red Clump Sample. VI. Evidence for the Long-lived Nonsteady Warp of Nongravitational Scenarios. <i>Astrophysical Journal</i> , 2020 , 897, 119	4.7	9
20	A MEGACAM SURVEY OF OUTER HALO SATELLITES. IV. TWO FOREGROUND POPULATIONS POSSIBLY ASSOCIATED WITH THE MONOCEROS SUBSTRUCTURE IN THE DIRECTION OF NGC 2419 AND KOPOSOV 2. <i>Astrophysical Journal</i> , 2015 , 805, 51	4.7	8
19	Discovery of an extended, halo-like stellar population around the Large Magellanic Cloud. <i>Proceedings of the International Astronomical Union</i> , 2008 , 4, 51-56	0.1	8
18	Hubble Space Telescope Observations of Two Faint Dwarf Satellites of Nearby LMC Analogs from MADCASH*. <i>Astrophysical Journal</i> , 2021 , 909, 211	4.7	8
17	Variability in the 2MASS calibration fields: a search for transient obscuration events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 441, 2691-2716	4.3	7
16	CHARACTERIZING THE SHARDS OF DISRUPTED MILKY WAY SATELLITES WITH LAMOST. <i>Astrophysical Journal</i> , 2016 , 822, 16	4.7	7
15	Hubble Space Telescope Imaging of Antlia B: Star Formation History and a New Tip of the Red Giant Branch Distance. <i>Astrophysical Journal</i> , 2020 , 888, 31	4.7	5
14	Hyper Wide Field Imaging of the Local Group Dwarf Irregular Galaxy IC 1613: An Extended Component of Metal-poor Stars. <i>Astrophysical Journal</i> , 2019 , 880, 104	4.7	4
13	An orbit fit to likely Hermus Stream stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 477, 2419-2430	4.3	3
12	Eridanus IV: an Ultra-faint Dwarf Galaxy Candidate Discovered in the DECam Local Volume Exploration Survey. <i>Astrophysical Journal Letters</i> , 2021 , 920, L44	7.9	3
11	Stellar Tidal Streams in External Galaxies. <i>Astrophysics and Space Science Library</i> , 2016 , 219-245	0.3	3
10	CENSUS OF BLUE STARS IN SDSS DR8. <i>Astrophysical Journal, Supplement Series</i> , 2014 , 215, 24	8	2
9	RR Lyrae Stars in the Newly Discovered Ultra-faint Dwarf Galaxy Centaurus I*. <i>Astronomical Journal</i> , 2021 , 162, 253	4.9	1
8	Low-metallicity globular clusters in the low-mass isolated spiral galaxy NGC 2403. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022 , 512, 802-810	4.3	1
7	DELVE-ing into the Jet: A Thin Stellar Stream on a Retrograde Orbit at 30 kpc. <i>Astronomical Journal</i> , 2022 , 163, 18	4.9	1

6	Exploring the Galactic Anticenter Substructure with LAMOST and Gaia DR2. <i>Astrophysical Journal</i> , 2021 , 910, 46	4.7	o
5	New Views From Galactoseismology: Rethinking the Galactic Disk-Halo Connection. <i>Proceedings of the International Astronomical Union</i> , 2017 , 13, 185-188	0.1	
4	The Stellar Age-Teff-Kinematical Asymmetry in the Solar Neighborhood from LAMOST. <i>Proceedings of the International Astronomical Union</i> , 2015 , 11, 354-355	0.1	
3	Preliminary proper motion analysis of the Carina dwarf spheroidal. <i>Proceedings of the International Astronomical Union</i> , 2007 , 3, 492-493	0.1	
2	New tidal debris nearby the Sagittarius leading tail from the LAMOST DR2 M giant stars. <i>Research in Astronomy and Astrophysics</i> , 2016 , 16, 008	1.5	
1	3D asymmetrical kinematics of mono-age populations from LAMOST and Gaia common red clump stars. <i>Proceedings of the International Astronomical Union</i> , 2019 , 14, 19-21	0.1	