

Beth Willman

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.

38
papers

2,808
citations

25
h-index

38
g-index

38
ext. papers

3,043
ext. citations

5.3
avg, IF

4.8
L-index

#	Paper	IF	Citations
38	Optimization of the Observing Cadence for the Rubin Observatory Legacy Survey of Space and Time: A Pioneering Process of Community-focused Experimental Design. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 258, 1	8	9
37	Eridanus II: A Fossil from Reionization with an Off-center Star Cluster. <i>Astrophysical Journal</i> , 2021 , 908, 18	4.7	12
36	Uncovering the orbit of the hercules dwarf galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 496, 1092-1104	4.3	5
35	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
34	The Elusive Distance Gradient in the Ultrafaint Dwarf Galaxy Hercules: A Combined Hubble Space Telescope and Gaia View. <i>Astrophysical Journal</i> , 2020 , 902, 106	4.7	1
33	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
32	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
31	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
30	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
29	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
28	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
27	An observer's guide to the (Local Group) dwarf galaxies: predictions for their own dwarf satellite populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 471, 4894-4909	4.3	26
26	The predicted luminous satellite populations around SMC- and LMC-mass galaxies: a missing satellite problem around the LMC?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 472, 1060-1073	4.3	46
25	Dynamical evidence for a strong tidal interaction between the Milky Way and its satellite, Leo V. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , stx067	4.3	24
24	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
23	DEEP IMAGING OF ERIDANUS II AND ITS LONE STAR CLUSTER. <i>Astrophysical Journal Letters</i> , 2016 , 824, L14	7.9	59
22	A COMPREHENSIVE ARCHIVAL SEARCH FOR COUNTERPARTS TO ULTRA-COMPACT HIGH-VELOCITY CLOUDS: FIVE LOCAL VOLUME DWARF GALAXIES. <i>Astrophysical Journal</i> , 2015 , 806, 95	4.7	34

21	AN ORPHAN NO LONGER? DETECTION OF THE SOUTHERN ORPHAN STREAM AND A CANDIDATE PROGENITOR. <i>Astrophysical Journal Letters</i> , 2015 , 812, L26	7.9	14
20	CHARTING UNEXPLORED DWARF GALAXY TERRITORY WITH RR LYRAE. <i>Astronomical Journal</i> , 2015 , 150, 160	4.9	25
19	ANTLIA B: A FAINT DWARF GALAXY MEMBER OF THE NGC 3109 ASSOCIATION. <i>Astrophysical Journal Letters</i> , 2015 , 812, L13	7.9	34
18	THE MOST DISTANT STARS IN THE MILKY WAY. <i>Astrophysical Journal Letters</i> , 2014 , 790, L5	7.9	17
17	TOO MANY, TOO FEW, OR JUST RIGHT? THE PREDICTED NUMBER AND DISTRIBUTION OF MILKY WAY DWARF GALAXIES. <i>Astrophysical Journal Letters</i> , 2014 , 795, L13	7.9	73
16	THE DEARTH OF NEUTRAL HYDROGEN IN GALACTIC DWARF SPHEROIDAL GALAXIES. <i>Astrophysical Journal Letters</i> , 2014 , 795, L5	7.9	96
15	HUNTING THE MOST DISTANT STARS IN THE MILKY WAY: METHODS AND INITIAL RESULTS. <i>Astronomical Journal</i> , 2014 , 147, 76	4.9	18
14	A SEARCH FOR RR LYRAE STARS IN SEGUE 2 AND SEGUE 3. <i>Astronomical Journal</i> , 2013 , 146, 94	4.9	30
13	STAR-GALAXY CLASSIFICATION IN MULTI-BAND OPTICAL IMAGING. <i>Astrophysical Journal</i> , 2012 , 760, 15	4.7	41
12	BARYONS MATTER: WHY LUMINOUS SATELLITE GALAXIES HAVE REDUCED CENTRAL MASSES. <i>Astrophysical Journal</i> , 2012 , 761, 71	4.7	260
11	TIDAL SIGNATURES IN THE FAINTEST MILKY WAY SATELLITES: THE DETAILED PROPERTIES OF LEO V, PISCES II, AND CANES VENATICI II. <i>Astrophysical Journal</i> , 2012 , 756, 79	4.7	76
10	A COMPLETE SPECTROSCOPIC SURVEY OF THE MILKY WAY SATELLITE SEGUE 1: THE DARKEST GALAXY. <i>Astrophysical Journal</i> , 2011 , 733, 46	4.7	215
9	WILLMAN 1A PROBABLE DWARF GALAXY WITH AN IRREGULAR KINEMATIC DISTRIBUTION. <i>Astronomical Journal</i> , 2011 , 142, 128	4.9	94
8	TURNING THE TIDES ON THE ULTRA-FAINT DWARF SPHEROIDAL GALAXIES: COMA BERENICES AND URSA MAJOR II. <i>Astronomical Journal</i> , 2010 , 140, 138-151	4.9	87
7	In Pursuit of the Least Luminous Galaxies. <i>Advances in Astronomy</i> , 2010 , 2010, 1-11	0.9	47
6	A DEEPER LOOK AT LEO IV: STAR FORMATION HISTORY AND EXTENDED STRUCTURE. <i>Astrophysical Journal</i> , 2010 , 718, 530-542	4.7	33
5	THE DUAL ORIGIN OF STELLAR HALOS. <i>Astrophysical Journal</i> , 2009 , 702, 1058-1067	4.7	237
4	THE STAR FORMATION HISTORY AND EXTENDED STRUCTURE OF THE HERCULES MILKY WAY SATELLITE. <i>Astrophysical Journal</i> , 2009 , 704, 898-914	4.7	67

- 3 Hundreds of Milky Way Satellites? Luminosity Bias in the Satellite Luminosity Function. *Astrophysical Journal*, **2008**, 688, 277-289 4.7 305
- 2 A New Milky Way Dwarf Galaxy in Ursa Major. *Astrophysical Journal*, **2005**, 626, L85-L88 4.7 364
- 1 A New Milky Way Companion: Unusual Globular Cluster or Extreme Dwarf Satellite?. *Astronomical Journal*, **2005**, 129, 2692-2700 4.9 272