

# Wendy L Freedman

## List of Publications by Year in descending order

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92  
papers

12,468  
citations

36203

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6152  
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#	ARTICLE	IF	CITATIONS
1	Astrophysical Distance Scale. IV. Preliminary Zero-point Calibration of the JAGB Method in the HST/WFC3-IR Broad J-band (F110W) Filter. <i>Astrophysical Journal</i> , 2022, 926, 153.	1.6	4
2	Current Challenges in Cepheid Distance Calibrations Using Gaia Early Data Release 3. <i>Astrophysical Journal</i> , 2022, 927, 8.	1.6	11
3	Distances to Local Group Galaxies via Population II, Stellar Distance Indicators. II. The Fornax Dwarf Spheroidal*. <i>Astrophysical Journal</i> , 2022, 929, 116.	1.6	4
4	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. <i>Journal of High Energy Astrophysics</i> , 2022, 34, 49-211.	2.4	350
5	The Astrophysical Distance Scale. V. A 2% Distance to the Local Group Spiral M33 via the JAGB Method, Tip of the Red Giant Branch, and Leavitt Law. <i>Astrophysical Journal</i> , 2022, 933, 201.	1.6	7
6	The Astrophysical Distance Scale. III. Distance to the Local Group Galaxy WLM Using Multiwavelength Observations of the Tip of the Red Giant Branch, Cepheids, and JAGB Stars. <i>Astrophysical Journal</i> , 2021, 907, 112.	1.6	13
7	The Carnegie Chicago Hubble Program X: Tip of the Red Giant Branch Distances to NGC 5643 and NGC 1404. <i>Astrophysical Journal</i> , 2021, 915, 34.	1.6	17
8	Measurements of the Hubble Constant: Tensions in Perspective*. <i>Astrophysical Journal</i> , 2021, 919, 16.	1.6	263
9	The Carnegieâ€“Chicago Hubble Program. IX. Calibration of the Tip of the Red Giant Branch Method in the Megamaser Host Galaxy, NGC 4258 (M106)*. <i>Astrophysical Journal</i> , 2021, 906, 125.	1.6	31
10	The Stellar Initial Mass Function and Population Properties of M89 from Optical and NIR Spectroscopy: Addressing Biases in Spectral Index Analysis*. <i>Astrophysical Journal</i> , 2021, 920, 93.	1.6	7
11	Stellar Population and Elemental Abundance Gradients of Early-type Galaxies*. <i>Astrophysical Journal</i> , 2021, 923, 65.	1.6	6
12	A Preliminary Calibration of the JAGB Method Using Gaia EDR3. <i>Astrophysical Journal</i> , 2021, 923, 157.	1.6	4
13	Calibration of the Tip of the Red Giant Branch. <i>Astrophysical Journal</i> , 2020, 891, 57.	1.6	235
14	Mathematical Underpinnings of the Multiwavelength Structure of the Tip of the Red Giant Branch. <i>Astronomical Journal</i> , 2020, 160, 170.	1.9	4
15	SN 2013aa and SN 2017cbv: Two Sibling Type Ia Supernovae in the Spiral Galaxy NGC 5643. <i>Astrophysical Journal</i> , 2020, 895, 118.	1.6	26
16	Astrophysical Distance Scale: The AGB J-band Method. I. Calibration and a First Application. <i>Astrophysical Journal</i> , 2020, 899, 66.	1.6	18
17	Astrophysical Distance Scale. II. Application of the JAGB Method: A Nearby Galaxy Sample. <i>Astrophysical Journal</i> , 2020, 899, 67.	1.6	15
18	Carnegie Supernova Project II: The Slowest Rising Type Ia Supernova LSQ14fmg and Clues to the Origin of Super-Chandrasekhar/03fg-like Events*. <i>Astrophysical Journal</i> , 2020, 900, 140.	1.6	24

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19	Carnegie Supernova Project: Classification of Type Ia Supernovae. <i>Astrophysical Journal</i> , 2020, 901, 154.	1.6	12
20	Measuring the Stellar Population Parameters of the Early-type Galaxy NGC 3923: The Challenging Measurement of the Initial Mass Function*. <i>Astrophysical Journal</i> , 2020, 902, 12.	1.6	5
21	The Carnegie Supernova Project-I: Correlation between Type Ia Supernovae and Their Host Galaxies from Optical to Near-infrared Bands*. <i>Astrophysical Journal</i> , 2020, 901, 143.	1.6	42
22	The Carnegie Chicago Hubble Program. VI. Tip of the Red Giant Branch Distances to M66 and M96 of the Leo I Group. <i>Astrophysical Journal</i> , 2019, 882, 150.	1.6	19
23	Standard Galactic field RR Lyrae II: a Gaia DR2 calibration of the period-metallicity relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4254-4270.	1.6	37
24	The Carnegie-Chicago Hubble Program. VII. The Distance to M101 via the Optical Tip of the Red Giant Branch Method*. <i>Astrophysical Journal</i> , 2019, 885, 141.	1.6	31
25	The Carnegie-Chicago Hubble Program. VIII. An Independent Determination of the Hubble Constant Based on the Tip of the Red Giant Branch*. <i>Astrophysical Journal</i> , 2019, 882, 34.	1.6	510
26	Carnegie Supernova Project-II: Extending the Near-infrared Hubble Diagram for Type Ia Supernovae to $z \lesssim 0.1$ . <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 014001.	1.0	56
27	Carnegie Supernova Project-II: The Near-infrared Spectroscopy Program. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 014002.	1.0	55
28	The Carnegie Chicago Hubble Program. III. The Distance to NGC 1365 via the Tip of the Red Giant Branch*. <i>Astrophysical Journal</i> , 2018, 852, 60.	1.6	43
29	The Near-infrared Tip of the Red Giant Branch. II. An Absolute Calibration in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2018, 858, 12.	1.6	29
30	The Near-infrared Tip of the Red Giant Branch. I. A Calibration in the Isolated Dwarf Galaxy IC 1613. <i>Astrophysical Journal</i> , 2018, 858, 11.	1.6	23
31	The Carnegie Chicago Hubble Program. V. The Distances to NGC 1448 and NGC 1316 via the Tip of the Red Giant Branch*. <i>Astrophysical Journal</i> , 2018, 866, 145.	1.6	28
32	The Carnegie-Chicago Hubble Program: Calibration of the Near-infrared RR Lyrae Period-Luminosity Relation with HST. <i>Astrophysical Journal</i> , 2018, 869, 82.	1.6	5
33	The Carnegie Supernova Project: Absolute Calibration and the Hubble Constant. <i>Astrophysical Journal</i> , 2018, 869, 56.	1.6	122
34	SMHASH: anatomy of the Orphan Stream using RR Lyrae stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 570-587.	1.6	14
35	SN 2012fr: Ultraviolet, Optical, and Near-infrared Light Curves of a Type Ia Supernova Observed within a Day of Explosion*. <i>Astrophysical Journal</i> , 2018, 859, 24.	1.6	48
36	The Carnegie-Chicago Hubble Program. IV. The Distance to NGC 4424, NGC 4526, and NGC 4356 via the Tip of the Red Giant Branch*. <i>Astrophysical Journal</i> , 2018, 861, 104.	1.6	27

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37	The Carnegie RR Lyrae Program: mid-infrared period–luminosity relations of RR Lyrae stars in Reticulum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 4138-4153.	1.6	17
38	Standard Galactic Field RR Lyrae. I. Optical to Mid-infrared Phased Photometry. <i>Astronomical Journal</i> , 2017, 153, 96.	1.9	52
39	Cosmology at a crossroads. <i>Nature Astronomy</i> , 2017, 1, .	4.2	194
40	The Carnegie-Chicago Hubble Program. II. The Distance to IC 1613: The Tip of the Red Giant Branch and RR Lyrae Period–luminosity Relations*. <i>Astrophysical Journal</i> , 2017, 845, 146.	1.6	52
41	The Carnegie Supernova Project. I. Third Photometry Data Release of Low-redshift Type Ia Supernovae and Other White Dwarf Explosions. <i>Astronomical Journal</i> , 2017, 154, 211.	1.9	133
42	THE CARNEGIE-CHICAGO HUBBLE PROGRAM. I. AN INDEPENDENT APPROACH TO THE EXTRAGALACTIC DISTANCE SCALE USING ONLY POPULATION II DISTANCE INDICATORS*. <i>Astrophysical Journal</i> , 2016, 832, 210.	1.6	98
43	THE CARNEGIE HUBBLE PROGRAM: THE DISTANCE AND STRUCTURE OF THE SMC AS REVEALED BY MID-INFRARED OBSERVATIONS OF CEPHEIDS. <i>Astrophysical Journal</i> , 2016, 816, 49.	1.6	111
44	The Carnegie Chicago Hubble Program: the mid-infrared colours of Cepheids and the effect of metallicity on the CO band-head at 4.6 $\mu\text{m}$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 1170-1178.	1.6	20
45	THE CARNEGIE SUPERNOVA PROJECT: INTRINSIC COLORS OF TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2014, 789, 32.	1.6	181
46	A NEW CEPHEID DISTANCE MEASUREMENT AND METHOD FOR NGC 6822. <i>Astrophysical Journal</i> , 2014, 794, 107.	1.6	30
47	CALIBRATION OF THE MID-INFRARED TULLY-FISHER RELATION. <i>Astrophysical Journal</i> , 2013, 765, 94.	1.6	61
48	THE METALLICITY DEPENDENCE OF THE CEPHEID PERIOD–LUMINOSITY RELATION IN M101. <i>Astrophysical Journal</i> , 2013, 777, 79.	1.6	15
49	SPECTROSCOPY OF TYPE Ia SUPERNOVAE BY THE CARNEGIE SUPERNOVA PROJECT. <i>Astrophysical Journal</i> , 2013, 773, 53.	1.6	122
50	THE CARNEGIE HUBBLE PROGRAM: THE INFRARED LEAVITT LAW IN IC 1613. <i>Astrophysical Journal</i> , 2013, 773, 106.	1.6	27
51	ON THE SOURCE OF THE DUST EXTINCTION IN TYPE Ia SUPERNOVAE AND THE DISCOVERY OF ANOMALOUSLY STRONG Na I ABSORPTION. <i>Astrophysical Journal</i> , 2013, 779, 38.	1.6	202
52	THE CARNEGIE HUBBLE PROGRAM: THE LEAVITT LAW AT 3.6 AND 4.5 $\mu\text{m}$ IN THE MILKY WAY. <i>Astrophysical Journal</i> , 2012, 759, 146.	1.6	74
53	The Standardizability of Type Ia Supernovae in the Near-Infrared: Evidence for a Peak-Luminosity Versus Decline-Rate Relation in the Near-Infrared. <i>Publications of the Astronomical Society of the Pacific</i> , 2012, 124, 114-127.	1.0	61
54	CARNEGIE HUBBLE PROGRAM: A MID-INFRARED CALIBRATION OF THE HUBBLE CONSTANT. <i>Astrophysical Journal</i> , 2012, 758, 24.	1.6	356

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55	THE CARNEGIE HUBBLE PROGRAM: THE LEAVITT LAW AT 3.6 $\mu$ m AND 4.5 $\mu$ m IN THE LARGE MAGELLANIC CLOUD. <i>Astrophysical Journal</i> , 2011, 743, 76.	1.6	55
56	THE CARNEGIE SUPERNOVA PROJECT: LIGHT-CURVE FITTING WITH SNOOPy. <i>Astronomical Journal</i> , 2011, 141, 19.	1.9	218
57	THE CARNEGIE HUBBLE PROGRAM. <i>Astronomical Journal</i> , 2011, 142, 192.	1.9	52
58	THE CARNEGIE SUPERNOVA PROJECT: SECOND PHOTOMETRY DATA RELEASE OF LOW-REDSHIFT TYPE Ia SUPERNOVAE. <i>Astronomical Journal</i> , 2011, 142, 156.	1.9	220
59	A PHYSICALLY BASED METHOD FOR SCALING CEPHEID LIGHT CURVES FOR FUTURE DISTANCE DETERMINATIONS. <i>Astrophysical Journal</i> , 2010, 719, 335-340.	1.6	22
60	The Hubble Constant. <i>Annual Review of Astronomy and Astrophysics</i> , 2010, 48, 673-710.	8.1	306
61	THE DISTANCE TO NGC 1316 (FORNAX A) FROM OBSERVATIONS OF FOUR TYPE Ia SUPERNOVAE. <i>Astronomical Journal</i> , 2010, 140, 2036-2051.	1.9	71
62	SHARPENING THE TIP OF THE RED GIANT BRANCH. <i>Astrophysical Journal</i> , 2009, 690, 389-393.	1.6	64
63	THE CARNEGIE SUPERNOVA PROJECT: FIRST NEAR-INFRARED HUBBLE DIAGRAM TO $z < 0.7$ . <i>Astrophysical Journal</i> , 2009, 704, 1036-1058.	1.6	99
64	A NEW DISTANCE TO THE ANTENNAE GALAXIES (NGC 4038/39) BASED ON THE TYPE Ia SUPERNOVA 2007sr. <i>Astronomical Journal</i> , 2008, 136, 1482-1489.	1.9	98
65	Metallicity-corrected Tip of the Red Giant Branch Distance to NGC 4258. <i>Astrophysical Journal</i> , 2008, 689, 721-731.	1.6	49
66	The Cepheid Period-Luminosity Relation at Mid-Infrared Wavelengths. I. First-Epoch LMC Data. <i>Astrophysical Journal</i> , 2008, 679, 71-75.	1.6	37
67	Hubble Space Telescope Fine Guidance Sensor Parallaxes of Galactic Cepheid Variable Stars: Period-Luminosity Relations. <i>Astronomical Journal</i> , 2007, 133, 1810-1827.	1.9	295
68	New Cepheid Period-Luminosity Relations for the Large Magellanic Cloud: 92 Near-Infrared Light Curves. <i>Astronomical Journal</i> , 2004, 128, 2239-2264.	1.9	191
69	Colloquium: Measuring and understanding the universe. <i>Reviews of Modern Physics</i> , 2003, 75, 1433-1447.	16.4	182
70	The Cepheid Period-Luminosity Relation in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , Supplement Series, 2002, 142, 71-78.	3.0	35
71	Deviations from the Local Hubble Flow. I. The Tip of the Red Giant Branch as a Distance Indicator. <i>Astronomical Journal</i> , 2002, 124, 213-233.	1.9	158
72	Optical and Infrared Photometry of the Type I[a] Supernovae 1999da, 1999dk, 1999gp, 2000bk, and 2000ce. <i>Astronomical Journal</i> , 2001, 122, 1616-1631.	1.9	87

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73	A Revised Cepheid Distance to NGC 4258 and a Test of the Distance Scale. <i>Astrophysical Journal</i> , 2001, 553, 562-574.	1.6	49
74	Final Results from the Hubble Space Telescope Key Project to Measure the Hubble Constant. <i>Astrophysical Journal</i> , 2001, 553, 47-72.	1.6	2,797
75	The Hubble Space Telescope Key Project on the Extragalactic Distance Scale. XXVI. The Calibration of Population II Secondary Distance Indicators and the Value of the Hubble Constant. <i>Astrophysical Journal</i> , 2000, 529, 745-767.	1.6	219
76	The Hubble Space Telescope Key Project on the Extragalactic Distance Scale. XXV. A Recalibration of Cepheid Distances to Type Ia Supernovae and the Value of the Hubble Constant. <i>Astrophysical Journal</i> , 2000, 529, 723-744.	1.6	131
77	The Hubble Space Telescope Key Project on the Extragalactic Distance Scale. XXVIII. Combining the Constraints on the Hubble Constant. <i>Astrophysical Journal</i> , 2000, 529, 786-794.	1.6	513
78	The Hubble Space Telescope Key Project on the Extragalactic Distance Scale. XXVII. A Derivation of the Hubble Constant Using the Fundamental Plane and documentclass{aastex} usepackage{amsbsy} usepackage{amsfonts} usepackage{amssymb} usepackage{bm} usepackage{mathrsfs} usepackage{pifont} usepackage{stmaryrd} usepackage{textcomp} usepackage{portland,xspace} usepackage{amsmath,amsxtra} usepackage[OT2,OT1]{fontenc} ewcommandcyr{enewcommandmdefault{wncy} enewcommandsfdefault{wncyss} enewc. <i>Astrophysical Journal</i>	1.6	70
79	The Hubble Space Telescope Key Project on the Extragalactic Distance Scale. XV. A Cepheid Distance to the Fornax Cluster and Its Implications. <i>Astrophysical Journal</i> , 1999, 515, 29-41.	1.6	85
80	The Extragalactic Distance Scale Key Project. XVI. Cepheid Variables in an Inner Field of M101. <i>Astrophysical Journal</i> , 1998, 508, 491-517.	1.6	102
81	The Hubble Space Telescope Key Project on the Extragalactic Distance Scale. XIII. The Metallicity Dependence of the Cepheid Distance Scale. <i>Astrophysical Journal</i> , 1998, 498, 181-194.	1.6	255
82	Hipparcos Parallaxes and the Cepheid Distance Scale. <i>Astrophysical Journal</i> , 1998, 492, 110-115.	1.6	88
83	The Extragalactic Distance Scale Key Project. V. Photometry of the Brightest Stars in M100 and the Calibration of WFPC2. <i>Astrophysical Journal</i> , 1998, 496, 648-660.	1.6	58
84	Tip of the Red Giant Branch Distances to Galaxies. III. The Dwarf Galaxy Sextans A. <i>Astrophysical Journal</i> , 1996, 461, 713.	1.6	183
85	The tip of the red giant branch as a distance indicator for resolved galaxies. 2: Computer simulations. <i>Astronomical Journal</i> , 1995, 109, 1645.	1.9	138
86	The Tip of the Red Giant Branch as a Distance Indicator for Resolved Galaxies. <i>Astrophysical Journal</i> , 1993, 417, 553.	1.6	551
87	The Cepheid distance scale. <i>Publications of the Astronomical Society of the Pacific</i> , 1991, 103, 933.	1.0	364
88	New Cepheid distances to nearby galaxies based on BVRI CCD photometry. II - The local group galaxy M33. <i>Astrophysical Journal</i> , 1991, 372, 455.	1.6	208
89	An empirical test for the metallicity sensitivity of the Cepheid period-luminosity relation. <i>Astrophysical Journal</i> , 1990, 365, 186.	1.6	225
90	Stellar content of nearby galaxies. II - The Local Group dwarf elliptical galaxy M32. <i>Astronomical Journal</i> , 1989, 98, 1285.	1.9	39

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91	Stellar content of nearby galaxies. I - BVRI CCD photometry for IC 1613. <i>Astronomical Journal</i> , 1988, 96, 1248.	1.9	51
92	New Cepheid distances to nearby galaxies based on BVRI CCD photometry. I - IC 1613. <i>Astrophysical Journal</i> , 1988, 326, 691.	1.6	93