

# Wendy L Freedman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8823756/publications.pdf>

Version: 2024-02-01

92  
papers

12,468  
citations

36303

51  
h-index

38395

95  
g-index

95  
all docs

95  
docs citations

95  
times ranked

6152  
citing authors

#	ARTICLE	IF	CITATIONS
1	Final Results from the Hubble Space Telescope Key Project to Measure the Hubble Constant. <i>Astrophysical Journal</i> , 2001, 553, 47-72.	4.5	2,797
2	The Tip of the Red Giant Branch as a Distance Indicator for Resolved Galaxies. <i>Astrophysical Journal</i> , 1993, 417, 553.	4.5	551
3	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.	4.5	513
4	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.	4.5	510
5	The Cepheid distance scale. <i>Publications of the Astronomical Society of the Pacific</i> , 1991, 103, 933.	3.1	364
6	CARNEGIE HUBBLE PROGRAM: A MID-INFRARED CALIBRATION OF THE HUBBLE CONSTANT. <i>Astrophysical Journal</i> , 2012, 758, 24.	4.5	356
7	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.	6.7	350
8	The Hubble Constant. <i>Annual Review of Astronomy and Astrophysics</i> , 2010, 48, 673-710.	24.3	306
9	Hubble Space Telescope Fine Guidance Sensor Parallaxes of Galactic Cepheid Variable Stars: Period-Luminosity Relations. <i>Astronomical Journal</i> , 2007, 133, 1810-1827.	4.7	295
10	Measurements of the Hubble Constant: Tensions in Perspective*. <i>Astrophysical Journal</i> , 2021, 919, 16.	4.5	263
11	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.	4.5	255
12	Calibration of the Tip of the Red Giant Branch. <i>Astrophysical Journal</i> , 2020, 891, 57.	4.5	235
13	An empirical test for the metallicity sensitivity of the Cepheid period-luminosity relation. <i>Astrophysical Journal</i> , 1990, 365, 186.	4.5	225
14	THE CARNEGIE SUPERNOVA PROJECT: SECOND PHOTOMETRY DATA RELEASE OF LOW-REDSHIFT TYPE Ia SUPERNOVAE. <i>Astronomical Journal</i> , 2011, 142, 156.	4.7	220
15	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.	4.5	219
16	THE CARNEGIE SUPERNOVA PROJECT: LIGHT-CURVE FITTING WITH SNooPy. <i>Astronomical Journal</i> , 2011, 141, 19.	4.7	218
17	New Cepheid distances to nearby galaxies based on BVRI CCD photometry. II - The local group galaxy M33. <i>Astrophysical Journal</i> , 1991, 372, 455.	4.5	208
18	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.	4.5	202

#	ARTICLE	IF	CITATIONS
19	Cosmology at a crossroads. <i>Nature Astronomy</i> , 2017, 1, .	10.1	194
20	New Cepheid Period-Luminosity Relations for the Large Magellanic Cloud: 92 Near-Infrared Light Curves. <i>Astronomical Journal</i> , 2004, 128, 2239-2264.	4.7	191
21	Tip of the Red Giant Branch Distances to Galaxies. III. The Dwarf Galaxy Sextans A. <i>Astrophysical Journal</i> , 1996, 461, 713.	4.5	183
22	Colloquium: Measuring and understanding the universe. <i>Reviews of Modern Physics</i> , 2003, 75, 1433-1447.	45.6	182
23	THE CARNEGIE SUPERNOVA PROJECT: INTRINSIC COLORS OF TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2014, 789, 32.	4.5	181
24	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.	4.7	158
25	The tip of the red giant branch as a distance indicator for resolved galaxies. 2: Computer simulations. <i>Astronomical Journal</i> , 1995, 109, 1645.	4.7	138
26	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.	4.7	133
27	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.	4.5	131
28	SPECTROSCOPY OF TYPE Ia SUPERNOVAE BY THE CARNEGIE SUPERNOVA PROJECT. <i>Astrophysical Journal</i> , 2013, 773, 53.	4.5	122
29	The Carnegie Supernova Project: Absolute Calibration and the Hubble Constant. <i>Astrophysical Journal</i> , 2018, 869, 56.	4.5	122
30	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.	4.5	111
31	The Extragalactic Distance Scale Key Project. XVI. Cepheid Variables in an Inner Field of M101. <i>Astrophysical Journal</i> , 1998, 508, 491-517.	4.5	102
32	THE CARNEGIE SUPERNOVA PROJECT: FIRST NEAR-INFRARED HUBBLE DIAGRAM TO $z < 0.7$ . <i>Astrophysical Journal</i> , 2009, 704, 1036-1058.	4.5	99
33	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.	4.7	98
34	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.	4.5	98
35	New Cepheid distances to nearby galaxies based on BVRI CCD photometry. I - IC 1613. <i>Astrophysical Journal</i> , 1988, 326, 691.	4.5	93
36	Hipparcos Parallaxes and the Cepheid Distance Scale. <i>Astrophysical Journal</i> , 1998, 492, 110-115.	4.5	88

#	ARTICLE	IF	CITATIONS
37	Optical and Infrared Photometry of the Type I[CLC]a[/CLC] Supernovae 1999[CLC]da[/CLC], 1999[CLC]dk[/CLC], 1999[CLC]gp[/CLC], 2000[CLC]bk[/CLC], and 2000[CLC]ce[/CLC]. <i>Astronomical Journal</i> , 2001, 122, 1616-1631.	4.7	87
38	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.	4.5	85
39	THE CARNEGIE HUBBLE PROGRAM: THE LEAVITT LAW AT 3.6 AND 4.5 $\hat{1}/4$ m IN THE MILKY WAY. <i>Astrophysical Journal</i> , 2012, 759, 146.	4.5	74
40	THE DISTANCE TO NGC 1316 (FORNAX A) FROM OBSERVATIONS OF FOUR TYPE Ia SUPERNOVAE. <i>Astronomical Journal</i> , 2010, 140, 2036-2051.	4.7	71
41	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{enewcommand}mdefault{wncy} enewcommandsfdefault{wncyss} enewc. <i>Astrophysical Journal</i>	4.5	70
42	SHARPENING THE TIP OF THE RED GIANT BRANCH. <i>Astrophysical Journal</i> , 2009, 690, 389-393.	4.5	64
43	The Standardizability of Type $\hat{A}$ 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.	3.1	61
44	CALIBRATION OF THE MID-INFRARED TULLY-FISHER RELATION. <i>Astrophysical Journal</i> , 2013, 765, 94.	4.5	61
45	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.	4.5	58
46	Carnegie Supernova Project-II: Extending the Near-infrared Hubble Diagram for Type Ia Supernovae to $<i>z</i> \hat{a}^{1}/4$ 0.1. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 014001.	3.1	56
47	THE CARNEGIE HUBBLE PROGRAM: THE LEAVITT LAW AT 3.6 $\hat{1}/4$ m AND 4.5 $\hat{1}/4$ m IN THE LARGE MAGELLANIC CLOUD. <i>Astrophysical Journal</i> , 2011, 743, 76.	4.5	55
48	Carnegie Supernova Project-II: The Near-infrared Spectroscopy Program. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 014002.	3.1	55
49	THE CARNEGIE HUBBLE PROGRAM. <i>Astronomical Journal</i> , 2011, 142, 192.	4.7	52
50	Standard Galactic Field RR Lyrae. I. Optical to Mid-infrared Phased Photometry. <i>Astronomical Journal</i> , 2017, 153, 96.	4.7	52
51	The Carnegie-Chicago Hubble Program. II. The Distance to IC 1613: The Tip of the Red Giant Branch and RR Lyrae Period $\hat{a}$ luminosity Relations*. <i>Astrophysical Journal</i> , 2017, 845, 146.	4.5	52
52	Stellar content of nearby galaxies. I - BVRI CCD photometry for IC 1613. <i>Astronomical Journal</i> , 1988, 96, 1248.	4.7	51
53	A Revised Cepheid Distance to NGC 4258 and a Test of the Distance Scale. <i>Astrophysical Journal</i> , 2001, 553, 562-574.	4.5	49
54	Metallicity $\hat{a}$ corrected Tip of the Red Giant Branch Distance $\hat{a}$ NGC 4258. <i>Astrophysical Journal</i> , 2008, 689, 721-731.	4.5	49

#	ARTICLE	IF	CITATIONS
55	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.	4.5	48
56	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.	4.5	43
57	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.	4.5	42
58	Stellar content of nearby galaxies. II - The Local Group dwarf elliptical galaxy M32. <i>Astronomical Journal</i> , 1989, 98, 1285.	4.7	39
59	The Cepheid Period-Luminosity Relation at Mid-Infrared Wavelengths. I. First-Epoch LMC Data. <i>Astrophysical Journal</i> , 2008, 679, 71-75.	4.5	37
60	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.	4.4	37
61	The Cepheid Period-Luminosity Relation in the Large Magellanic Cloud. <i>Astrophysical Journal, Supplement Series</i> , 2002, 142, 71-78.	7.7	35
62	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.	4.5	31
63	The Carnegie-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.	4.5	31
64	A NEW CEPHEID DISTANCE MEASUREMENT AND METHOD FOR NGC 6822. <i>Astrophysical Journal</i> , 2014, 794, 107.	4.5	30
65	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.	4.5	29
66	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.	4.5	28
67	THE CARNEGIE HUBBLE PROGRAM: THE INFRARED LEAVITT LAW IN IC 1613. <i>Astrophysical Journal</i> , 2013, 773, 106.	4.5	27
68	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.	4.5	27
69	SN 2013aa and SN 2017cbv: Two Sibling Type Ia Supernovae in the Spiral Galaxy NGC 5643. <i>Astrophysical Journal</i> , 2020, 895, 118.	4.5	26
70	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.	4.5	24
71	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.	4.5	23
72	A PHYSICALLY BASED METHOD FOR SCALING CEPHEID LIGHT CURVES FOR FUTURE DISTANCE DETERMINATIONS. <i>Astrophysical Journal</i> , 2010, 719, 335-340.	4.5	22

#	ARTICLE	IF	CITATIONS
73	The Carnegie Chicago Hubble Program: the mid-infrared colours of Cepheids and the effect of metallicity on the CO band-head at 4.6 $\mu$ m. Monthly Notices of the Royal Astronomical Society, 2016, 459, 1170-1178.	4.4	20
74	The Carnegie Chicago Hubble Program. VI. Tip of the Red Giant Branch Distances to M66 and M96 of the Leo I Group. Astrophysical Journal, 2019, 882, 150.	4.5	19
75	Astrophysical Distance Scale: The AGB J-band Method. I. Calibration and a First Application. Astrophysical Journal, 2020, 899, 66.	4.5	18
76	The Carnegie RR Lyrae Program: mid-infrared period $\times$ luminosity relations of RR Lyrae stars in Reticulum. Monthly Notices of the Royal Astronomical Society, 2018, 480, 4138-4153.	4.4	17
77	The Carnegie Chicago Hubble Program X: Tip of the Red Giant Branch Distances to NGC 5643 and NGC 1404. Astrophysical Journal, 2021, 915, 34.	4.5	17
78	THE METALLICITY DEPENDENCE OF THE CEPHEID $\times$ RELATION IN M101. Astrophysical Journal, 2013, 777, 79.	4.5	15
79	Astrophysical Distance Scale. II. Application of the JAGB Method: A Nearby Galaxy Sample. Astrophysical Journal, 2020, 899, 67.	4.5	15
80	SMHASH: anatomy of the Orphan Stream using RR Lyrae stars. Monthly Notices of the Royal Astronomical Society, 2018, 479, 570-587.	4.4	14
81	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. Astrophysical Journal, 2021, 907, 112.	4.5	13
82	Carnegie Supernova Project: Classification of Type Ia Supernovae. Astrophysical Journal, 2020, 901, 154.	4.5	12
83	Current Challenges in Cepheid Distance Calibrations Using Gaia Early Data Release 3. Astrophysical Journal, 2022, 927, 8.	4.5	11
84	The Stellar Initial Mass Function and Population Properties of M89 from Optical and NIR Spectroscopy: Addressing Biases in Spectral Index Analysis*. Astrophysical Journal, 2021, 920, 93.	4.5	7
85	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. Astrophysical Journal, 2022, 933, 201.	4.5	7
86	Stellar Population and Elemental Abundance Gradients of Early-type Galaxies*. Astrophysical Journal, 2021, 923, 65.	4.5	6
87	The Carnegie-Chicago Hubble Program: Calibration of the Near-infrared RR Lyrae Period $\times$ Luminosity Relation with HST. Astrophysical Journal, 2018, 869, 82.	4.5	5
88	Measuring the Stellar Population Parameters of the Early-type Galaxy NGC 3923: The Challenging Measurement of the Initial Mass Function*. Astrophysical Journal, 2020, 902, 12.	4.5	5
89	Mathematical Underpinnings of the Multiwavelength Structure of the Tip of the Red Giant Branch. Astronomical Journal, 2020, 160, 170.	4.7	4
90	Astrophysical Distance Scale. IV. Preliminary Zero-point Calibration of the JAGB Method in the HST/WFC3-IR Broad J-band (F110W) Filter. Astrophysical Journal, 2022, 926, 153.	4.5	4

#	ARTICLE	IF	CITATIONS
91	A Preliminary Calibration of the JAGB Method Using Gaia EDR3. <i>Astrophysical Journal</i> , 2021, 923, 157.	4.5	4
92	Distances to Local Group Galaxies via Population II, Stellar Distance Indicators. II. The Fornax Dwarf Spheroidal*. <i>Astrophysical Journal</i> , 2022, 929, 116.	4.5	4