

Barry F Madore

List of Publications by Year in descending order

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71
papers

10,060
citations

94269

37
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72
all docs

72
docs citations

72
times ranked

6814
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.	1.6	2,797
2	Swope Supernova Survey 2017a (SSS17a), the optical counterpart to a gravitational wave source. <i>Science</i> , 2017, 358, 1556-1558.	6.0	811
3	The Tip of the Red Giant Branch as a Distance Indicator for Resolved Galaxies. <i>Astrophysical Journal</i> , 1993, 417, 553.	1.6	551
4	Light curves of the neutron star merger GW170817/SSS17a: Implications for r-process nucleosynthesis. <i>Science</i> , 2017, 358, 1570-1574.	6.0	517
5	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
6	CARNEGIE HUBBLE PROGRAM: A MID-INFRARED CALIBRATION OF THE HUBBLE CONSTANT. <i>Astrophysical Journal</i> , 2012, 758, 24.	1.6	356
7	Distance to the Virgo cluster galaxy M100 from Hubble Space Telescope observations of Cepheids. <i>Nature</i> , 1994, 371, 757-762.	13.7	302
8	THE CARNEGIE SUPERNOVA PROJECT: ANALYSIS OF THE FIRST SAMPLE OF LOW-REDSHIFT TYPE-Ia SUPERNOVAE. <i>Astronomical Journal</i> , 2010, 139, 120-144.	1.9	290
9	Early spectra of the gravitational wave source GW170817: Evolution of a neutron star merger. <i>Science</i> , 2017, 358, 1574-1578.	6.0	240
10	Calibration of the Tip of the Red Giant Branch. <i>Astrophysical Journal</i> , 2020, 891, 57.	1.6	235
11	The period-luminosity relation. IV - Intrinsic relations and reddenings for the Large Magellanic Cloud Cepheids. <i>Astrophysical Journal</i> , 1982, 253, 575.	1.6	221
12	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
13	Electromagnetic evidence that SSS17a is the result of a binary neutron star merger. <i>Science</i> , 2017, 358, 1583-1587.	6.0	203
14	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
15	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
16	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
17	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
18	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

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19	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
20	The Carnegie Supernova Project: Absolute Calibration and the Hubble Constant. <i>Astrophysical Journal</i> , 2018, 869, 56.	1.6	122
21	A Neutron Star Binary Merger Model for GW170817/GRB 170817A/SSS17a. <i>Astrophysical Journal Letters</i> , 2017, 848, L34.	3.0	101
22	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
23	Type II Supernova Spectral Diversity. I. Observations, Sample Characterization, and Spectral Line Evolution*. <i>Astrophysical Journal</i> , 2017, 850, 89.	1.6	87
24	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
25	ON THE DISTANCE OF THE GLOBULAR CLUSTER M4 (NGC 6121) USING RR LYRAE STARS. I. OPTICAL AND NEAR-INFRARED PERIOD-LUMINOSITY AND PERIOD-WESSENHEIT RELATIONS. <i>Astrophysical Journal</i> , 2015, 799, 165.	1.6	74
26	SHARPENING THE TIP OF THE RED GIANT BRANCH. <i>Astrophysical Journal</i> , 2009, 690, 389-393.	1.6	64
27	The Chemical Evolution Carousel of Spiral Galaxies: Azimuthal Variations of Oxygen Abundance in NGC1365. <i>Astrophysical Journal</i> , 2017, 846, 39.	1.6	60
28	Standard Galactic Field RR Lyrae. I. Optical to Mid-infrared Phased Photometry. <i>Astronomical Journal</i> , 2017, 153, 96.	1.9	52
29	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
30	Metallicity-corrected Tip of the Red Giant Branch Distance to NGC 4258. <i>Astrophysical Journal</i> , 2008, 689, 721-731.	1.6	49
31	ON THE RR LYRAE STARS IN GLOBULARS. IV. ω CENTAURI OPTICAL UBVR _I PHOTOMETRY*. <i>Astronomical Journal</i> , 2016, 152, 170.	1.9	47
32	The Hubble Space Telescope Key Project on the Extragalactic Distance Scale. XIV. The Cepheids in NGC 1365. <i>Astrophysical Journal</i> , 1999, 515, 1-28.	1.6	46
33	On a New Theoretical Framework for RR Lyrae Stars. II. Mid-infrared Period-Luminosity-Metallicity Relations. <i>Astrophysical Journal</i> , 2017, 841, 84.	1.6	43
34	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
35	A PRELIMINARY CALIBRATION OF THE RR LYRAE PERIOD-LUMINOSITY RELATION AT MID-INFRARED WAVELENGTHS: WISE DATA. <i>Astrophysical Journal</i> , 2013, 776, 135.	1.6	41
36	A Cepheid distance to the Fornax cluster and the local expansion rate of the Universe. <i>Nature</i> , 1998, 395, 47-50.	13.7	38

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37	On the RR Lyrae Stars in Globulars. V. The Complete Near-infrared (JHK _s) Census of 1% Centauri RR Lyrae Variables*. <i>Astronomical Journal</i> , 2018, 155, 137.	1.9	38
38	ON THE DISTANCE OF THE GLOBULAR CLUSTER M4 (NGC 6121) USING RR LYRAE STARS. II. MID-INFRARED PERIOD-LUMINOSITY RELATIONS. <i>Astrophysical Journal</i> , 2015, 808, 11.	1.6	37
39	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
40	New NIR light-curve templates for classical Cepheids. <i>Astronomy and Astrophysics</i> , 2015, 576, A30.	2.1	36
41	The Largest M Dwarf Flares from ASAS-SN. <i>Astrophysical Journal</i> , 2019, 876, 115.	1.6	36
42	The Unprecedented Properties of the First Electromagnetic Counterpart to a Gravitational-wave Source. <i>Astrophysical Journal Letters</i> , 2017, 848, L26.	3.0	31
43	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
44	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.	1.6	31
45	A NEW CEPHEID DISTANCE MEASUREMENT AND METHOD FOR NGC 6822. <i>Astrophysical Journal</i> , 2014, 794, 107.	1.6	30
46	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
47	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
48	THE CARNEGIE HUBBLE PROGRAM: THE INFRARED LEAVITT LAW IN IC 1613. <i>Astrophysical Journal</i> , 2013, 773, 106.	1.6	27
49	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
50	On a New Method to Estimate the Distance, Reddening, and Metallicity of RR Lyrae Stars Using Optical/Near-infrared (B, V, I, J, H, K) Mean Magnitudes: 1% Centauri as a First Test Case. <i>Astrophysical Journal</i> , 2019, 870, 115.	1.6	27
51	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
52	A PHYSICALLY BASED METHOD FOR SCALING CEPHEID LIGHT CURVES FOR FUTURE DISTANCE DETERMINATIONS. <i>Astrophysical Journal</i> , 2010, 719, 335-340.	1.6	22
53	ASASSN-15nx: A Luminous Type II Supernova with a Perfect Linear Decline. <i>Astrophysical Journal</i> , 2018, 862, 107.	1.6	20
54	A Method for Improving Galactic Cepheid Reddenings and Distances. <i>Astrophysical Journal</i> , 2017, 842, 42.	1.6	19

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55	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
56	Astrophysical Distance Scale: The AGB J-band Method. I. Calibration and a First Application. <i>Astrophysical Journal</i> , 2020, 899, 66.	1.6	18
57	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
58	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
59	Galaxy Structure in the Ultraviolet: The Dependence of Morphological Parameters on Rest-frame Wavelength. <i>Astrophysical Journal</i> , 2018, 864, 123.	1.6	16
60	Astrophysical Distance Scale. II. Application of the JAGB Method: A Nearby Galaxy Sample. <i>Astrophysical Journal</i> , 2020, 899, 67.	1.6	15
61	Metallicity, Ionization Parameter, and Pressure Variations of H II Regions in the TYPHOON Spiral Galaxies: NGC 1566, NGC 2835, NGC 3521, NGC 5068, NGC 5236, and NGC 7793. <i>Astrophysical Journal</i> , 2022, 929, 118.	1.6	15
62	New near-infrared <i>JHK</i> light-curve templates for RR Lyrae variables. <i>Astronomy and Astrophysics</i> , 2019, 625, A1.	2.1	13
63	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
64	Current Challenges in Cepheid Distance Calibrations Using Gaia Early Data Release 3. <i>Astrophysical Journal</i> , 2022, 927, 8.	1.6	11
65	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
66	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
67	Mathematical Underpinnings of the Multiwavelength Structure of the Tip of the Red Giant Branch. <i>Astronomical Journal</i> , 2020, 160, 170.	1.9	4
68	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
69	A Preliminary Calibration of the JAGB Method Using Gaia EDR3. <i>Astrophysical Journal</i> , 2021, 923, 157.	1.6	4
70	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
71	The variable star population of NGC 1866. <i>Symposium - International Astronomical Union</i> , 1991, 148, 384-385.	0.1	0