Daniel R Weisz

List of Publications by Year in descending order

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116 papers	7,397 citations	49 h-index	5	83 g-index
117 all docs	117 docs citations	117 times ranked		4783 citing authors

#	Article	IF	CITATIONS
1	THE ACS NEARBY GALAXY SURVEY TREASURY. Astrophysical Journal, Supplement Series, 2009, 183, 67-108.	7.7	435
2	COMPARISON OF HÎ \pm AND UV STAR FORMATION RATES IN THE LOCAL VOLUME: SYSTEMATIC DISCREPANCIES FOR DWARF GALAXIES. Astrophysical Journal, 2009, 706, 599-613.	4.5	428
3	THE STAR FORMATION HISTORIES OF LOCAL GROUP DWARF GALAXIES. I. <i>HUBBLE SPACE TELESCOPE </i> /WIDE FIELD PLANETARY CAMERA 2 OBSERVATIONS. Astrophysical Journal, 2014, 789, 147.	4.5	362
4	THE ACS NEARBY GALAXY SURVEY TREASURY. VIII. THE GLOBAL STAR FORMATION HISTORIES OF 60 DWARF GALAXIES IN THE LOCAL VOLUME. Astrophysical Journal, 2011, 739, 5.	4.5	295
5	THE ACS NEARBY GALAXY SURVEY TREASURY. IX. CONSTRAINING ASYMPTOTIC GIANT BRANCH EVOLUTION WITH OLD METAL-POOR GALAXIES. Astrophysical Journal, 2010, 724, 1030-1043.	4.5	293
6	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. Astrophysical Journal, Supplement Series, 2012, 200, 18.	7.7	269
7	fire in the field: simulating the threshold of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2017, 471, 3547-3562.	4.4	173
8	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. X. ULTRAVIOLET TO INFRARED PHOTOMETRY OF 117 MILLION EQUIDISTANT STARS. Astrophysical Journal, Supplement Series, 2014, 215, 9.	7.7	163
9	Leo A: A Late-blooming Survivor of the Epoch of Reionization in the Local Group. Astrophysical Journal, 2007, 659, L17-L20.	4.5	157
10	MODELING THE EFFECTS OF STAR FORMATION HISTORIES ON Hα AND ULTRAVIOLET FLUXES IN NEARBY DWARF GALAXIES. Astrophysical Journal, 2012, 744, 44.	4.5	156
11	THE NATURE OF STARBURSTS. I. THE STAR FORMATION HISTORIES OF EIGHTEEN NEARBY STARBURST DWARF GALAXIES. Astrophysical Journal, 2010, 721, 297-317.	4.5	148
12	THE STAR FORMATION HISTORIES OF LOCAL GROUP DWARF GALAXIES. II. SEARCHING FOR SIGNATURES OF REIONIZATION. Astrophysical Journal, 2014, 789, 148.	4. 5	135
13	Gas kinematics, morphology and angular momentum in the FIRE simulations. Monthly Notices of the Royal Astronomical Society, 2018, 473, 1930-1955.	4.4	131
14	THE NATURE OF STARBURSTS. II. THE DURATION OF STARBURSTS IN DWARF GALAXIES. Astrophysical Journal, 2010, 724, 49-58.	4.5	130
15	Revised Bolometric Corrections and Interstellar Extinction Coefficients for the ACS and WFPC2 Photometric Systems. Publications of the Astronomical Society of the Pacific, 2008, 120, 583-591.	3.1	121
16	The formation and hierarchical assembly of globular cluster populations. Monthly Notices of the Royal Astronomical Society, 2019, 482, 4528-4552.	4.4	107
17	THE ACS LCID PROJECT. V. THE STAR FORMATION HISTORY OF THE DWARF GALAXY LGS-3: CLUES TO COSMIC REIONIZATION AND FEEDBACK. Astrophysical Journal, 2011, 730, 14.	4.5	106
18	The Orbital Histories of Magellanic Satellites Using Gaia DR2 Proper Motions. Astrophysical Journal, 2020, 893, 121.	4.5	101

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19	RAPID ENVIRONMENTAL QUENCHING OF SATELLITE DWARF GALAXIES IN THE LOCAL GROUP. Astrophysical Journal Letters, 2015, 808, L27.	8.3	99
20	THE ACS LCID PROJECT: ON THE ORIGIN OF DWARF GALAXY TYPES—A MANIFESTATION OF THE HALO ASSEMBLY BIAS?. Astrophysical Journal Letters, 2015, 811, L18.	8.3	96
21	Where are the most ancient stars in the Milky Way?. Monthly Notices of the Royal Astronomical Society, 2018, 480, 652-668.	4.4	96
22	An Empirical Measurement of the Initial–Final Mass Relation with Gaia White Dwarfs. Astrophysical Journal Letters, 2018, 860, L17.	8.3	89
23	THE ADVANCED CAMERA FOR SURVEYS NEARBY GALAXY SURVEY TREASURY. V. RADIAL STAR FORMATION HISTORY OF NGC 300. Astrophysical Journal, 2010, 712, 858-874.	4.5	86
24	THE PANCHROMATIC <i>HUBBLE </i> ANDROMEDA TREASURY. XI. THE SPATIALLY RESOLVED RECENT STAR FORMATION HISTORY OF M31. Astrophysical Journal, 2015, 805, 183.	4.5	86
25	THE STAR FORMATION HISTORIES OF LOCAL GROUP DWARF GALAXIES. III. CHARACTERIZING QUENCHING IN LOW-MASS GALAXIES. Astrophysical Journal, 2015, 804, 136.	4.5	84
26	PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XVI. STAR CLUSTER FORMATION EFFICIENCY AND THE CLUSTERED FRACTION OF YOUNG STARS. Astrophysical Journal, 2016, 827, 33.	4.5	84
27	Discovery and characterization of 3000+ main-sequence binaries from APOGEE spectra. Monthly Notices of the Royal Astronomical Society, 2018, 476, 528-553.	4.4	82
28	Comparing the ancient star formation histories of the Magellanic Cloudsa˜ Monthly Notices of the Royal Astronomical Society, 2013, 431, 364-371.	4.4	78
29	Panchromatic Hubble Andromeda Treasury. XVIII. The High-mass Truncation of the Star Cluster Mass Function. Astrophysical Journal, 2017, 839, 78.	4.5	75
30	Delving Deeper into the Tumultuous Lives of Galactic Dwarfs: Modeling Star Formation Histories. Astrophysical Journal, 2008, 686, 1030-1044.	4.5	74
31	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. VIII. A WIDE-AREA, HIGH-RESOLUTION MAP OF DUST EXTINCTION IN M31. Astrophysical Journal, 2015, 814, 3.	4.5	72
32	PHAT. XIX. The Ancient Star Formation History of the M31 Disk. Astrophysical Journal, 2017, 846, 145.	4.5	69
33	A CLEAR AGE–VELOCITY DISPERSION CORRELATION IN ANDROMEDA'S STELLAR DISK. Astrophysical Journal 2015, 803, 24.	l _' 4.5	67
34	The ISLAndS Project. II. The Lifetime Star Formation Histories of Six Andromeda dSphs*. Astrophysical Journal, 2017, 837, 102.	4.5	65
35	THE ACS LCID PROJECT. X. THE STAR FORMATION HISTORY OF IC 1613: REVISITING THE OVER-COOLING PROBLEM. Astrophysical Journal, 2014, 786, 44.	4.5	64
36	The Local Group as a time machine: studying the high-redshift Universe with nearby galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 453, 1503-1512.	4.4	64

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37	PHAT STELLAR CLUSTER SURVEY. I. YEAR 1 CATALOG AND INTEGRATED PHOTOMETRY. Astrophysical Journal, 2012, 752, 95.	4.5	62
38	A Closer Look at Bursty Star Formation with L _{Hα} and L _{UV} Distributions. Astrophysical Journal, 2019, 881, 71.	4.5	62
39	PHAT STELLAR CLUSTER SURVEY. II. ANDROMEDA PROJECT CLUSTER CATALOG. Astrophysical Journal, 2015, 802, 127.	4.5	60
40	Signatures of unresolved binaries in stellar spectra: implications for spectral fitting. Monthly Notices of the Royal Astronomical Society, 2018, 473, 5043-5049.	4.4	59
41	THE ACS NEARBY GALAXY SURVEY TREASURY. I. THE STAR FORMATION HISTORY OF THE M81 OUTER DISK. Astronomical Journal, 2009, 137, 419-430.	4.7	57
42	THE HIGH-MASS STELLAR INITIAL MASS FUNCTION IN M31 CLUSTERS. Astrophysical Journal, 2015, 806, 198.	4. 5	57
43	DELAYED STAR FORMATION IN ISOLATED DWARF GALAXIES: <i> HUBBLE SPACE TELESCOPE < /i > STAR FORMATION HISTORY OF THE AQUARIUS DWARF IRREGULAR. Astrophysical Journal, 2014, 795, 54.</i>	4.5	56
44	CHEMISTRY AND KINEMATICS OF THE LATE-FORMING DWARF IRREGULAR GALAXIES LEO A, AQUARIUS, AND SAGITTARIUS DIG*. Astrophysical Journal, 2017, 834, 9.	4.5	55
45	The Aptly Named Phoenix Dwarf Galaxy. Astrophysical Journal, 2007, 659, 331-338.	4.5	50
46	THE VERY FAINT END OF THE UV LUMINOSITY FUNCTION OVER COSMIC TIME: CONSTRAINTS FROM THE LOCAL GROUP FOSSIL RECORD. Astrophysical Journal Letters, 2014, 794, L3.	8.3	50
47	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. V. AGES AND MASSES OF THE YEAR 1 STELLAR CLUSTERS. Astrophysical Journal, 2014, 786, 117.	4.5	50
48	Reignition of star formation in dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1176-1189.	4.4	50
49	OBSERVATIONAL CONSTRAINTS ON RED AND BLUE HELIUM BURNING SEQUENCES. Astrophysical Journal, 2011, 740, 48.	4.5	49
50	HOW TYPICAL ARE THE LOCAL GROUP DWARF GALAXIES?. Astrophysical Journal, 2011, 743, 8.	4.5	49
51	Evolution of supernovae-driven superbubbles with conduction and cooling. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1961-1990.	4.4	49
52	THE STAR FORMATION HISTORY OF LEO T FROM <i>HUBBLE SPACE TELESCOPE</i> HIMAGING. Astrophysical Journal, 2012, 748, 88.	4.5	49
53	No assembly required: mergers are mostly irrelevant for the growth of low-mass dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 479, 319-331.	4.4	48
54	THE ACS NEARBY GALAXY SURVEY TREASURY. X. QUANTIFYING THE STAR CLUSTER FORMATION EFFICIENCY OF NEARBY DWARF GALAXIES. Astrophysical Journal, 2012, 751, 100.	4.5	46

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55	MEASURING GALAXY STAR FORMATION RATES FROM INTEGRATED PHOTOMETRY: INSIGHTS FROM COLOR-MAGNITUDE DIAGRAMS OF RESOLVED STARS. Astrophysical Journal, 2013, 772, 8.	4.5	41
56	The Impact of Star Formation Histories on Stellar Mass Estimation: Implications from the Local Group Dwarf Galaxies. Astrophysical Journal, Supplement Series, 2017, 233, 13.	7.7	41
57	Local Group ultra-faint dwarf galaxies in the reionization era. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 469, L83-L88.	3.3	41
58	DOES STELLAR FEEDBACK CREATE H I HOLES? A <i>HUBBLE SPACE TELESCOPE</i> /VERY LARGE ARRAY STUDY OF HOLMBERG II. Astrophysical Journal, 2009, 704, 1538-1569.	4.5	40
59	THE FORMATION OF KILOPARSEC-SCALE H I HOLES IN DWARF GALAXIES. Astrophysical Journal, 2011, 738, 10.	4.5	40
60	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. I. BRIGHT UV STARS IN THE BULGE OF M31. Astrophysical Journal, 2012, 755, 131.	4.5	37
61	Gas kinematics in FIRE simulated galaxies compared to spatially unresolved H i observations. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1536-1548.	4.4	37
62	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XV. THE BEAST: BAYESIAN EXTINCTION AND STELLAR TOOL*. Astrophysical Journal, 2016, 826, 104.	4.5	36
63	COMPARING M31 AND MILKY WAY SATELLITES: THE EXTENDED STAR FORMATION HISTORIES OF ANDROMEDA II AND ANDROMEDA XVI. Astrophysical Journal, 2014, 789, 24.	4.5	35
64	STELLAR CLUSTERINGS AROUND "ISOLATED―MASSIVE YSOs IN THE LMC. Astrophysical Journal, 2017, 834, 94.	4.5	35
65	Stellar Feedback and Resolved Stellar IFU Spectroscopy in the Nearby Spiral Galaxy NGC 300. Astrophysical Journal, 2020, 891, 25.	4.5	35
66	A HUBBLE SPACE TELESCOPE STUDY OF THE ENIGMATIC MILKY WAY HALO GLOBULAR CLUSTER CRATER*. Astrophysical Journal, 2016, 822, 32.	4.5	34
67	A GLOBAL STAR-FORMING EPISODE IN M31 2–4 GYR AGO. Astrophysical Journal, 2015, 806, 48.	4.5	32
68	THE NATURE OF STARBURSTS. III. THE SPATIAL DISTRIBUTION OF STAR FORMATION. Astrophysical Journal, 2012, 759, 77.	4.5	30
69	Comparing the Quenching Times of Faint M31 and Milky Way Satellite Galaxies. Astrophysical Journal Letters, 2019, 885, L8.	8.3	30
70	The Panchromatic Hubble Andromeda Treasury: Triangulum Extended Region (PHATTER). I. Ultraviolet to Infrared Photometry of 22 Million Stars in M33. Astrophysical Journal, Supplement Series, 2021, 253, 53.	7.7	30
71	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. IV. A PROBABILISTIC APPROACH TO INFERRING THE HIGH-MASS STELLAR INITIAL MASS FUNCTION AND OTHER POWER-LAW FUNCTIONS. Astrophysical Journal, 2013, 762, 123.	4.5	29
72	The ISLAnds Project. III. Variable Stars in Six Andromeda Dwarf Spheroidal Galaxies*. Astrophysical Journal, 2017, 850, 137.	4.5	28

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73	THE ISLANDS PROJECT. I. ANDROMEDA XVI, AN EXTREMELY LOW MASS GALAXY NOT QUENCHED BY REIONIZATION*. Astrophysical Journal, 2016, 819, 147.	4.5	26
74	The statistical challenge of constraining the low-mass IMF in Local Group dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 468, 319-332.	4.4	26
75	A Complete Census of Luminous Stellar Variability on Day to Decade Timescales. Astrophysical Journal, 2018, 864, 111.	4.5	26
76	The Ionizing Photon Production Efficiency (ξ _{ion}) of Lensed Dwarf Galaxies at zÂâ^¼Â2*. Astrophysical Journal, 2020, 895, 116.	4. 5	26
77	Uncertain times: the redshift–time relation from cosmology and stars. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2764-2783.	4.4	26
78	A Rogues' Gallery of Andromeda's Dwarf Galaxies. I. A Predominance of Red Horizontal Branches. Astrophysical Journal, 2017, 850, 16.	4.5	24
79	HST IMAGING OF THE LOCAL VOLUME DWARF GALAXIES PISCES A AND B: PROTOTYPES FOR LOCAL GROUP DWARFS. Astrophysical Journal, 2016, 827, 89.	4.5	21
80	The Local Group: the ultimate deep field. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 462, L51-L55.	3.3	21
81	Star formation at the edge of the Local Group: a rising star formation history in the isolated galaxy WLM. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5538-5550.	4.4	21
82	Search for Surviving Companions of Progenitors of Young LMC SN Ia Remnants. Astrophysical Journal, 2019, 886, 99.	4.5	21
83	The impact of pre-supernova feedback and its dependence on environment. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5425-5448.	4.4	21
84	Mapping the Escape Fraction of Ionizing Photons Using Resolved Stars: A Much Higher Escape Fraction for NGC 4214. Astrophysical Journal, 2020, 902, 54.	4.5	21
85	The Small Magellanic Cloud Investigation of Dust and Gas Evolution (SMIDGE): The Dust Extinction Curve from Red Clump Stars. Astrophysical Journal, 2017, 847, 102.	4.5	20
86	A predicted correlation between age gradient and star formation history in FIRE dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1186-1201.	4.4	20
87	Andromeda XXI \hat{a} \in a dwarf galaxy in a low-density dark matter halo. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5686-5701.	4.4	20
88	Globular clusters in high-redshift dwarf galaxies: a case study from the Local Group. Monthly Notices of the Royal Astronomical Society, 2018, 477, 480-490.	4.4	19
89	A rogues gallery of Andromeda's dwarf galaxies – II. Precise distances to 17 faint satellites. Monthly Notices of the Royal Astronomical Society, 2019, 489, 763-770.	4.4	19
90	THE HISTORY OF STAR FORMATION IN GALAXY DISKS IN THE LOCAL VOLUME AS MEASURED BY THE ADVANCED CAMERA FOR SURVEYS NEARBY GALAXY SURVEY TREASURY. Astrophysical Journal Letters, 2011, 734, L22.	8.3	18

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91	A SPECTROSCOPIC AND PHOTOMETRIC EXPLORATION OF THE C/M RATIO IN THE DISK OF M31. Astrophysical Journal, 2015, 810, 60.	4.5	18
92	LAMOST J0140355Â+Â392651: an evolved cataclysmic variable donor transitioning to become an extremely low-mass white dwarf. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2051-2073.	4.4	18
93	DDO 216-A1: A Central Globular Cluster in a Low-luminosity Transition-type Galaxy ^{â^—} . Astrophysical Journal, 2017, 837, 54.	4.5	17
94	Push it to the limit: Local Group constraints on high-redshift stellar mass functions for <i>M</i> _{â<†} ≥ 10 ⁵ M _⊙ . Monthly Notices of the Royal Astron Society, 2016, 456, 477-484.	nomical	16
95	Kinematics of the Tucana Dwarf Galaxy: an unusually dense dwarf in the Local Group. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2010-2025.	4.4	16
96	THE ACS NEARBY GALAXY SURVEY TREASURY. VII. THE NGC 4214 STARBURST AND THE EFFECTS OF STAR FORMATION HISTORY ON DWARF MORPHOLOGY. Astrophysical Journal, 2011, 735, 22.	4.5	14
97	Nature of the Diffuse Source and Its Central Point-like Source in SNR 0509–67.5. Astrophysical Journal, 2017, 837, 111.	4.5	14
98	A New Approach to Convective Core Overshooting: Probabilistic Constraints from Color–Magnitude Diagrams of LMC Clusters. Astrophysical Journal, 2017, 841, 69.	4.5	13
99	Comparing <i>Chandra</i> and <i>Hubble</i> in the Northern Disk of M31. Astrophysical Journal, Supplement Series, 2018, 239, 13.	7.7	13
100	The Panchromatic Hubble Andromeda Treasury: Triangulum Extended Region (PHATTER). III. The Mass Function of Young Stellar Clusters in M33. Astrophysical Journal, 2022, 928, 15.	4.5	13
101	Hubble Space Telescope Imaging of Antlia B: Star Formation History and a New Tip of the Red Giant Branch Distance. Astrophysical Journal, 2020, 888, 31.	4.5	12
102	Forecasting Chemical Abundance Precision for Extragalactic Stellar Archaeology. Astrophysical Journal, Supplement Series, 2020, 249, 24.	7.7	12
103	RR Lyrae-based Distances for 39 Nearby Dwarf Galaxies Calibrated to Gaia eDR3. Astrophysical Journal, 2022, 932, 19.	4.5	12
104	Testing the Relationship between Bursty Star Formation and Size Fluctuations of Local Dwarf Galaxies. Astrophysical Journal, 2021, 922, 217.	4.5	11
105	TIMESCALES ON WHICH STAR FORMATION AFFECTS THE NEUTRAL INTERSTELLAR MEDIUM. Astrophysical Journal, 2013, 772, 124.	4.5	10
106	THE ACS LCID PROJECT. XI. ON THE EARLY TIME RESOLUTION OF SFHs OF LOCAL GROUP DWARF GALAXIES: COMPARING THE EFFECTS OF REIONIZATION IN MODELS WITH OBSERVATIONS*. Astrophysical Journal, 2016, 823, 9.	4.5	10
107	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XVII. EXAMINING OBSCURED STAR FORMATION WITH SYNTHETIC ULTRAVIOLET FLUX MAPS IN M31*. Astrophysical Journal, 2017, 834, 70.	4.5	10
108	Towards studying hierarchical assembly in real time: a Milky Way progenitor galaxy at $\langle i \rangle z \langle i \rangle \hat{A} = \hat{A}2.36$ under the microscope. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5653-5661.	4.4	8

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109	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. VI. THE RELIABILITY OF FAR-ULTRAVIOLET FLUX AS A STAR FORMATION TRACER ON SUBKILOPARSEC SCALES. Astrophysical Journal, 2014, 788, 12.	4.5	7
110	Three-dimensional Structure and Dust Extinction in the Small Magellanic Cloud. Astrophysical Journal, 2021, 907, 50.	4.5	7
111	PHAT XX. AGB Stars and Other Cool Giants in M31 Star Clusters. Astrophysical Journal, 2020, 901, 19.	4.5	7
112	Hubble Space Telescope Imaging of Isolated Local Volume Dwarfs GALFA Dw3 and Dw4. Astrophysical Journal, 2022, 924, 98.	4.5	7
113	Metallicity Distribution Function of the Eridanus II Ultra-faint Dwarf Galaxy from Hubble Space Telescope Narrowband Imaging. Astrophysical Journal, 2022, 925, 6.	4.5	6
114	The Spatially-Resolved Star Formation History of the M31 Disk from Resolved Stellar Populations. Proceedings of the International Astronomical Union, 2014, 10, 57-60.	0.0	1
115	The Recent Star Formation Histories of Nearby Galaxies. Proceedings of the International Astronomical Union, 2006, 2, .	0.0	0
116	Star formation history and the SED of galaxies: insights from resolved stars. Proceedings of the International Astronomical Union, 2011, 7, 59-62.	0.0	O