

Julianne J Dalcanton

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3000468/publications.pdf>

Version: 2024-02-01

110
papers

10,413
citations

50244

46
h-index

30894

102
g-index

111
all docs

111
docs citations

111
times ranked

6761
citing authors

#	ARTICLE	IF	CITATIONS
1	Sloan Digital Sky Survey: Early Data Release. <i>Astronomical Journal</i> , 2002, 123, 485-548.	1.9	2,003
2	The First Data Release of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2003, 126, 2081-2086.	1.9	800
3	A NEW GENERATION OF PARSEC-COLIBRI STELLAR ISOCHRONES INCLUDING THE TP-AGB PHASE. <i>Astrophysical Journal</i> , 2017, 835, 77.	1.6	684
4	THE ACS NEARBY GALAXY SURVEY TREASURY. <i>Astrophysical Journal</i> , Supplement Series, 2009, 183, 67-108.	3.0	435
5	COMPARISON OF $H\dot{I}\pm$ AND UV STAR FORMATION RATES IN THE LOCAL VOLUME: SYSTEMATIC DISCREPANCIES FOR DWARF GALAXIES. <i>Astrophysical Journal</i> , 2009, 706, 599-613.	1.6	428
6	THE STAR FORMATION HISTORIES OF LOCAL GROUP DWARF GALAXIES. I. <i>HUBBLE SPACE TELESCOPE</i> WIDE FIELD PLANETARY CAMERA 2 OBSERVATIONS. <i>Astrophysical Journal</i> , 2014, 789, 147.	1.6	362
7	THE ACS NEARBY GALAXY SURVEY TREASURY. VIII. THE GLOBAL STAR FORMATION HISTORIES OF 60 DWARF GALAXIES IN THE LOCAL VOLUME. <i>Astrophysical Journal</i> , 2011, 739, 5.	1.6	295
8	THE ACS NEARBY GALAXY SURVEY TREASURY. IX. CONSTRAINING ASYMPTOTIC GIANT BRANCH EVOLUTION WITH OLD METAL-POOR GALAXIES. <i>Astrophysical Journal</i> , 2010, 724, 1030-1043.	1.6	293
9	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. <i>Astrophysical Journal</i> , Supplement Series, 2012, 200, 18.	3.0	269
10	Nebular Continuum and Line Emission in Stellar Population Synthesis Models. <i>Astrophysical Journal</i> , 2017, 840, 44.	1.6	217
11	The Metallicity of Galaxy Disks: Infall versus Outflow. <i>Astrophysical Journal</i> , 2007, 658, 941-959.	1.6	202
12	A <i>GALEX</i> ULTRAVIOLET IMAGING SURVEY OF GALAXIES IN THE LOCAL VOLUME. <i>Astrophysical Journal</i> , Supplement Series, 2011, 192, 6.	3.0	190
13	Fast and inefficient star formation due to short-lived molecular clouds and rapid feedback. <i>Nature</i> , 2019, 569, 519-522.	13.7	178
14	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. X. ULTRAVIOLET TO INFRARED PHOTOMETRY OF 117 MILLION EQUIDISTANT STARS. <i>Astrophysical Journal</i> , Supplement Series, 2014, 215, 9.	3.0	163
15	The Number Density of Low-Surface Brightness Galaxies with $23 < \mu_0 < 25$ V Mag/arcsec ² . <i>Astronomical Journal</i> , 1997, 114, 635.	1.9	159
16	MODELING THE EFFECTS OF STAR FORMATION HISTORIES ON $H\dot{I}\pm$ AND ULTRAVIOLET FLUXES IN NEARBY DWARF GALAXIES. <i>Astrophysical Journal</i> , 2012, 744, 44.	1.6	156
17	THE NATURE OF STARBURSTS. I. THE STAR FORMATION HISTORIES OF EIGHTEEN NEARBY STARBURST DWARF GALAXIES. <i>Astrophysical Journal</i> , 2010, 721, 297-317.	1.6	148
18	THE STAR FORMATION HISTORIES OF LOCAL GROUP DWARF GALAXIES. II. SEARCHING FOR SIGNATURES OF REIONIZATION. <i>Astrophysical Journal</i> , 2014, 789, 148.	1.6	135

#	ARTICLE	IF	CITATIONS
19	THE NATURE OF STARBURSTS. II. THE DURATION OF STARBURSTS IN DWARF GALAXIES. <i>Astrophysical Journal</i> , 2010, 724, 49-58.	1.6	130
20	Constraining the thermally pulsing asymptotic giant branch phase with resolved stellar populations in the Small Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 5666-5692.	1.6	122
21	Revised Bolometric Corrections and Interstellar Extinction Coefficients for the ACS and WFPC2 Photometric Systems. <i>Publications of the Astronomical Society of the Pacific</i> , 2008, 120, 583-591.	1.0	121
22	THE DETECTION OF INSIDE-OUT DISK GROWTH IN M33. <i>Astrophysical Journal</i> , 2009, 695, L15-L19.	1.6	109
23	A Study of Edge-On Galaxies with the Hubble Space Telescope Advanced Camera for Surveys. II. Vertical Distribution of the Resolved Stellar Population. <i>Astronomical Journal</i> , 2005, 130, 1574-1592.	1.9	96
24	THE ADVANCED CAMERA FOR SURVEYS NEARBY GALAXY SURVEY TREASURY. V. RADIAL STAR FORMATION HISTORY OF NGC 300. <i>Astrophysical Journal</i> , 2010, 712, 858-874.	1.6	86
25	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XI. THE SPATIALLY RESOLVED RECENT STAR FORMATION HISTORY OF M31. <i>Astrophysical Journal</i> , 2015, 805, 183.	1.6	86
26	PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XVI. STAR CLUSTER FORMATION EFFICIENCY AND THE CLUSTERED FRACTION OF YOUNG STARS. <i>Astrophysical Journal</i> , 2016, 827, 33.	1.6	84
27	Comparing the ancient star formation histories of the Magellanic Clouds... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 364-371.	1.6	78
28	THE CONTRIBUTION OF TP-AGB AND RHeB STARS TO THE NEAR-IR LUMINOSITY OF LOCAL GALAXIES: IMPLICATIONS FOR STELLAR MASS MEASUREMENTS OF HIGH-REDSHIFT GALAXIES. <i>Astrophysical Journal</i> , 2012, 748, 47.	1.6	76
29	Panchromatic Hubble Andromeda Treasury. XVIII. The High-mass Truncation of the Star Cluster Mass Function. <i>Astrophysical Journal</i> , 2017, 839, 78.	1.6	75
30	Constraining the thermally pulsing asymptotic giant branch phase with resolved stellar populations in the Large Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3283-3301.	1.6	75
31	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. VIII. A WIDE-AREA, HIGH-RESOLUTION MAP OF DUST EXTINCTION IN M31. <i>Astrophysical Journal</i> , 2015, 814, 3.	1.6	72
32	PHAT. XIX. The Ancient Star Formation History of the M31 Disk. <i>Astrophysical Journal</i> , 2017, 846, 145.	1.6	69
33	EVOLUTION OF THERMALLY PULSING ASYMPTOTIC GIANT BRANCH STARS. IV. CONSTRAINING MASS LOSS AND LIFETIMES OF LOW MASS, LOW METALLICITY AGB STARS. <i>Astrophysical Journal</i> , 2014, 790, 22.	1.6	68
34	A CLEAR AGE-VELOCITY DISPERSION CORRELATION IN ANDROMEDA'S STELLAR DISK. <i>Astrophysical Journal</i> , 2015, 803, 24.	1.6	67
35	RESOLVED NEAR-INFRARED STELLAR POPULATIONS IN NEARBY GALAXIES. <i>Astrophysical Journal</i> , Supplement Series, 2012, 198, 6.	3.0	62
36	PHAT STELLAR CLUSTER SURVEY. I. YEAR 1 CATALOG AND INTEGRATED PHOTOMETRY. <i>Astrophysical Journal</i> , 2012, 752, 95.	1.6	62

#	ARTICLE	IF	CITATIONS
37	THE MILKY WAY TOMOGRAPHY WITH SLOAN DIGITAL SKY SURVEY. IV. DISSECTING DUST. <i>Astrophysical Journal</i> , 2012, 757, 166.	1.6	60
38	PHAT STELLAR CLUSTER SURVEY. II. ANDROMEDA PROJECT CLUSTER CATALOG. <i>Astrophysical Journal</i> , 2015, 802, 127.	1.6	60
39	EVOLUTION OF THERMALLY PULSING ASYMPTOTIC GIANT BRANCH STARS. V. CONSTRAINING THE MASS LOSS AND LIFETIMES OF INTERMEDIATE-MASS, LOW-METALLICITY AGB STARS*. <i>Astrophysical Journal</i> , 2016, 822, 73.	1.6	59
40	THE ACS NEARBY GALAXY SURVEY TREASURY. I. THE STAR FORMATION HISTORY OF THE M81 OUTER DISK. <i>Astronomical Journal</i> , 2009, 137, 419-430.	1.9	57
41	THE SUPERNOVA PROGENITOR MASS DISTRIBUTIONS OF M31 AND M33: FURTHER EVIDENCE FOR AN UPPER MASS LIMIT. <i>Astrophysical Journal</i> , 2014, 795, 170.	1.6	57
42	THE HIGH-MASS STELLAR INITIAL MASS FUNCTION IN M31 CLUSTERS. <i>Astrophysical Journal</i> , 2015, 806, 198.	1.6	57
43	THE NGC 300 TRANSIENT: AN ALTERNATIVE METHOD FOR MEASURING PROGENITOR MASSES. <i>Astrophysical Journal</i> , 2009, 703, 300-310.	1.6	50
44	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. V. AGES AND MASSES OF THE YEAR 1 STELLAR CLUSTERS. <i>Astrophysical Journal</i> , 2014, 786, 117.	1.6	50
45	A NEW APPROACH TO DETAILED STRUCTURAL DECOMPOSITION FROM THE SPLASH AND PHAT SURVEYS: KICKED-UP DISK STARS IN THE ANDROMEDA GALAXY?. <i>Astrophysical Journal</i> , 2013, 779, 103.	1.6	49
46	Stellar and Nebular Diagnostics in the Ultraviolet for Star-forming Galaxies. <i>Astrophysical Journal</i> , 2018, 863, 14.	1.6	49
47	SUPERNOVA REMNANT PROGENITOR MASSES IN M31. <i>Astrophysical Journal</i> , 2012, 761, 26.	1.6	46
48	THE ACS NEARBY GALAXY SURVEY TREASURY. X. QUANTIFYING THE STAR CLUSTER FORMATION EFFICIENCY OF NEARBY DWARF GALAXIES. <i>Astrophysical Journal</i> , 2012, 751, 100.	1.6	46
49	EXPLORING SYSTEMATIC EFFECTS IN THE RELATION BETWEEN STELLAR MASS, GAS PHASE METALLICITY, AND STAR FORMATION RATE. <i>Astrophysical Journal</i> , 2016, 827, 35.	1.6	46
50	CONSTRAINTS FOR THE PROGENITOR MASSES OF 17 HISTORIC CORE-COLLAPSE SUPERNOVAE. <i>Astrophysical Journal</i> , 2014, 791, 105.	1.6	45
51	THE PROGENITOR MASS OF SN 2011dh FROM STELLAR POPULATION ANALYSIS. <i>Astrophysical Journal Letters</i> , 2011, 742, L4.	3.0	44
52	MEASURING GALAXY STAR FORMATION RATES FROM INTEGRATED PHOTOMETRY: INSIGHTS FROM COLOR-MAGNITUDE DIAGRAMS OF RESOLVED STARS. <i>Astrophysical Journal</i> , 2013, 772, 8.	1.6	41
53	THE SPLASH SURVEY: KINEMATICS OF ANDROMEDA'S INNER SPHEROID. <i>Astrophysical Journal</i> , 2012, 752, 147.	1.6	40
54	Kinematics of the atomic ISM in M33 on 80Åpc scales. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 2505-2533.	1.6	40

#	ARTICLE	IF	CITATIONS
55	Constraints for the Progenitor Masses of Historic Core-collapse Supernovae. <i>Astrophysical Journal</i> , 2018, 860, 39.	1.6	38
56	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. I. BRIGHT UV STARS IN THE BULGE OF M31. <i>Astrophysical Journal</i> , 2012, 755, 131.	1.6	37
57	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XV. THE BEAST: BAYESIAN EXTINCTION AND STELLAR TOOL*. <i>Astrophysical Journal</i> , 2016, 826, 104.	1.6	36
58	Stellar Feedback and Resolved Stellar IFU Spectroscopy in the Nearby Spiral Galaxy NGC 300. <i>Astrophysical Journal</i> , 2020, 891, 25.	1.6	35
59	PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XII. MAPPING STELLAR METALLICITY DISTRIBUTIONS IN M31. <i>Astronomical Journal</i> , 2015, 150, 189.	1.9	32
60	A GLOBAL STAR-FORMING EPISODE IN M31 \sim 4 GYR AGO. <i>Astrophysical Journal</i> , 2015, 806, 48.	1.6	32
61	Combined Effects of Rotation and Age Spreads on Extended Main-Sequence Turn Offs. <i>Astrophysical Journal</i> , 2019, 887, 199.	1.6	32
62	The Panchromatic Hubble Andromeda Treasury: Triangulum Extended Region (PHATTER). I. Ultraviolet to Infrared Photometry of 22 Million Stars in M33. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 53.	3.0	30
63	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. IV. A PROBABILISTIC APPROACH TO INFERRING THE HIGH-MASS STELLAR INITIAL MASS FUNCTION AND OTHER POWER-LAW FUNCTIONS. <i>Astrophysical Journal</i> , 2013, 762, 123.	1.6	29
64	Self-consistent Predictions for LIER-like Emission Lines from Post-AGB Stars. <i>Astronomical Journal</i> , 2019, 158, 2.	1.9	29
65	THE ACS NEARBY GALAXY SURVEY TREASURY. XI. THE REMARKABLY UNDISTURBED NGC 2403 DISK. <i>Astrophysical Journal</i> , 2013, 765, 120.	1.6	27
66	The Spectroscopy and H-band Imaging of Virgo Cluster Galaxies (SHIVir) Survey: Scaling Relations and the Stellar-to-total Mass Relation. <i>Astrophysical Journal</i> , 2017, 843, 74.	1.6	27
67	THE AGES OF HIGH-MASS X-RAY BINARIES IN NGC 2403 AND NGC 300. <i>Astrophysical Journal</i> , 2013, 772, 12.	1.6	24
68	Progenitor Mass Distribution for Core-collapse Supernova Remnants in M31 and M33. <i>Astrophysical Journal</i> , 2018, 861, 92.	1.6	22
69	Star formation at the edge of the Local Group: a rising star formation history in the isolated galaxy WLM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5538-5550.	1.6	21
70	Mapping the Escape Fraction of Ionizing Photons Using Resolved Stars: A Much Higher Escape Fraction for NGC 4214. <i>Astrophysical Journal</i> , 2020, 902, 54.	1.6	21
71	The Small Magellanic Cloud Investigation of Dust and Gas Evolution (SMIDGE): The Dust Extinction Curve from Red Clump Stars. <i>Astrophysical Journal</i> , 2017, 847, 102.	1.6	20
72	The Progenitor Age and Mass of the Black Hole Formation Candidate N6946-BH1. <i>Astrophysical Journal</i> , 2018, 860, 117.	1.6	19

#	ARTICLE	IF	CITATIONS
73	Spatially Resolved Metal Loss from M31. <i>Astrophysical Journal</i> , 2019, 877, 120.	1.6	19
74	The Masses of Supernova Remnant Progenitors in M83. <i>Astrophysical Journal</i> , 2019, 881, 54.	1.6	19
75	THE HISTORY OF STAR FORMATION IN GALAXY DISKS IN THE LOCAL VOLUME AS MEASURED BY THE ADVANCED CAMERA FOR SURVEYS NEARBY GALAXY SURVEY TREASURY. <i>Astrophysical Journal Letters</i> , 2011, 734, L22.	3.0	18
76	A SPECTROSCOPIC AND PHOTOMETRIC EXPLORATION OF THE C/M RATIO IN THE DISK OF M31. <i>Astrophysical Journal</i> , 2015, 810, 60.	1.6	18
77	DDO 216-A1: A Central Globular Cluster in a Low-luminosity Transition-type Galaxy. <i>Astrophysical Journal</i> , 2017, 837, 54.	1.6	17
78	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. II. TRACING THE INNER M31 HALO WITH BLUE HORIZONTAL BRANCH STARS. <i>Astrophysical Journal</i> , 2012, 759, 46.	1.6	16
79	PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XIV. THE PERIOD-AGE RELATIONSHIP OF CEPHEID VARIABLES IN M31 STAR CLUSTERS. <i>Astrophysical Journal</i> , 2015, 813, 31.	1.6	16
80	The Stellar Mass of M31 as inferred by the Andromeda Optical & Infrared Disk Survey. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 82-85.	0.0	15
81	Asymmetric Drift in the Andromeda Galaxy (M31) as a Function of Stellar Age. <i>Astrophysical Journal</i> , 2019, 871, 11.	1.6	15
82	THE ACS NEARBY GALAXY SURVEY TREASURY. VII. THE NGC 4214 STARBURST AND THE EFFECTS OF STAR FORMATION HISTORY ON DWARF MORPHOLOGY. <i>Astrophysical Journal</i> , 2011, 735, 22.	1.6	14
83	Photometric evidence of an intermediate-age stellar population in the inner bulge of M31. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 4126-4138.	1.6	13
84	A New Approach to Convective Core Overshooting: Probabilistic Constraints from Color-Magnitude Diagrams of LMC Clusters. <i>Astrophysical Journal</i> , 2017, 841, 69.	1.6	13
85	Comparing <i>Chandra</i> and <i>Hubble</i> in the Northern Disk of M31. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 13.	3.0	13
86	The Panchromatic Hubble Andromeda Treasury: Triangulum Extended Region (PHATTER). III. The Mass Function of Young Stellar Clusters in M33. <i>Astrophysical Journal</i> , 2022, 928, 15.	1.6	13
87	The Survey of Lines in M31 (SLIM): The Drivers of the [C ii]/TIR Variation. <i>Astrophysical Journal</i> , 2017, 842, 128.	1.6	12
88	Relationship between the line width of the atomic and molecular ISM in M33. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 2324-2342.	1.6	12
89	A lack of constraints on the cold opaque mass: spectra in M31 and M33 prefer multicomponent models over a single cold opaque component. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 1801-1824.	1.6	11
90	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XVII. EXAMINING OBSCURED STAR FORMATION WITH SYNTHETIC ULTRAVIOLET FLUX MAPS IN M31*. <i>Astrophysical Journal</i> , 2017, 834, 70.	1.6	10

#	ARTICLE	IF	CITATIONS
91	ISOLATING THE YOUNG STELLAR POPULATION IN THE OUTER DISK OF NGC 300*. <i>Astrophysical Journal</i> , 2016, 831, 191.	1.6	9
92	Multiwavelength Characterization of the High-mass X-Ray Binary Population of M31. <i>Astrophysical Journal</i> , 2021, 906, 120.	1.6	9
93	Mass-to-light Ratios of Spatially Resolved Stellar Populations in M31. <i>Astrophysical Journal</i> , 2020, 891, 32.	1.6	9
94	Progenitor mass distribution for 22 historic core-collapse supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 781-790.	1.6	8
95	The TREX Survey: Kinematical Complexity Throughout M33's Stellar Disk and Evidence for a Stellar Halo*. <i>Astrophysical Journal</i> , 2022, 924, 116.	1.6	8
96	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. VI. THE RELIABILITY OF FAR-ULTRAVIOLET FLUX AS A STAR FORMATION TRACER ON SUBKILOPARSEC SCALES. <i>Astrophysical Journal</i> , 2014, 788, 12.	1.6	7
97	Three-dimensional Structure and Dust Extinction in the Small Magellanic Cloud. <i>Astrophysical Journal</i> , 2021, 907, 50.	1.6	7
98	PHAT XX. AGB Stars and Other Cool Giants in M31 Star Clusters. <i>Astrophysical Journal</i> , 2020, 901, 19.	1.6	7
99	The Triangulum Extended (Trex) Survey: The Stellar Disk Dynamics of M33 as a Function of Stellar Age. <i>Astronomical Journal</i> , 2022, 163, 166.	1.9	7
100	Old and new major mergers in the SOSIMPLE galaxy, NGC 7135. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 2296-2307.	1.6	6
101	A Census of Thermally Pulsing AGB Stars in the Andromeda Galaxy and a First Estimate of Their Contribution to the Global Dust Budget. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 41.	3.0	6
102	Emission-line stars in M31 from the SPLASH and PHAT surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 4180-4203.	1.6	2
103	The Spatially-Resolved Star Formation History of the M31 Disk from Resolved Stellar Populations. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 57-60.	0.0	1
104	The spectroscopy and <i>Hα</i> -band imaging of Virgo cluster galaxies (SHIVir) survey: data catalogue and kinematic profiles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 2356-2375.	1.6	1
105	The Properties of Radio Selected Galaxies in HIPASS/HIJASS and SDSS. <i>Symposium - International Astronomical Union</i> , 2004, 217, 50-52.	0.1	0
106	HI Selected Galaxies in the SDSS. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	0
107	The Size-Luminosity Relation of Disk Galaxies in EDisCS Clusters. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 201-201.	0.0	0
108	Connecting Gas Dynamics and Star Formation Histories in Nearby Galaxies: The VLA-ANGST Survey. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	0

#	ARTICLE	IF	CITATIONS
109	M31 Planetary nebulae as seen by the Panchromatic Hubble Andromeda Treasury. Proceedings of the International Astronomical Union, 2011, 7, 275-278.	0.0	0
110	Massive Stars in M31. Proceedings of the International Astronomical Union, 2016, 12, 419-419.	0.0	0