

Jeremy Darling

List of Publications by Year in descending order

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108
papers

8,177
citations

117625

34
h-index

46799

89
g-index

108
all docs

108
docs citations

108
times ranked

8123
citing authors

#	ARTICLE	IF	CITATIONS
1	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. <i>Astronomical Journal</i> , 2017, 154, 28.	4.7	1,100
2	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 3.	7.7	826
3	The Fourteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the Extended Baryon Oscillation Spectroscopic Survey and from the Second Phase of the Apache Point Observatory Galactic Evolution Experiment. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 42.	7.7	796
4	The Arecibo Legacy Fast ALFA Survey. I. Science Goals, Survey Design, and Strategy. <i>Astronomical Journal</i> , 2005, 130, 2598-2612.	4.7	636
5	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA. <i>Astronomical Journal</i> , 2016, 151, 44.	4.7	582
6	The 13th Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-IV Survey Mapping Nearby Galaxies at Apache Point Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 25.	7.7	406
7	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 35.	7.7	405
8	Science with ASKAP. <i>Experimental Astronomy</i> , 2008, 22, 151-273.	3.7	332
9	The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 23.	7.7	299
10	Science with the Australian Square Kilometre Array Pathfinder. <i>Publications of the Astronomical Society of Australia</i> , 2007, 24, 174-188.	3.4	231
11	Dense gas in the Galactic central molecular zone is warm and heated by turbulence. <i>Astronomy and Astrophysics</i> , 2016, 586, A50.	5.1	152
12	A New Sample of (Wandering) Massive Black Holes in Dwarf Galaxies from High-resolution Radio Observations. <i>Astrophysical Journal</i> , 2020, 888, 36.	4.5	150
13	A Search for OH Megamasers at [ITAL]z$[$CLC]</math> [ITAL]$[$CLC]</math> [ITAL]$[$CLC]</math> [ITAL]$[$CLC]</math> 0.1. III. The Complete Survey. <i>Astronomical Journal</i> , 2002, 124, 100-126.	4.7	103
14	Distributed Star Formation throughout the Galactic Center Cloud Sgr B2. <i>Astrophysical Journal</i> , 2018, 853, 171.	4.5	74
15	The CO Luminosity Density at High-z (COLDz) Survey: A Sensitive, Large-area Blind Search for Low-J CO Emission from Cold Gas in the Early Universe with the Karl G. Jansky Very Large Array. <i>Astrophysical Journal</i> , 2018, 864, 49.	4.5	71
16	Methods for Constraining Fine Structure Constant Evolution with OH Microwave Transitions. <i>Physical Review Letters</i> , 2003, 91, 011301.	7.8	65
17	Formaldehyde Densitometry of Starburst Galaxies. <i>Astrophysical Journal</i> , 2008, 673, 832-846.	4.5	59
18	An ALMA Early Science survey of molecular absorption lines toward PKS$[$CLC]</math> 1830$[$CLC]</math> 211. <i>Astronomy and Astrophysics</i> , 2014, 566, A112.	5.1	57

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19	Properties of Active Galaxies Deduced from H α Observations. <i>Astrophysical Journal</i> , 2008, 681, 128-140.	4.5	54
20	The OH Megamaser Luminosity Function. <i>Astrophysical Journal</i> , 2002, 572, 810-822.	4.5	48
21	Toward gas exhaustion in the W51 high-mass protoclusters. <i>Astronomy and Astrophysics</i> , 2016, 595, A27.	5.1	48
22	MEASUREMENT OF THE BLACK HOLE MASS IN NGC 1332 FROM ALMA OBSERVATIONS AT 0.044 ARCSECOND RESOLUTION. <i>Astrophysical Journal Letters</i> , 2016, 822, L28.	8.3	46
23	The dense gas mass fraction in the W51 cloud and its protoclusters. <i>Astronomy and Astrophysics</i> , 2015, 573, A106.	5.1	44
24	A Search for OH Megamasers at [CLC]z[CLC]â€‰0.1. II. Further Results. <i>Astronomical Journal</i> , 2001, 121, 1278-1293.	4.7	43
25	Thermal Feedback in the High-mass Star- and Cluster-forming Region W51. <i>Astrophysical Journal</i> , 2017, 842, 92.	4.5	43
26	A Search for OH Megamasers at [ITAL][CLC]z[CLC][/ITAL]â€‰0.1. I. Preliminary Results. <i>Astronomical Journal</i> , 2000, 119, 3003-3014.	4.7	42
27	The Optical/Infrared Astronomical Quality of High Atacama Sites. II. Infrared Characteristics. <i>Publications of the Astronomical Society of the Pacific</i> , 2001, 113, 803-813.	3.1	42
28	A Laboratory for Constraining Cosmic Evolution of the Fine-Structure Constant: Conjugate 18 Centimeter OH Lines toward PKS 1413+135 at $z = 0.24671$. <i>Astrophysical Journal</i> , 2004, 612, 58-63.	4.5	41
29	<i>SPITZER</i> MID-INFRARED SPECTROSCOPY OF COMPACT SYMMETRIC OBJECTS: WHAT POWERS RADIO-LOUD ACTIVE GALACTIC NUCLEI?. <i>Astrophysical Journal</i> , 2010, 713, 1393-1412.	4.5	40
30	AMMONIA THERMOMETRY OF STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2013, 779, 33.	4.5	40
31	TOWARD A DIRECT MEASUREMENT OF THE COSMIC ACCELERATION. <i>Astrophysical Journal Letters</i> , 2012, 761, L26.	8.3	39
32	THE ONSET OF MASSIVE STAR FORMATION: THE EVOLUTION OF TEMPERATURE AND DENSITY STRUCTURE IN AN INFRARED DARK CLOUD. <i>Astrophysical Journal</i> , 2014, 787, 113.	4.5	39
33	A New H α Survey of Active Galaxies. <i>Astrophysical Journal, Supplement Series</i> , 2008, 177, 103-130.	7.7	38
34	A MEASUREMENT OF THE TURBULENCE-DRIVEN DENSITY DISTRIBUTION IN A NON-STAR-FORMING MOLECULAR CLOUD. <i>Astrophysical Journal</i> , 2013, 779, 50.	4.5	37
35	TOWARD PRECISION BLACK HOLE MASSES WITH ALMA: NGC 1332 AS A CASE STUDY IN MOLECULAR DISK DYNAMICS. <i>Astrophysical Journal</i> , 2016, 823, 51.	4.5	33
36	FORMALDEHYDE DENSITOMETRY OF STARBURST GALAXIES: DENSITY-INDEPENDENT GLOBAL STAR FORMATION. <i>Astrophysical Journal</i> , 2013, 766, 108.	4.5	32

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37	New Limits on Axionic Dark Matter from the Magnetar PSR J1745-2900. <i>Astrophysical Journal Letters</i> , 2020, 900, L28.	8.3	32
38	ALMA Observations of Circumnuclear Disks in Early-type Galaxies: ^{12}CO and Continuum Properties. <i>Astrophysical Journal</i> , 2017, 845, 170.	4.5	31
39	The Nonvariability of the Progenitor of Supernova 1993J in M81. <i>Astronomical Journal</i> , 1995, 110, 308.	4.7	31
40	Detection of chloronium and measurement of the $^{35}\text{Cl}/^{37}\text{Cl}$ isotopic ratio at $z = 0.89$ toward PKS 1830-211. <i>Astronomy and Astrophysics</i> , 2014, 566, L6.	5.1	30
41	Search for Axionic Dark Matter Using the Magnetar PSR J1745-2900. <i>Physical Review Letters</i> , 2020, 125, 121103.	7.8	30
42	Probing the jet base of the blazar PKS 1830-211 from the chromatic variability of its lensed images. <i>Astronomy and Astrophysics</i> , 2013, 558, A123.	5.1	29
43	A Precision Measurement of the Mass of the Black Hole in NGC 3258 from High-resolution ALMA Observations of Its Circumnuclear Disk. <i>Astrophysical Journal</i> , 2019, 881, 10.	4.5	29
44	GALACTIC H_2CO DENSITOMETRY. I. PILOT SURVEY OF ULTRACOMPACT H II REGIONS AND METHODOLOGY. <i>Astrophysical Journal</i> , 2011, 736, 149.	4.5	28
45	THE ALFALFA H I ABSORPTION PILOT SURVEY: A WIDE-AREA BLIND DAMPED Ly α SYSTEM SURVEY OF THE LOCAL UNIVERSE. <i>Astrophysical Journal</i> , 2011, 742, 60.	4.5	28
46	FLASH early science discovery of an intervening H α 21-cm absorber from an ASKAP survey of the GAMA23 field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 3627-3641.	4.4	28
47	Black Hole Mass Measurements of Radio Galaxies NGC 315 and NGC 4261 Using ALMA CO Observations*. <i>Astrophysical Journal</i> , 2021, 908, 19.	4.5	28
48	New searches for H α 21 cm in damped Lyman α absorption systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 35-45.	4.4	27
49	Optical Spectral Classification of Major Mergers: OH Megamaser Hosts versus Nonmasing (Ultra)Luminous Infrared Galaxies. <i>Astronomical Journal</i> , 2006, 132, 2596-2617.	4.7	25
50	WATER MASERS IN THE ANDROMEDA GALAXY: THE FIRST STEP TOWARD PROPER MOTION. <i>Astrophysical Journal Letters</i> , 2011, 732, L2.	8.3	25
51	THE COMPARISON OF PHYSICAL PROPERTIES DERIVED FROM GAS AND DUST IN A MASSIVE STAR-FORMING REGION. <i>Astrophysical Journal</i> , 2014, 786, 116.	4.5	25
52	The Dual Role of Starbursts and Active Galactic Nuclei in Driving Extreme Molecular Outflows. <i>Astrophysical Journal</i> , 2018, 859, 35.	4.5	24
53	Astrometric Limits on the Stochastic Gravitational Wave Background. <i>Astrophysical Journal</i> , 2018, 861, 113.	4.5	24
54	A Search for 6.7 GHz Methanol Masers in OH Megamaser Galaxies at $0.11 < z < 0.27$. <i>Astronomical Journal</i> , 2003, 125, 1177-1181.	4.7	23

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55	A Search for Intrinsic H i 21 cm and OH 18 cm Absorption toward Compact Radio Sources. <i>Astrophysical Journal, Supplement Series</i> , 2019, 245, 3.	7.7	23
56	High-Resolution Imaging of the OH Megamaser Emission in IRAS 12032+1707 and IRAS 14070+0525. <i>Astrophysical Journal</i> , 2005, 618, 705-711.	4.5	23
57	Detection of 21 Centimeter H i Absorption at $z \approx 0.78$ in a Survey of Radio Continuum Sources. <i>Astrophysical Journal</i> , 2004, 613, L101-L104.	4.5	22
58	H I and OH absorption in the lensing galaxy of MG J0414+0534. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2007, 382, L11-L15.	3.3	22
59	The VLBA Extragalactic Proper Motion Catalog and a Measurement of the Secular Aberration Drift. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 3.	7.7	22
60	Towards robust constraints on axion dark matter using PSR J1745-2900. <i>Physical Review D</i> , 2022, 105, .	4.7	22
61	Ubiquitous Water Masers in Nearby Star-Forming Galaxies. <i>Astrophysical Journal</i> , 2008, 685, L39-L42.	4.5	21
62	The Optical/Infrared Astronomical Quality of High Atacama Sites. I. Preliminary Results of Optical Seeing. <i>Publications of the Astronomical Society of the Pacific</i> , 2001, 113, 789-802.	3.1	20
63	A Dense Gas Trigger for OH Megamasers. <i>Astrophysical Journal</i> , 2007, 669, L9-L12.	4.5	20
64	WATER MASERS ASSOCIATED WITH STAR FORMATION IN THE ANTENNAE GALAXIES. <i>Astrophysical Journal Letters</i> , 2010, 716, L51-L56.	8.3	20
65	MID-INFRARED PROPERTIES OF OH MEGAMASER HOST GALAXIES. I. <i>SPITZER</i> IRS LOW- AND HIGH-RESOLUTION SPECTROSCOPY. <i>Astrophysical Journal, Supplement Series</i> , 2011, 193, 18.	7.7	20
66	INVISIBLE ACTIVE GALACTIC NUCLEI. II. RADIO MORPHOLOGIES AND FIVE NEW H i 21 cm ABSORPTION LINE DETECTORS. <i>Astronomical Journal</i> , 2016, 151, 74.	4.7	19
67	MID-INFRARED PROPERTIES OF OH MEGAMASER HOST GALAXIES. II. ANALYSIS AND MODELING OF THE MASER ENVIRONMENT. <i>Astrophysical Journal</i> , 2011, 730, 56.	4.5	18
68	Outflows, Shocks, and Coronal Line Emission in a Radio-selected AGN in a Dwarf Galaxy. <i>Astrophysical Journal</i> , 2021, 910, 5.	4.5	18
69	The Universe is Brighter in the Direction of Our Motion: Galaxy Counts and Fluxes are Consistent with the CMB Dipole. <i>Astrophysical Journal Letters</i> , 2022, 931, L14.	8.3	18
70	The Discovery of Time Variability in OH Megamasers. <i>Astrophysical Journal</i> , 2002, 569, L87-L90.	4.5	17
71	Faint objects in motion: the new frontier of high precision astrometry. <i>Experimental Astronomy</i> , 2021, 51, 845-886.	3.7	17
72	FORMALDEHYDE ANTI-INVERSION AT $z \approx 0.68$ IN THE GRAVITATIONAL LENS B0218 + 357. <i>Astrophysical Journal</i> , 2010, 709, 386-395.	4.5	16

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73	The evolution of neutral hydrogen over the past 11â€‰Gyr via Hâ€‰i 21â€‰cm absorption. Monthly Notices of the Royal Astronomical Society, 2020, 498, 883-898.	4.4	15
74	Gaia EDR3 Parallax Distances to the Great Carina Nebula and Its Star Clusters (Trumpler 14, 15, 16). Astrophysical Journal, 2021, 914, 18.	4.5	15
75	The First Large Absorption Survey in H <sc>i</sc> (FLASH): I. Science goals and survey design. Publications of the Astronomical Society of Australia, 2022, 39, .	3.4	15
76	A NEARLY NAKED SUPERMASSIVE BLACK HOLE. Astrophysical Journal, 2017, 834, 184.	4.5	13
77	Secular Extragalactic Parallax: Measurement Methods and Predictions for Gaia. Astrophysical Journal, 2020, 890, 146.	4.5	12
78	Peculiar Broad Absorption Line Quasars Found in The Digitized Palomar Observatory Sky Survey. Astronomical Journal, 2003, 126, 53-62.	4.7	11
79	On the X-ray properties of OH megamaser sources: Chandra snapshot observations. Monthly Notices of the Royal Astronomical Society, 2005, 364, 99-106.	4.4	11
80	An ALMA Gas-dynamical Mass Measurement of the Supermassive Black Hole in the Local Compact Galaxy UGC 2698. Astrophysical Journal, 2021, 919, 77.	4.5	11
81	INVISIBLE ACTIVE GALACTIC NUCLEI. I. SAMPLE SELECTION AND OPTICAL/NEAR-IR SPECTRAL ENERGY DISTRIBUTIONS. Astronomical Journal, 2012, 144, 124.	4.7	10
82	OBJECTS APPEAR SMALLER AS THEY RECEDE: HOW PROPER MOTIONS CAN DIRECTLY REVEAL THE COSMIC EXPANSION, PROVIDE GEOMETRIC DISTANCES, AND MEASURE THE HUBBLE CONSTANT. Astrophysical Journal Letters, 2013, 777, L21.	8.3	10
83	The <i>Gaia</i> â€“ <i>WISE</i> Extragalactic Astrometric Catalog. Astrophysical Journal, Supplement Series, 2018, 236, 37.	7.7	10
84	FORMALDEHYDE SILHOUETTES AGAINST THE COSMIC MICROWAVE BACKGROUND: A MASS-LIMITED, DISTANCE-INDEPENDENT, EXTINCTION-FREE TRACER OF STAR FORMATION ACROSS THE EPOCH OF GALAXY EVOLUTION. Astrophysical Journal Letters, 2012, 749, L33.	8.3	9
85	All Transverse Motion Is Peculiar: Connecting the Proper Motions of Galaxies to the Matter Power Spectrum. Astrophysical Journal, 2018, 864, 37.	4.5	9
86	Identifying OH Imposters in the ALFALFA Neutral Hydrogen Survey. Monthly Notices of the Royal Astronomical Society, 2016, 459, 220-231.	4.4	8
87	OH Megamasers in H i Surveys: Forecasts and a Machine-learning Approach to Separating Disks from Mergers. Astrophysical Journal, 2021, 911, 38.	4.5	8
88	The Hubble expansion is isotropic in the epoch of dark energy. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 442, L66-L70.	3.3	7
89	How to Detect Inclined Water Maser Disks (and Possibly Measure Black Hole Masses). Astrophysical Journal, 2017, 837, 100.	4.5	7
90	The invisible AGN catalogue: a mid-infraredâ€“radio selection method for optically faint active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2017, 468, 196-206.	4.4	7

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91	Wandering Black Hole Candidates in Dwarf Galaxies at VLBI Resolution. <i>Astrophysical Journal</i> , 2022, 933, 160.	4.5	7
92	Apertif view of the OH megamaser IRAS 10597+5926: OH 18 cm satellite lines in wide-area H&I surveys. <i>Astronomy and Astrophysics</i> , 2021, 647, A193.	5.1	5
93	WATER MASERS IN THE ANDROMEDA GALAXY. I. A SURVEY FOR WATER MASERS, AMMONIA, AND HYDROGEN RECOMBINATION LINES. <i>Astrophysical Journal</i> , 2016, 826, 24.	4.5	5
94	Searching for high-redshift centimeter-wave continuum, line and maser emission using the Square Kilometer Array. <i>New Astronomy Reviews</i> , 2004, 48, 1247-1257.	12.8	4
95	WATER MASERS IN THE ANDROMEDA GALAXY. II. WHERE DO MASERS ARISE?. <i>Astrophysical Journal</i> , 2016, 826, 136.	4.5	4
96	The Galaxy Evolution Probe: a concept for a mid and far-infrared space observatory. , 2018, , .		4
97	Masers in starburst galaxies. <i>Proceedings of the International Astronomical Union</i> , 2007, 3, 417-426.	0.0	3
98	Toward a Measurement of the Transverse Peculiar Velocity of Galaxy Pairs. <i>Astrophysical Journal</i> , 2018, 868, 69.	4.5	2
99	Sardinia Radio Telescope observations of Local Group dwarf galaxies â€” I. The cases of NGCâ€‰6822, ICâ€‰1613, and WLM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 45-57.	4.4	2
100	The ⁸⁷ Rubidium Atomic Clock Maser in Giant Stars. <i>Research Notes of the AAS</i> , 2018, 2, 15.	0.7	2
101	Looking at the Distant Universe with the MeerKAT Array: Discovery of a Luminous OH Megamaser at z > 0.5. <i>Astrophysical Journal Letters</i> , 2022, 931, L7.	8.3	2
102	3D Kinematics of Stellar SiO Masers in the Galactic Center. <i>Astrophysical Journal</i> , 2022, 927, 181.	4.5	1
103	Densitometry and Thermometry of Starburst Galaxies. <i>EAS Publications Series</i> , 2011, 52, 71-74.	0.3	0
104	Masers in Starburst Galaxies. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 333-339.	0.0	0
105	Densitometry of Active Star Forming Galaxies. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 239-242.	0.0	0
106	More than star formation: High-J CO SLEDs of high-z galaxies. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 162-167.	0.0	0
107	Atomic Clocks in Space: A Search for Rubidium and Cesium Masers in M- and L-dwarfs. <i>Research Notes of the AAS</i> , 2021, 5, 20.	0.7	0
108	Densitometry and Thermometry of Starburst Galaxies. <i>EAS Publications Series</i> , 2015, 75-76, 61-65.	0.3	0