

Jeremy Darling

List of Publications by Year in descending order

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Version: 2024-02-01

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	Towards robust constraints on axion dark matter using PSR J1745-2900. <i>Physical Review D</i> , 2022, 105, .	4.7	22
2	The First Large Absorption Survey in H α (FLASH): I. Science goals and survey design. <i>Publications of the Astronomical Society of Australia</i> , 2022, 39, .	3.4	15
3	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
4	3D Kinematics of Stellar SiO Masers in the Galactic Center. <i>Astrophysical Journal</i> , 2022, 927, 181.	4.5	1
5	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
6	Looking at the Distant Universe with the MeerKAT Array: Discovery of a Luminous OH Megamaser at $z \approx 0.5$. <i>Astrophysical Journal Letters</i> , 2022, 931, L7.	8.3	2
7	Wandering Black Hole Candidates in Dwarf Galaxies at VLBI Resolution. <i>Astrophysical Journal</i> , 2022, 933, 160.	4.5	7
8	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
9	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
10	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
11	Apertif view of the OH megamaser IRAS 10597+5926: OH 18 cm satellite lines in wide-area H α surveys. <i>Astronomy and Astrophysics</i> , 2021, 647, A193.	5.1	5
12	OH Megamasers in H α Surveys: Forecasts and a Machine-learning Approach to Separating Disks from Mergers. <i>Astrophysical Journal</i> , 2021, 911, 38.	4.5	8
13	Gaia EDR3 Parallax Distances to the Great Carina Nebula and Its Star Clusters (Trumpler 14, 15, 16). <i>Astrophysical Journal</i> , 2021, 914, 18.	4.5	15
14	An ALMA Gas-dynamical Mass Measurement of the Supermassive Black Hole in the Local Compact Galaxy UGC 2698. <i>Astrophysical Journal</i> , 2021, 919, 77.	4.5	11
15	Faint objects in motion: the new frontier of high precision astrometry. <i>Experimental Astronomy</i> , 2021, 51, 845-886.	3.7	17
16	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
17	Sardinia Radio Telescope observations of Local Group dwarf galaxies – I. The cases of NGC 6822, IC 1613, and WLM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 45-57.	4.4	2
18	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

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19	The evolution of neutral hydrogen over the past 11 Gyr via $H\text{I } 21\text{cm}$ absorption. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 883-898.	4.4	15
20	Search for Axionic Dark Matter Using the Magnetar PSR J1745-2900. <i>Physical Review Letters</i> , 2020, 125, 121103.	7.8	30
21	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
22	Secular Extragalactic Parallax: Measurement Methods and Predictions for Gaia. <i>Astrophysical Journal</i> , 2020, 890, 146.	4.5	12
23	New Limits on Axionic Dark Matter from the Magnetar PSR J1745-2900. <i>Astrophysical Journal Letters</i> , 2020, 900, L28.	8.3	32
24	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
25	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
26	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
27	A Search for Intrinsic $H\text{I } 21\text{cm}$ and $\text{OH } 18\text{cm}$ Absorption toward Compact Radio Sources. <i>Astrophysical Journal, Supplement Series</i> , 2019, 245, 3.	7.7	23
28	Distributed Star Formation throughout the Galactic Center Cloud Sgr B2. <i>Astrophysical Journal</i> , 2018, 853, 171.	4.5	74
29	The Dual Role of Starbursts and Active Galactic Nuclei in Driving Extreme Molecular Outflows. <i>Astrophysical Journal</i> , 2018, 859, 35.	4.5	24
30	Toward a Measurement of the Transverse Peculiar Velocity of Galaxy Pairs. <i>Astrophysical Journal</i> , 2018, 868, 69.	4.5	2
31	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
32	All Transverse Motion Is Peculiar: Connecting the Proper Motions of Galaxies to the Matter Power Spectrum. <i>Astrophysical Journal</i> , 2018, 864, 37.	4.5	9
33	Astrometric Limits on the Stochastic Gravitational Wave Background. <i>Astrophysical Journal</i> , 2018, 861, 113.	4.5	24
34	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
35	The <i>Gaia</i> \times <i>WISE</i> Extragalactic Astrometric Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 37.	7.7	10
36	The Galaxy Evolution Probe: a concept for a mid and far-infrared space observatory. , 2018, , .		4

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37	The ⁸⁷ Rubidium Atomic Clock Maser in Giant Stars. <i>Research Notes of the AAS</i> , 2018, 2, 15.	0.7	2
38	A NEARLY NAKED SUPERMASSIVE BLACK HOLE. <i>Astrophysical Journal</i> , 2017, 834, 184.	4.5	13
39	How to Detect Inclined Water Maser Disks (and Possibly Measure Black Hole Masses). <i>Astrophysical Journal</i> , 2017, 837, 100.	4.5	7
40	Thermal Feedback in the High-mass Star- and Cluster-forming Region W51. <i>Astrophysical Journal</i> , 2017, 842, 92.	4.5	43
41	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
42	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
43	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
44	The invisible AGN catalogue: a mid-infrared radio selection method for optically faint active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 196-206.	4.4	7
45	ALMA Observations of Circumnuclear Disks in Early-type Galaxies: ¹² CO(2 ¹) and Continuum Properties. <i>Astrophysical Journal</i> , 2017, 845, 170.	4.5	31
46	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
47	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
48	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
49	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
50	WATER MASERS IN THE ANDROMEDA GALAXY. II. WHERE DO MASERS ARISE?. <i>Astrophysical Journal</i> , 2016, 826, 136.	4.5	4
51	Toward gas exhaustion in the W51 high-mass protoclusters. <i>Astronomy and Astrophysics</i> , 2016, 595, A27.	5.1	48
52	Identifying OH Imposters in the ALFALFA Neutral Hydrogen Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 220-231.	4.4	8
53	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA. <i>Astronomical Journal</i> , 2016, 151, 44.	4.7	582
54	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

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55	The dense gas mass fraction in the W51 cloud and its protoclusters. <i>Astronomy and Astrophysics</i> , 2015, 573, A106.	5.1	44
56	Densitometry and Thermometry of Starburst Galaxies. <i>EAS Publications Series</i> , 2015, 75-76, 61-65.	0.3	0
57	The Hubble expansion is isotropic in the epoch of dark energy. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 442, L66-L70.	3.3	7
58	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
59	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
60	An ALMA Early Science survey of molecular absorption lines toward PKS $\hat{\epsilon}$ 1830 $\hat{\epsilon}$ 211. <i>Astronomy and Astrophysics</i> , 2014, 566, A112.	5.1	57
61	Detection of chloronium and measurement of the ³⁵ Cl/ ³⁷ Cl isotopic ratio at \hat{i} \hat{z} = 0.89 toward PKS $\hat{\epsilon}$ 1830 $\hat{\epsilon}$ 211. <i>Astronomy and Astrophysics</i> , 2014, 566, L6.	5.1	30
62	AMMONIA THERMOMETRY OF STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2013, 779, 33.	4.5	40
63	FORMALDEHYDE DENSITOMETRY OF STARBURST GALAXIES: DENSITY-INDEPENDENT GLOBAL STAR FORMATION. <i>Astrophysical Journal</i> , 2013, 766, 108.	4.5	32
64	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
65	OBJECTS APPEAR SMALLER AS THEY RECEDE: HOW PROPER MOTIONS CAN DIRECTLY REVEAL THE COSMIC EXPANSION, PROVIDE GEOMETRIC DISTANCES, AND MEASURE THE HUBBLE CONSTANT. <i>Astrophysical Journal Letters</i> , 2013, 777, L21.	8.3	10
66	Probing the jet base of the blazar PKS $\hat{\epsilon}$ 1830 $\hat{\epsilon}$ 211 from the chromatic variability of its lensed images. <i>Astronomy and Astrophysics</i> , 2013, 558, A123.	5.1	29
67	TOWARD A DIRECT MEASUREMENT OF THE COSMIC ACCELERATION. <i>Astrophysical Journal Letters</i> , 2012, 761, L26.	8.3	39
68	INVISIBLE ACTIVE GALACTIC NUCLEI. I. SAMPLE SELECTION AND OPTICAL/NEAR-IR SPECTRAL ENERGY DISTRIBUTIONS. <i>Astronomical Journal</i> , 2012, 144, 124.	4.7	10
69	Masers in Starburst Galaxies. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 333-339.	0.0	0
70	Densitometry of Active Star Forming Galaxies. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 239-242.	0.0	0
71	FORMALDEHYDE SILHOUETTES AGAINST THE COSMIC MICROWAVE BACKGROUND: A MASS-LIMITED, DISTANCE-INDEPENDENT, EXTINCTION-FREE TRACER OF STAR FORMATION ACROSS THE EPOCH OF GALAXY EVOLUTION. <i>Astrophysical Journal Letters</i> , 2012, 749, L33.	8.3	9
72	GALACTIC H ₂ CO DENSITOMETRY. I. PILOT SURVEY OF ULTRACOMPACT H II REGIONS AND METHODOLOGY. <i>Astrophysical Journal</i> , 2011, 736, 149.	4.5	28

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73	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
74	THE ALFALFA H I ABSORPTION PILOT SURVEY: A WIDE-AREA BLIND DAMPED Ly \pm SYSTEM SURVEY OF THE LOCAL UNIVERSE. <i>Astrophysical Journal</i> , 2011, 742, 60.	4.5	28
75	WATER MASERS IN THE ANDROMEDA GALAXY: THE FIRST STEP TOWARD PROPER MOTION. <i>Astrophysical Journal Letters</i> , 2011, 732, L2.	8.3	25
76	MID-INFRARED PROPERTIES OF OH MEGAMASER HOST GALAXIES. I. <i>SPITZER</i> IRS LOW- AND HIGH-RESOLUTION SPECTROSCOPY. <i>Astrophysical Journal</i> , Supplement Series, 2011, 193, 18.	7.7	20
77	Densitometry and Thermometry of Starburst Galaxies. <i>EAS Publications Series</i> , 2011, 52, 71-74.	0.3	0
78	WATER MASERS ASSOCIATED WITH STAR FORMATION IN THE ANTENNAE GALAXIES. <i>Astrophysical Journal Letters</i> , 2010, 716, L51-L56.	8.3	20
79	<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
80	New searches for H α 21 cm in damped Lyman \pm absorption systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 35-45.	4.4	27
81	FORMALDEHYDE ANTI-INVERSION AT $z = 0.68$ IN THE GRAVITATIONAL LENS B0218 + 357. <i>Astrophysical Journal</i> , 2010, 709, 386-395.	4.5	16
82	Science with ASKAP. <i>Experimental Astronomy</i> , 2008, 22, 151-273.	3.7	332
83	Properties of Active Galaxies Deduced from H α Observations. <i>Astrophysical Journal</i> , 2008, 681, 128-140.	4.5	54
84	Formaldehyde Densitometry of Starburst Galaxies. <i>Astrophysical Journal</i> , 2008, 673, 832-846.	4.5	59
85	Ubiquitous Water Masers in Nearby Star-Forming Galaxies. <i>Astrophysical Journal</i> , 2008, 685, L39-L42.	4.5	21
86	A New H α Survey of Active Galaxies. <i>Astrophysical Journal</i> , Supplement Series, 2008, 177, 103-130.	7.7	38
87	Science with the Australian Square Kilometre Array Pathfinder. <i>Publications of the Astronomical Society of Australia</i> , 2007, 24, 174-188.	3.4	231
88	A Dense Gas Trigger for OH Megamasers. <i>Astrophysical Journal</i> , 2007, 669, L9-L12.	4.5	20
89	Masers in starburst galaxies. <i>Proceedings of the International Astronomical Union</i> , 2007, 3, 417-426.	0.0	3
90	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

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91	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
92	On the X-ray properties of OH megamaser sources: Chandra snapshot observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 364, 99-106.	4.4	11
93	The Arecibo Legacy Fast ALFA Survey. I. Science Goals, Survey Design, and Strategy. <i>Astronomical Journal</i> , 2005, 130, 2598-2612.	4.7	636
94	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
95	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
96	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
97	Detection of 21 Centimeter H I Absorption at $z = 0.78$ in a Survey of Radio Continuum Sources. <i>Astrophysical Journal</i> , 2004, 613, L101-L104.	4.5	22
98	Methods for Constraining Fine Structure Constant Evolution with OH Microwave Transitions. <i>Physical Review Letters</i> , 2003, 91, 011301.	7.8	65
99	Peculiar Broad Absorption Line Quasars Found in The Digitized Palomar Observatory Sky Survey. <i>Astronomical Journal</i> , 2003, 126, 53-62.	4.7	11
100	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
101	The Discovery of Time Variability in OH Megamasers. <i>Astrophysical Journal</i> , 2002, 569, L87-L90.	4.5	17
102	The OH Megamaser Luminosity Function. <i>Astrophysical Journal</i> , 2002, 572, 810-822.	4.5	48
103	A Search for OH Megamasers at $z < 0.1$. III. The Complete Survey. <i>Astronomical Journal</i> , 2002, 124, 100-126.	4.7	103
104	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
105	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
106	A Search for OH Megamasers at $z < 0.1$. II. Further Results. <i>Astronomical Journal</i> , 2001, 121, 1278-1293.	4.7	43
107	A Search for OH Megamasers at $z < 0.1$. I. Preliminary Results. <i>Astronomical Journal</i> , 2000, 119, 3003-3014.	4.7	42
108	The Nonvariability of the Progenitor of Supernova 1993J in M81. <i>Astronomical Journal</i> , 1995, 110, 308.	4.7	31