

Casey J Law

List of Publications by Year in descending order

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78
papers

7,140
citations

94433

37
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69250

77
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docs citations

79
times ranked

5173
citing authors

#	ARTICLE	IF	CITATIONS
1	Late-time Evolution and Modeling of the Off-axis Gamma-Ray Burst Candidate FIRST J141918.9+394036. <i>Astrophysical Journal</i> , 2022, 924, 16.	4.5	7
2	Characterizing the Fast Radio Burst Host Galaxy Population and its Connection to Transients in the Local and Extragalactic Universe. <i>Astronomical Journal</i> , 2022, 163, 69.	4.7	91
3	FIRST J153350.8+272729: The Radio Afterglow of a Decades-old Tidal Disruption Event. <i>Astrophysical Journal</i> , 2022, 925, 220.	4.5	7
4	On the Fast Radio Burst and Persistent Radio Source Populations. <i>Astrophysical Journal</i> , 2022, 927, 55.	4.5	19
5	The host galaxy and persistent radio counterpart of FRB 20201124A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 982-990.	4.4	38
6	The Nascent Milliquasar VT J154843.06+220812.6: Tidal Disruption Event or Extreme Accretion State Change?. <i>Astrophysical Journal</i> , 2022, 929, 184.	4.5	5
7	The Large Dispersion and Scattering of FRB 20190520B Are Dominated by the Host Galaxy. <i>Astrophysical Journal</i> , 2022, 931, 87.	4.5	16
8	Robust Assessment of Clustering Methods for Fast Radio Transient Candidates. <i>Astrophysical Journal</i> , 2021, 914, 53.	4.5	3
9	ALMA and NOEMA constraints on synchrotron nebular emission from embryonic superluminous supernova remnants and radio-gamma-ray connection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 44-51.	4.4	11
10	A Data-driven Technique Using Millisecond Transients to Measure the Milky Way Halo. <i>Astrophysical Journal Letters</i> , 2020, 895, L49.	8.3	20
11	A Distant Fast Radio Burst Associated with Its Host Galaxy by the Very Large Array. <i>Astrophysical Journal</i> , 2020, 899, 161.	4.5	62
12	Host Galaxy Properties and Offset Distributions of Fast Radio Bursts: Implications for Their Progenitors. <i>Astrophysical Journal</i> , 2020, 903, 152.	4.5	148
13	VLA/Realfast Detection of a Burst from FRB 180916.J0158+65 and Tests for Periodic Activity. <i>Research Notes of the AAS</i> , 2020, 4, 94.	0.7	22
14	No Radio Bursts Detected from FIRST J141918.9+394036 in Green Bank Telescope Observations. <i>Research Notes of the AAS</i> , 2020, 4, 50.	0.7	0
15	A Search for Late-time Radio Emission and Fast Radio Bursts from Superluminous Supernovae. <i>Astrophysical Journal</i> , 2019, 886, 24.	4.5	28
16	PySE: Software for extracting sources from radio images. <i>Astronomy and Computing</i> , 2018, 23, 92-102.	1.7	19
17	LOFAR 150-MHz observations of SS 433 and W 50. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 5360-5377.	4.4	19
18	An extreme magneto-ionic environment associated with the fast radio burst source FRB 121102. <i>Nature</i> , 2018, 553, 182-185.	27.8	368

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19	A Search for Molecular Gas in the Host Galaxy of FRB 121102. <i>Astronomical Journal</i> , 2018, 155, 227.	4.7	2
20	Fast Radio Burst 121102 Pulse Detection and Periodicity: A Machine Learning Approach. <i>Astrophysical Journal</i> , 2018, 866, 149.	4.5	135
21	Discovery of the Luminous, Decades-long, Extragalactic Radio Transient FIRST J141918.9+394036. <i>Astrophysical Journal Letters</i> , 2018, 866, L22.	8.3	44
22	Vys: A Protocol for Commensal Fast Transient Searches and Data Processing at the Very Large Array. <i>Journal of Astronomical Instrumentation</i> , 2018, 07, .	1.5	1
23	<i>realfast</i> : Real-time, Commensal Fast Transient Surveys with the Very Large Array. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 8.	7.7	46
24	RFI flagging implications for short-duration transients. <i>Astronomy and Computing</i> , 2018, 23, 103-114.	1.7	6
25	Highest Frequency Detection of FRB 121102 at 4–8 GHz Using the Breakthrough Listen Digital Backend at the Green Bank Telescope. <i>Astrophysical Journal</i> , 2018, 863, 2.	4.5	226
26	The Host Galaxy and Redshift of the Repeating Fast Radio Burst FRB 121102. <i>Astrophysical Journal Letters</i> , 2017, 834, L7.	8.3	495
27	A direct localization of a fast radio burst and its host. <i>Nature</i> , 2017, 541, 58-61.	27.8	616
28	The Repeating Fast Radio Burst FRB 121102 as Seen on Milliarcsecond Angular Scales. <i>Astrophysical Journal Letters</i> , 2017, 834, L8.	8.3	300
29	Simultaneous X-Ray, Gamma-Ray, and Radio Observations of the Repeating Fast Radio Burst FRB 121102. <i>Astrophysical Journal</i> , 2017, 846, 80.	4.5	99
30	Simultaneous Monitoring of X-Ray and Radio Variability in Sagittarius A*. <i>Astrophysical Journal</i> , 2017, 845, 35.	4.5	17
31	A Multi-telescope Campaign on FRB 121102: Implications for the FRB Population. <i>Astrophysical Journal</i> , 2017, 850, 76.	4.5	148
32	The Nonhomogeneous Poisson Process for Fast Radio Burst Rates. <i>Astronomical Journal</i> , 2017, 154, 117.	4.7	51
33	FRB 121102 Is Coincident with a Star-forming Region in Its Host Galaxy. <i>Astrophysical Journal Letters</i> , 2017, 843, L8.	8.3	130
34	New methods to constrain the radio transient rate: results from a survey of four fields with LOFAR. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3161-3174.	4.4	25
35	Low-radio-frequency eclipses of the redback pulsar J2215+5135 observed in the image plane with LOFAR. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 2681-2689.	4.4	26
36	LOFAR MSSS: detection of a low-frequency radio transient in 400h of monitoring of the North Celestial Pole. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 2321-2342.	4.4	60

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37	ALMA and VLA measurements of frequency-dependent time lags in Sagittarius A*: evidence for a relativistic outflow. <i>Astronomy and Astrophysics</i> , 2015, 576, A41.	5.1	50
38	The LOFAR Multifrequency Snapshot Sky Survey (MSSS). <i>Astronomy and Astrophysics</i> , 2015, 582, A123.	5.1	85
39	Pulsar polarisation below 200 MHz: Average profiles and propagation effects. <i>Astronomy and Astrophysics</i> , 2015, 576, A62.	5.1	68
40	The LOFAR Transients Pipeline. <i>Astronomy and Computing</i> , 2015, 11, 25-48.	1.7	66
41	A MILLISECOND INTERFEROMETRIC SEARCH FOR FAST RADIO BURSTS WITH THE VERY LARGE ARRAY. <i>Astrophysical Journal</i> , 2015, 807, 16.	4.5	54
42	THE INTRINSIC TWO-DIMENSIONAL SIZE OF SAGITTARIUS A*. <i>Astrophysical Journal</i> , 2014, 790, 1.	4.5	50
43	The LOFAR pilot surveys for pulsars and fast radio transients. <i>Astronomy and Astrophysics</i> , 2014, 570, A60.	5.1	89
44	VAST: An ASKAP Survey for Variables and Slow Transients. <i>Publications of the Astronomical Society of Australia</i> , 2013, 30, .	3.4	88
45	ASGARD: A LARGE SURVEY FOR SLOW GALACTIC RADIO TRANSIENTS. I. OVERVIEW AND FIRST RESULTS. <i>Astrophysical Journal</i> , 2013, 762, 85.	4.5	18
46	LOFAR detections of low-frequency radio recombination lines towards Cassiopeia A. <i>Astronomy and Astrophysics</i> , 2013, 551, L11.	5.1	13
47	LOFAR: The LOw-Frequency ARray. <i>Astronomy and Astrophysics</i> , 2013, 556, A2.	5.1	1,755
48	Wide-band simultaneous observations of pulsars: disentangling dispersion measure and profile variations. <i>Astronomy and Astrophysics</i> , 2012, 543, A66.	5.1	76
49	THE RRAT TRAP: INTERFEROMETRIC LOCALIZATION OF RADIO PULSES FROM J0628+0909. <i>Astrophysical Journal</i> , 2012, 760, 124.	4.5	7
50	ALL TRANSIENTS, ALL THE TIME: REAL-TIME RADIO TRANSIENT DETECTION WITH INTERFEROMETRIC CLOSURE QUANTITIES. <i>Astrophysical Journal</i> , 2012, 749, 143.	4.5	19
51	Rapid Development of Interferometric Software Using MIRIAD and Python. <i>Publications of the Astronomical Society of the Pacific</i> , 2012, 124, 624-636.	3.1	7
52	Primary Beam and Dish Surface Characterization at the Allen Telescope Array by Radio Holography. <i>IEEE Transactions on Antennas and Propagation</i> , 2011, 59, 2004-2021.	5.1	20
53	THE ALLEN TELESCOPE ARRAY TWENTY-CENTIMETER SURVEYâ€™A 700-SQUARE-DEGREE, MULTI-EPOCH RADIO DATA SET. II. INDIVIDUAL EPOCH TRANSIENT STATISTICS. <i>Astrophysical Journal</i> , 2011, 731, 34.	4.5	34
54	Observing pulsars and fast transients with LOFAR. <i>Astronomy and Astrophysics</i> , 2011, 530, A80.	5.1	185

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55	THE ALLEN TELESCOPE ARRAY Pi GHz SKY SURVEY II. DAILY AND MONTHLY MONITORING FOR TRANSIENTS AND VARIABILITY IN THE BOA–TES FIELD. <i>Astrophysical Journal</i> , 2011, 739, 76.	4.5	19
56	Wild at Heart: the particle astrophysics of the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 763-788.	4.4	105
57	An automated archival Very Large Array transients survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 2-10.	4.4	34
58	THE ALLEN TELESCOPE ARRAY Pi GHz SKY SURVEY. I. SURVEY DESCRIPTION AND STATIC CATALOG RESULTS FOR THE BOA–TES FIELD. <i>Astrophysical Journal</i> , 2010, 725, 1792-1804.	4.5	28
59	THE ALLEN TELESCOPE ARRAY TWENTY-CENTIMETER SURVEYâ€”A 690 DEG ² , 12 EPOCH RADIO DATA SET. I. CATALOG AND LONG-DURATION TRANSIENT STATISTICS. <i>Astrophysical Journal</i> , 2010, 719, 45-58.	4.5	50
60	Primary-Beam Shape Calibration from Mosaicked, Interferometric Observations. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 1510-1517.	3.1	3
61	X-Ray Observations of the Sagittarius D H Region toward the Galactic Center with Suzaku. <i>Publication of the Astronomical Society of Japan</i> , 2009, 61, S209-S218.	2.5	15
62	A CATALOG OF X-RAY POINT SOURCES FROM TWO MEGASECONDS OF CHANDRA OBSERVATIONS OF THE GALACTIC CENTER. <i>Astrophysical Journal</i> , Supplement Series, 2009, 181, 110-128.	7.7	147
63	Comparison of 3.6–8.0 μ m Spitzer/IRAC Galactic Center Survey Point Sources with Chandra X-Ray Point Sources in the Central 40–40 Parsecs. <i>Astrophysical Journal</i> , 2008, 685, 958-970.	4.5	4
64	The Mid-Infrared Colors of the Interstellar Medium and Extended Sources at the Galactic Center. <i>Astrophysical Journal</i> , 2008, 682, 384-399.	4.5	18
65	The Cool Supergiant Population of the Massive Young Star Cluster RSGC1. <i>Astrophysical Journal</i> , 2008, 676, 1016-1028.	4.5	97
66	Evidence for a Mass Outflow from Our Galactic Center. <i>Proceedings of the International Astronomical Union</i> , 2007, 3, 407-412.	0.0	0
67	A Neutron Star with a Massive Progenitor in Westerlund 1. <i>Astrophysical Journal</i> , 2006, 636, L41-L44.	4.5	207
68	A mid-infrared survey of the inner 2–1.5 degrees of the Galaxy with Spitzer/IRAC. <i>Journal of Physics: Conference Series</i> , 2006, 54, 176-182.	0.4	59
69	The Stellar Population in the Galactic Center: Insights from the Spitzer Space Telescope. <i>Journal of Physics: Conference Series</i> , 2006, 54, 183-189.	0.4	3
70	Diffuse, Nonthermal X-Ray Emission from the Galactic Star Cluster Westerlund 1. <i>Astrophysical Journal</i> , 2006, 650, 203-211.	4.5	65
71	Comparison of Spitzer/IRAC Galactic Center 3.6-8.0 μ m survey results with X-ray emission in the central 40–40 parsecs. <i>Journal of Physics: Conference Series</i> , 2006, 54, 171-175.	0.4	2
72	The nature of nonthermal X-ray filaments near the galactic center. <i>Advances in Space Research</i> , 2005, 35, 1074-1084.	2.6	23

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73	X-ray Observations of Stellar Clusters Near the Galactic Center. <i>Astrophysical Journal</i> , 2004, 611, 858-870.	4.5	50
74	X-ray Emission from Stellar Clusters Near the Galactic Center. <i>Astronomische Nachrichten</i> , 2003, 324, 271-277.	1.2	1
75	Nonthermal Emission from the Arches Cluster (G0.121+0.017) and the Origin of γ -ray Emission from 3EG J1746-2851. <i>Astrophysical Journal</i> , 2003, 590, L103-L106.	4.5	24
76	Detection of X-ray Emission from the Arches Cluster near the Galactic Center. <i>Astrophysical Journal</i> , 2002, 570, 665-670.	4.5	107
77	The Origin of X-Ray Emission from a Galactic Center Molecular Cloud: Low-Energy Cosmic-Ray Electrons. <i>Astrophysical Journal</i> , 2002, 568, L121-L125.	4.5	67
78	A Comparison of ^{13}CO and CS Emission in the Inner Galaxy. <i>Astrophysical Journal</i> , 2002, 576, 274-284.	4.5	15