Geoffrey Bower

List of Publications by Year in Descending Order

214 papers	14,722 citations	65 h-index	117 g-index
219 ext. papers	18,391 ext. citations	7.7 avg, IF	5.71 L-index

#	Paper	IF	Citations
214	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. *Astrophysical Journal*, **2022**, 925, 13	4.7	2
213	A repeating fast radio burst source in a globular cluster.. *Nature*, **2022**, 602, 585-589	50.4	17
212	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. *Astrophysical Journal Letters*, **2022**, 930, L14	7.9	20
211	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. *Astrophysical Journal Letters*, **2022**, 930, L21	7.9	9
210	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. *Astrophysical Journal Letters*, **2022**, 930, L17	7.9	14
209	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. *Astrophysical Journal Letters*, **2022**, 930, L13	7.9	16
208	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. *Astrophysical Journal Letters*, **2022**, 930, L15	7.9	16
207	First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. *Astrophysical Journal Letters*, **2022**, 930, L12	7.9	23
206	Selective Dynamical Imaging of Interferometric Data. *Astrophysical Journal Letters*, **2022**, 930, L18	7.9	7
205	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. *Astrophysical Journal Letters*, **2022**, 930, L19	7.9	11
204	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. *Astrophysical Journal Letters*, **2022**, 930, L20	7.9	8
203	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. *Astrophysical Journal Letters*, **2022**, 930, L16	7.9	18
202	Nonthermal Radio Continuum Emission from Young Nearby Stars. *Astrophysical Journal*, **2022**, 931, 43	4.7	1
201	The JCMT Transient Survey: Four-year Summary of Monitoring the Submillimeter Variability of Protostars. *Astrophysical Journal*, **2021**, 920, 119	4.7	7
200	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. *Astrophysical Journal Letters*, **2021**, 910, L14	7.9	28
199	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. *Astrophysical Journal Letters*, **2021**, 910, L13	7.9	70
198	Constraints on the Mass Accretion Rate onto the Supermassive Black Hole of Cygnus A Using the Submillimeter Array. *Astrophysical Journal*, **2021**, 911, 35	4.7	

197	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. *Astrophysical Journal Letters*, **2021**, 911, L11	7.9	16
196	Constraints on black-hole charges with the 2017 EHT observations of M87*. *Physical Review D*, **2021**, 103,	4.9	18
195	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. *Astrophysical Journal*, **2021**, 912, 35	4.7	7
194	An 86 GHz Search for Pulsars in the Galactic Center with the Atacama Large Millimeter / submillimeter Array. *Astrophysical Journal*, **2021**, 914, 30	4.7	2
193	Robust Assessment of Clustering Methods for Fast Radio Transient Candidates. *Astrophysical Journal*, **2021**, 914, 53	4.7	2
192	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. *Astrophysical Journal Letters*, **2021**, 910, L12	7.9	58
191	Persistent Non-Gaussian Structure in the Image of Sagittarius A* at 86 GHz. *Astrophysical Journal*, **2021**, 915, 99	4.7	10
190	ALMA and NOEMA constraints on synchrotron nebular emission from embryonic superluminous supernova remnants and radio–gamma-ray connection. *Monthly Notices of the Royal Astronomical Society*, **2021**, 508, 44-51	4.3	6
189	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. *Astrophysical Journal*, **2020**, 897, 139	4.7	24
188	The Karl G. Jansky Very Large Array Sky Survey (VLASS). Science Case and Survey Design. *Publications of the Astronomical Society of the Pacific*, **2020**, 132, 035001	5	137
187	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. *Astronomy and Astrophysics*, **2020**, 640, A69	5.1	21
186	A Distant Fast Radio Burst Associated with Its Host Galaxy by the Very Large Array. *Astrophysical Journal*, **2020**, 899, 161	4.7	34
185	Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. *Astrophysical Journal*, **2020**, 901, 67	4.7	20
184	An Intensity Mapping Detection of Aggregate CO Line Emission at 3 mm. *Astrophysical Journal*, **2020**, 901, 141	4.7	16
183	VLA/Realfast Detection of a Burst from FRB 180916.J0158+65 and Tests for Periodic Activity. *Research Notes of the AAS*, **2020**, 4, 94	0.8	17
182	SYMBA: An end-to-end VLBI synthetic data generation pipeline. *Astronomy and Astrophysics*, **2020**, 636, A5	5.1	7
181	A repeating fast radio burst source localized to a nearby spiral galaxy. *Nature*, **2020**, 577, 190-194	50.4	192
180	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. *Physical Review Letters*, **2020**, 125, 141104	7.4	74

179	Verification of Radiative Transfer Schemes for the EHT. *Astrophysical Journal*, **2020**, 897, 148	4.7	18
178	The Size, Shape, and Scattering of Sagittarius A* at 86 GHz: First VLBI with ALMA. *Astrophysical Journal*, **2019**, 871, 30	4.7	60
177	VLA Observations of Single Pulses from the Galactic Center Magnetar. *Astrophysical Journal*, **2019**, 875, 143	4.7	6
176	FRB 121102 Bursts Show Complex Time–Frequency Structure. *Astrophysical Journal Letters*, **2019**, 876, L23	7.9	158
175	The JCMT Transient Survey: An Extraordinary Submillimeter Flare in the T Tauri Binary System JW 566. *Astrophysical Journal*, **2019**, 871, 72	4.7	9
174	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. *Astrophysical Journal Letters*, **2019**, 875, L3	7.9	267
173	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. *Astrophysical Journal Letters*, **2019**, 875, L2	7.9	325
172	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. *Astrophysical Journal Letters*, **2019**, 875, L4	7.9	411
171	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. *Astrophysical Journal Letters*, **2019**, 875, L1	7.9	1110
170	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. *Astrophysical Journal Letters*, **2019**, 875, L5	7.9	429
169	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. *Astrophysical Journal Letters*, **2019**, 875, L6	7.9	466
168	Micro-arcsecond structure of Sagittarius A* revealed by high-sensitivity 86 GHz VLBI observations. *Astronomy and Astrophysics*, **2019**, 621, A119	5.1	8
167	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. *Astrophysical Journal, Supplement Series*, **2019**, 243, 26	8	96
166	ALMA Observations of the Terahertz Spectrum of Sagittarius A*. *Astrophysical Journal Letters*, **2019**, 881, L2	7.9	26
165	A Search for Late-time Radio Emission and Fast Radio Bursts from Superluminous Supernovae. *Astrophysical Journal*, **2019**, 886, 24	4.7	21
164	Chandra Spectral and Timing Analysis of Sgr A*'s Brightest X-Ray Flares. *Astrophysical Journal*, **2019**, 886, 96	4.7	22
163	Large Magneto-ionic Variations toward the Galactic Center Magnetar, PSR J1745-2900. *Astrophysical Journal Letters*, **2018**, 852, L12	7.9	33
162	An extreme magneto-ionic environment associated with the fast radio burst source FRB 121102. *Nature*, **2018**, 553, 182-185	50.4	252

161	Highest Frequency Detection of FRB 121102 at 4 GHz Using the Breakthrough Listen Digital Backend at the Green Bank Telescope. *Astrophysical Journal*, **2018**, 863, 2	4.7	163
160	The Greenland telescope: Thule operations **2018**,		5
159	A Search for Molecular Gas in the Host Galaxy of FRB 121102. *Astronomical Journal*, **2018**, 155, 227	4.9	1
158	Detection of Bursts from FRB 121102 with the Effelsberg 100 m Radio Telescope at 5 GHz and the Role of Scintillation. *Astrophysical Journal*, **2018**, 863, 150	4.7	29
157	ALMA Polarimetry of Sgr A*: Probing the Accretion Flow from the Event Horizon to the Bondi Radius. *Astrophysical Journal*, **2018**, 868, 101	4.7	40
156	The Scattering and Intrinsic Structure of Sagittarius A* at Radio Wavelengths. *Astrophysical Journal*, **2018**, 865, 104	4.7	45
155	Vys: A Protocol for Commensal Fast Transient Searches and Data Processing at the Very Large Array. *Journal of Astronomical Instrumentation*, **2018**, 07, 1850005	0.8	1
154	realfast: Real-time, Commensal Fast Transient Surveys with the Very Large Array. *Astrophysical Journal, Supplement Series*, **2018**, 236, 8	8	30
153	Detection of Intrinsic Source Structure at ~3 Schwarzschild Radii with Millimeter-VLBI Observations of SAGITTARIUS A*. *Astrophysical Journal*, **2018**, 859, 60	4.7	55
152	The JCMT Transient Survey: Stochastic and Secular Variability of Protostars and Disks In the Submillimeter Region Observed over 18 Months. *Astrophysical Journal*, **2018**, 854, 31	4.7	24
151	The Host Galaxy and Redshift of the Repeating Fast Radio Burst FRB 121102. *Astrophysical Journal Letters*, **2017**, 834, L7	7.9	398
150	A direct localization of a fast radio burst and its host. *Nature*, **2017**, 541, 58-61	50.4	462
149	The Repeating Fast Radio Burst FRB 121102 as Seen on Milliarcsecond Angular Scales. *Astrophysical Journal Letters*, **2017**, 834, L8	7.9	238
148	Simultaneous X-Ray, Gamma-Ray, and Radio Observations of the Repeating Fast Radio Burst FRB 121102. *Astrophysical Journal*, **2017**, 846, 80	4.7	80
147	Simultaneous Monitoring of X-Ray and Radio Variability in Sagittarius A*. *Astrophysical Journal*, **2017**, 845, 35	4.7	13
146	A Multi-telescope Campaign on FRB 121102: Implications for the FRB Population. *Astrophysical Journal*, **2017**, 850, 76	4.7	125
145	The Nonhomogeneous Poisson Process for Fast Radio Burst Rates. *Astronomical Journal*, **2017**, 154, 117	4.9	43
144	What Is the Hidden Depolarization Mechanism in Low-luminosity AGNs?. *Astrophysical Journal Letters*, **2017**, 843, L31	7.9	11

143	The JCMT Transient Survey: Data Reduction and Calibration Methods. *Astrophysical Journal*, **2017**, 843, 55	4.7	20
142	How Do Stars Gain Their Mass? A JCMT/SCUBA-2 Transient Survey of Protostars in Nearby Star-forming Regions. *Astrophysical Journal*, **2017**, 849, 43	4.7	34
141	The JCMT Transient Survey: Identifying Submillimeter Continuum Variability over Several Year Timescales Using Archival JCMT Gould Belt Survey Observations. *Astrophysical Journal*, **2017**, 849, 107	4.7	16
140	FRB 121102 Is Coincident with a Star-forming Region in Its Host Galaxy. *Astrophysical Journal Letters*, **2017**, 843, L8	7.9	98
139	Locating the intense interstellar scattering towards the inner Galaxy. *Monthly Notices of the Royal Astronomical Society*, **2017**, 471, 3563-3576	4.3	21
138	Single Pulses from the Galactic Center Magnetar with the Very Large Array. *Proceedings of the International Astronomical Union*, **2017**, 13, 263-266	0.1	
137	COPSS II: THE MOLECULAR GAS CONTENT OF TEN MILLION CUBIC MEGAPARSECS AT REDSHIFTz~ 3. *Astrophysical Journal*, **2016**, 830, 34	4.7	54
136	VARIABLE RADIO EMISSION FROM THE YOUNG STELLAR HOST OF A HOT JUPITER. *Astrophysical Journal*, **2016**, 830, 107	4.7	31
135	Swift J174540.7−290015: a new accreting binary in the Galactic Centre. *Monthly Notices of the Royal Astronomical Society*, **2016**, 461, 2688-2701	4.3	12
134	ASTROPHYSICS. The screams of a star being ripped apart. *Science*, **2016**, 351, 30-1	33.3	3
133	Radio evolution of supernova SN 2008iz in M 82. *Astronomy and Astrophysics*, **2016**, 593, A18	5.1	9
132	The Greenland Telescope: antenna retrofit status and future plans **2016**,		3
131	TRANSIENT EVENTS IN ARCHIVAL VERY LARGE ARRAY OBSERVATIONS OF THE GALACTIC CENTER. *Astrophysical Journal*, **2016**, 833, 11	4.7	6
130	Asymmetric structure in Sgr A* at 3 mm from closure phase measurements with VLBA, GBT and LMT. *Monthly Notices of the Royal Astronomical Society*, **2016**, 462, 1382-1392	4.3	20
129	PERSISTENT ASYMMETRIC STRUCTURE OF SAGITTARIUS A* ON EVENT HORIZON SCALES. *Astrophysical Journal*, **2016**, 820, 90	4.7	62
128	A MULTIWAVELENGTH STUDY OF THE RELATIVISTIC TIDAL DISRUPTION CANDIDATE SWIFT J2058.4+0516 AT LATE TIMES. *Astrophysical Journal*, **2015**, 805, 68	4.7	42
127	230 GHz VLBI OBSERVATIONS OF M87: EVENT-HORIZON-SCALE STRUCTURE DURING AN ENHANCED VERY-HIGH-ENERGY $gamma $-RAY STATE IN 2012. *Astrophysical Journal*, **2015**, 807, 150	4.7	85
126	Parsec-scale magnetic fields in Arp 220. *Monthly Notices of the Royal Astronomical Society*, **2015**, 447, 1103-1111	4.3	11

125	RADIO AND MILLIMETER MONITORING OF $mathrm{Sgr}$ A?: SPECTRUM, VARIABILITY, AND CONSTRAINTS ON THE G2 ENCOUNTER. *Astrophysical Journal*, **2015**, 802, 69	4.7	90
124	A MILLISECOND INTERFEROMETRIC SEARCH FOR FAST RADIO BURSTS WITH THE VERY LARGE ARRAY. *Astrophysical Journal*, **2015**, 807, 16	4.7	50
123	A BLACK HOLE MASS-VARIABILITY TIMESCALE CORRELATION AT SUBMILLIMETER WAVELENGTHS. *Astrophysical Journal Letters*, **2015**, 811, L6	7.9	10
122	FIRST RESULTS FROM COPSS: THE CO POWER SPECTRUM SURVEY. *Astrophysical Journal*, **2015**, 814, 140	4.7	28
121	ALMA and VLA measurements of frequency-dependent time lags in Sagittarius A*: evidence for a relativistic outflow. *Astronomy and Astrophysics*, **2015**, 576, A41	5.1	43
120	Resolved magnetic-field structure and variability near the event horizon of Sagittarius A. *Science*, **2015**, 350, 1242-5	33.3	144
119	THE PROPER MOTION OF THE GALACTIC CENTER PULSAR RELATIVE TO SAGITTARIUS A*. *Astrophysical Journal*, **2015**, 798, 120	4.7	48
118	A VLBI resolution of the Pleiades distance controversy. *Science*, **2014**, 345, 1029-32	33.3	98
117	TADPOL: A 1.3 mm SURVEY OF DUST POLARIZATION IN STAR-FORMING CORES AND REGIONS. *Astrophysical Journal, Supplement Series*, **2014**, 213, 13	8	158
116	THE ANGULAR BROADENING OF THE GALACTIC CENTER PULSAR SGR J1745-29: A NEW CONSTRAINT ON THE SCATTERING MEDIUM. *Astrophysical Journal Letters*, **2014**, 780, L2	7.9	65
115	An 8 h characteristic time-scale in submillimetre light curves of Sagittarius A*. *Monthly Notices of the Royal Astronomical Society*, **2014**, 442, 2797-2808	4.3	61
114	THE INTRINSIC TWO-DIMENSIONAL SIZE OF SAGITTARIUS A*. *Astrophysical Journal*, **2014**, 790, 1	4.7	45
113	Constraints on long-lived remnants of neutron star binary mergers from late-time radio observations of short duration gamma-ray bursts. *Monthly Notices of the Royal Astronomical Society* , **2014**, 437, 1821-1827	4.3	51
112	PROBING THE PARSEC-SCALE ACCRETION FLOW OF 3C 84 WITH MILLIMETER WAVELENGTH POLARIMETRY. *Astrophysical Journal*, **2014**, 797, 66	4.7	32
111	PULSE BROADENING MEASUREMENTS FROM THE GALACTIC CENTER PULSAR J1745-2900. *Astrophysical Journal Letters*, **2014**, 780, L3	7.9	67
110	A strong magnetic field around the supermassive black hole at the centre of the Galaxy. *Nature*, **2013**, 501, 391-4	50.4	261
109	LATE-TIME RADIO EMISSION FROM X-RAY-SELECTED TIDAL DISRUPTION EVENTS. *Astrophysical Journal*, **2013**, 763, 84	4.7	53
108	Bright radio emission from an ultraluminous stellar-mass microquasar in M 31. *Nature*, **2013**, 493, 187-90	50.4	93

107	FINE-SCALE STRUCTURE OF THE QUASAR 3C 279 MEASURED WITH 1.3 mm VERY LONG BASELINE INTERFEROMETRY. *Astrophysical Journal*, **2013**, 772, 13	4.7	28
106	VAST: An ASKAP Survey for Variables and Slow Transients. *Publications of the Astronomical Society of Australia*, **2013**, 30,	5.5	73
105	ASGARD: A LARGE SURVEY FOR SLOW GALACTIC RADIO TRANSIENTS. I. OVERVIEW AND FIRST RESULTS. *Astrophysical Journal*, **2013**, 762, 85	4.7	18
104	THE ALLEN TELESCOPE ARRAY Pi GHz SKY SURVEY. III. THE ELAIS-N1, COMA, AND LOCKMAN HOLE FIELDS. *Astrophysical Journal*, **2013**, 762, 93	4.7	18
103	MISALIGNMENT OF MAGNETIC FIELDS AND OUTFLOWS IN PROTOSTELLAR CORES. *Astrophysical Journal*, **2013**, 768, 159	4.7	116
102	The Galactic center pulsar SGR J1745−29. *Proceedings of the International Astronomical Union*, **2013**, 9, 444-448	0.1	
101	Allen Telescope Array Multi-frequency Observations of the Sun. *Solar Physics*, **2012**, 277, 431-445	2.6	3
100	COMPARISON OF RADIO-FREQUENCY INTERFERENCE MITIGATION STRATEGIES FOR DISPERSED PULSE DETECTION. *Astrophysical Journal*, **2012**, 747, 141	4.7	5
99	THE ALLEN TELESCOPE ARRAY FLY'S EYE SURVEY FOR FAST RADIO TRANSIENTS. *Astrophysical Journal*, **2012**, 744, 109	4.7	37
98	Rapid Development of Interferometric Software Using MIRIAD and Python. *Publications of the Astronomical Society of the Pacific*, **2012**, 124, 624-636	5	7
97	Jet-launching structure resolved near the supermassive black hole in M87. *Science*, **2012**, 338, 355-8	33.3	304
96	A REVISED VIEW OF THE TRANSIENT RADIO SKY. *Astrophysical Journal*, **2012**, 747, 70	4.7	69
95	THE ALLEN TELESCOPE ARRAY SEARCH FOR ELECTROSTATIC DISCHARGES ON MARS. *Astrophysical Journal*, **2012**, 744, 15	4.7	13
94	THE RRAT TRAP: INTERFEROMETRIC LOCALIZATION OF RADIO PULSES FROM J0628+0909. *Astrophysical Journal*, **2012**, 760, 124	4.7	6
93	ALL TRANSIENTS, ALL THE TIME: REAL-TIME RADIO TRANSIENT DETECTION WITH INTERFEROMETRIC CLOSURE QUANTITIES. *Astrophysical Journal*, **2012**, 749, 143	4.7	18
92	RESOLVING THE INNER JET STRUCTURE OF 1924-292 WITH THE EVENT HORIZON TELESCOPE. *Astrophysical Journal Letters*, **2012**, 757, L14	7.9	15
91	Toward a VLBI resolution of the Pleiades distance controversy. *Proceedings of the International Astronomical Union*, **2012**, 8, 60-65	0.1	2
90	THE ALLEN TELESCOPE ARRAY TWENTY-CENTIMETER SURVEY: A 700-SQUARE-DEGREE, MULTI-EPOCH RADIO DATA SET. II. INDIVIDUAL EPOCH TRANSIENT STATISTICS. *Astrophysical Journal*, **2011**, 731, 34	4.7	30

89	CONSTRAINING THE RATE OF RELATIVISTIC JETS FROM TIDAL DISRUPTIONS USING RADIO SURVEYS. *Astrophysical Journal Letters*, **2011**, 732, L12	7.9	22
88	RADIO INTERFEROMETRIC PLANET SEARCH. II. CONSTRAINTS ON SUB-JUPITER-MASS COMPANIONS TO GJ 896A. *Astrophysical Journal*, **2011**, 740, 32	4.7	21
87	MILLISECOND IMAGING OF RADIO TRANSIENTS WITH THE POCKET CORRELATOR. *Astrophysical Journal*, **2011**, 742, 12	4.7	17
86	THE 2010 MAY FLARING EPISODE OF CYGNUS X-3 IN RADIO, X-RAYS, AND □RAYS. *Astrophysical Journal Letters*, **2011**, 733, L20	7.9	17
85	A SEARCH FOR RADIO TRANSIENTS IN VERY LARGE ARRAY ARCHIVAL IMAGES OF THE 3C 286 FIELD. *Astrophysical Journal Letters*, **2011**, 728, L14	7.9	30
84	X-RAY OBSERVATIONS OF RADIO TRANSIENTS WITHOUT OPTICAL HOSTS. *Astrophysical Journal*, **2011**, 740, 87	4.7	3
83	THE TWO STATES OF Sgr A* IN THE NEAR-INFRARED: BRIGHT EPISODIC FLARES ON TOP OF LOW-LEVEL CONTINUOUS VARIABILITY. *Astrophysical Journal*, **2011**, 728, 37	4.7	87
82	SPECTROPOLARIMETRY WITH THE ALLEN TELESCOPE ARRAY: FARADAY ROTATION TOWARD BRIGHT POLARIZED RADIO GALAXIES. *Astrophysical Journal*, **2011**, 728, 57	4.7	27
81	THE ALLEN TELESCOPE ARRAY Pi GHz SKY SURVEY II. DAILY AND MONTHLY MONITORING FOR TRANSIENTS AND VARIABILITY IN THE BO□ES FIELD. *Astrophysical Journal*, **2011**, 739, 76	4.7	18
80	. *IEEE Transactions on Antennas and Propagation*, **2011**, 59, 2004-2021	4.9	18
79	A possible relativistic jetted outburst from a massive black hole fed by a tidally disrupted star. *Science*, **2011**, 333, 203-6	33.3	380
78	1.3 mm WAVELENGTH VLBI OF SAGITTARIUS A*: DETECTION OF TIME-VARIABLE EMISSION ON EVENT HORIZON SCALES. *Astrophysical Journal Letters*, **2011**, 727, L36	7.9	162
77	An extremely luminous panchromatic outburst from the nucleus of a distant galaxy. *Science*, **2011**, 333, 199-202	33.3	254
76	EVALUATING THE CALORIMETER MODEL WITH BROADBAND, CONTINUOUS SPECTRA OF STARBURST GALAXIES OBSERVED WITH THE ALLEN TELESCOPE ARRAY. *Astrophysical Journal*, **2010**, 710, 1462-1479	4.7	40
75	Gamma-ray emission concurrent with the nova in the symbiotic binary V407 Cygni. *Science*, **2010**, 329, 817-21	33.3	138
74	Primary-Beam Shape Calibration from Mosaicked, Interferometric Observations. *Publications of the Astronomical Society of the Pacific*, **2010**, 122, 1510-1517	5	3
73	The Commensal Real-Time ASKAP Fast-Transients (CRAFT) Survey. *Publications of the Astronomical Society of Australia*, **2010**, 27, 272-282	5.5	68
72	The jet in the galactic center: An ideal laboratory for magnetohydrodynamics and general relativity. *Proceedings of the International Astronomical Union*, **2010**, 6, 68-76	0.1	2

71	THE ALLEN TELESCOPE ARRAY Pi GHz SKY SURVEY. I. SURVEY DESCRIPTION AND STATIC CATALOG RESULTS FOR THE BOTES FIELD. *Astrophysical Journal*, **2010**, 725, 1792-1804	4.7	26
70	THE ALLEN TELESCOPE ARRAY TWENTY-CENTIMETER SURVEYA 690 DEG2, 12 EPOCH RADIO DATA SET. I. CATALOG AND LONG-DURATION TRANSIENT STATISTICS. *Astrophysical Journal*, **2010**, 719, 45-58	4.7	48
69	VLBI observations of SN 2008iz. *Astronomy and Astrophysics*, **2010**, 516, A27	5.1	27
68	Jet-lag in SagittariusA*: what size and timing measurements tell us about the central black hole in the Milky Way. *Astronomy and Astrophysics*, **2009**, 496, 77-83	5.1	51
67	RADIO INTERFEROMETRIC PLANET SEARCH. I. FIRST CONSTRAINTS ON PLANETARY COMPANIONS FOR NEARBY, LOW-MASS STARS FROM RADIO ASTROMETRY. *Astrophysical Journal*, **2009**, 701, 1922-1939	4.7	43
66	The Allen Telescope Array: The First Widefield, Panchromatic, Snapshot Radio Camera for Radio Astronomy and SETI. *Proceedings of the IEEE*, **2009**, 97, 1438-1447	14.3	94
65	A CATALOG OF X-RAY POINT SOURCES FROM TWO MEGASECONDS OF CHANDRA OBSERVATIONS OF THE GALACTIC CENTER. *Astrophysical Journal, Supplement Series*, **2009**, 181, 110-128	8	135
64	SIMULTANEOUS MULTI-WAVELENGTH OBSERVATIONS OF Sgr A* DURING 2007 APRIL 1-11. *Astrophysical Journal*, **2009**, 706, 348-375	4.7	86
63	Modeling mm- to X-ray flare emission from Sagittarius A*. *Astronomy and Astrophysics*, **2009**, 500, 935-946	5.1	44
62	Discovery of a bright radio transient in M 82: a new radio supernova?. *Astronomy and Astrophysics*, **2009**, 499, L17-L20	5.1	26
61	Event-horizon-scale structure in the supermassive black hole candidate at the Galactic Centre. *Nature*, **2008**, 455, 78-80	50.4	581
60	An X-Ray, Infrared, and Submillimeter Flare of Sagittarius A*. *Astrophysical Journal*, **2008**, 682, 373-383	4.7	148
59	Results from an Extensive Simultaneous Broadband Campaign on the Underluminous Active Nucleus M81*: Further Evidence for Mass-scaling Accretion in Black Holes. *Astrophysical Journal*, **2008**, 681, 905-924	4.7	79
58	How to hide large-scale outflows: size constraints on the jets of Sgr A. *Monthly Notices of the Royal Astronomical Society*, **2007**, 379, 1519-1532	4.3	74
57	Astronomy. Mining for the ephemeral. *Science*, **2007**, 318, 759-60	33.3	3
56	The possibility of detecting SagittariusA* at 8.6$,mu$m from sensitive imaging of the Galactic center. *Astronomy and Astrophysics*, **2007**, 462, L1-L4	5.1	25
55	A Parallactic Distance of documentclass{aastex} usepackage{amsbsy} usepackage{amsfonts} usepackage{amssymb} usepackage{bm} usepackage{mathrsfs} usepackage{pifont} usepackage{stmaryrd} usepackage{textcomp} usepackage{portland,xspace} usepackage{amsmath,amsxtra} usepackage[OT2,OT1]{fontenc} newcommandcyr{ renewcommandrmdefault{wncyr} renewcommandsfdefault{wncyss} renewcommandencodingdefault{OT2} normalfont selectfont} DeclareTextFontCommand{textcyr}{cyr} pagestyle{empty} DeclareMath. *Astrophysical Journal*, **2007**, 667, 1161-1169	4.7	131
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53	Isolated, Massive Supergiants near the Galactic Center. *Astrophysical Journal*, **2006**, 638, 183-190	4.7	31
52	The flare activity of Sagittarius A*. *Astronomy and Astrophysics*, **2006**, 450, 535-555	5.1	157
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