

# Mark A Gurwell

## List of Publications by Year in descending order

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225  
papers

20,587  
citations

12303

69  
h-index

10424

139  
g-index

228  
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228  
docs citations

228  
times ranked

8333  
citing authors

#	ARTICLE	IF	CITATIONS
1	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L1.	3.0	2,264
2	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L6.	3.0	897
3	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5.	3.0	814
4	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4.	3.0	806
5	THE SPECTRAL ENERGY DISTRIBUTION OF <i>FERMI</i> BRIGHT BLAZARS. <i>Astrophysical Journal</i> , 2010, 716, 30-70.	1.6	741
6	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2.	3.0	618
7	First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. <i>Astrophysical Journal Letters</i> , 2022, 930, L12.	3.0	568
8	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019, 875, L3.	3.0	519
9	A dust-obscured massive maximum-starburst galaxy at a redshift of 6.34. <i>Nature</i> , 2013, 496, 329-333.	13.7	474
10	PROBING THE INNER JET OF THE QUASAR PKS 1510+089 WITH MULTI-WAVEBAND MONITORING DURING STRONG GAMMA-RAY ACTIVITY. <i>Astrophysical Journal Letters</i> , 2010, 710, L126-L131.	3.0	353
11	Jet-Launching Structure Resolved Near the Supermassive Black Hole in M87. <i>Science</i> , 2012, 338, 355-358.	6.0	336
12	The Detection of a Population of Submillimeter-Bright, Strongly Lensed Galaxies. <i>Science</i> , 2010, 330, 800-804.	6.0	330
13	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021, 910, L13.	3.0	297
14	Intense star formation within resolved compact regions in a galaxy at $z = 2.3$ . <i>Nature</i> , 2010, 464, 733-736.	13.7	293
15	A change in the optical polarization associated with a $\gamma$ -ray flare in the blazar 3C 279. <i>Nature</i> , 2010, 463, 919-923.	13.7	269
16	<i>FERMI</i> LARGE AREA TELESCOPE OBSERVATIONS OF MARKARIAN 421: THE MISSING PIECE OF ITS SPECTRAL ENERGY DISTRIBUTION. <i>Astrophysical Journal</i> , 2011, 736, 131.	1.6	261
17	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021, 910, L12.	3.0	215
18	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022, 930, L17.	3.0	215

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19	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , 2020, 125, 141104.	2.9	190
20	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L16.	3.0	187
21	INSIGHTS INTO THE HIGH-ENERGY $\hat{\gamma}$ -RAY EMISSION OF MARKARIAN 501 FROM EXTENSIVE MULTIFREQUENCY OBSERVATIONS IN THE <i>FERMI</i> ERA. <i>Astrophysical Journal</i> , 2011, 727, 129.	1.6	185
22	Deep Impact: Observations from a Worldwide Earth-Based Campaign. <i>Science</i> , 2005, 310, 265-269.	6.0	182
23	Resolved magnetic-field structure and variability near the event horizon of Sagittarius A*. <i>Science</i> , 2015, 350, 1242-1245.	6.0	176
24	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 26.	3.0	175
25	LOCATION OF $\hat{\gamma}$ -RAY FLARE EMISSION IN THE JET OF THE BL LACERTAE OBJECT OJ287 MORE THAN 14 pc FROM THE CENTRAL ENGINE. <i>Astrophysical Journal Letters</i> , 2011, 726, L13.	3.0	171
26	1.3 mm WAVELENGTH VLBI OF SAGITTARIUS A*: DETECTION OF TIME-VARIABLE EMISSION ON EVENT HORIZON SCALES. <i>Astrophysical Journal Letters</i> , 2011, 727, L36.	3.0	169
27	FLARING BEHAVIOR OF THE QUASAR 3C 454.3 ACROSS THE ELECTROMAGNETIC SPECTRUM. <i>Astrophysical Journal</i> , 2010, 715, 362-384.	1.6	166
28	GRAVITATIONAL LENS MODELS BASED ON SUBMILLIMETER ARRAY IMAGING OF <i>HERSCHEL</i> -SELECTED STRONGLY LENSED SUB-MILLIMETER GALAXIES AT $z \approx 1.5$ . <i>Astrophysical Journal</i> , 2013, 779, 25.	1.6	163
29	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L14.	3.0	163
30	GAS AND DUST IN A SUBMILLIMETER GALAXY AT $z = 4.24$ FROM THE <i>HERSCHEL</i> ATLAS. <i>Astrophysical Journal</i> , 2011, 740, 63.	1.6	156
31	Evidence for a Population of High-Redshift Submillimeter Galaxies from Interferometric Imaging. <i>Astrophysical Journal</i> , 2007, 671, 1531-1537.	1.6	156
32	THE STRUCTURE AND EMISSION MODEL OF THE RELATIVISTIC JET IN THE QUASAR 3C 279 INFERRED FROM RADIO TO HIGH-ENERGY $\hat{\gamma}$ -RAY OBSERVATIONS IN 2008-2010. <i>Astrophysical Journal</i> , 2012, 754, 114.	1.6	152
33	RAPID VARIABILITY OF BLAZAR 3C 279 DURING FLARING STATES IN 2013~2014 WITH JOINT <i>FERMI</i> -LAT, <i>NuSTAR</i> , <i>SWIFT</i> , AND GROUND-BASED MULTI-WAVELENGTH OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 807, 79.	1.6	151
34	HerMES: CANDIDATE GRAVITATIONALLY LENSED GALAXIES AND LENSING STATISTICS AT SUBMILLIMETER WAVELENGTHS. <i>Astrophysical Journal</i> , 2013, 762, 59.	1.6	147
35	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022, 930, L13.	3.0	142
36	A TIGHT CONNECTION BETWEEN GAMMA-RAY OUTBURSTS AND PARSEC-SCALE JET ACTIVITY IN THE QUASAR 3C 454.3. <i>Astrophysical Journal</i> , 2013, 773, 147.	1.6	141

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37	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , 2022, 930, L15.	3.0	137
38	Constraints on black-hole charges with the 2017 EHT observations of M87*. <i>Physical Review D</i> , 2021, 103, .	1.6	126
39	The rapid assembly of an elliptical galaxy of 400 billion solar masses at a redshift of 2.3. <i>Nature</i> , 2013, 498, 338-341.	13.7	119
40	A bright $z = 5.2$ lensed submillimeter galaxy in the field of Abell 773. <i>Astronomy and Astrophysics</i> , 2012, 538, L4.	2.1	118
41	Blazar spectral variability as explained by a twisted inhomogeneous jet. <i>Nature</i> , 2017, 552, 374-377.	13.7	112
42	ON THE LOCATION OF THE $\gamma$ -RAY OUTBURST EMISSION IN THE BL LACERTAE OBJECT AO 0235+164 THROUGH OBSERVATIONS ACROSS THE ELECTROMAGNETIC SPECTRUM. <i>Astrophysical Journal Letters</i> , 2011, 735, L10.	3.0	109
43	The Physical Scale of the Far-Infrared Emission in the Most Luminous Submillimeter Galaxies. <i>Astrophysical Journal</i> , 2008, 688, 59-66.	1.6	108
44	Bright radio emission from an ultraluminous stellar-mass microquasar in M 31. <i>Nature</i> , 2013, 493, 187-190.	13.7	108
45	Results of WEBT, VLBA and RXTE monitoring of 3C 279 during 2006–2007. <i>Astronomy and Astrophysics</i> , 2008, 492, 389-400.	2.1	107
46	Submillimeter Observations of Titan: Global Measures of Stratospheric Temperature, CO, HCN, HC 3 N, and the Isotopic Ratios $^{12}\text{C}/^{13}\text{C}$ and $^{14}\text{N}/^{15}\text{N}$ . <i>Astrophysical Journal</i> , 2004, 616, L7-L10.	1.6	99
47	FERMI LARGE AREA TELESCOPE AND MULTI-WAVELENGTH OBSERVATIONS OF THE FLARING ACTIVITY OF PKS 1510-089 BETWEEN 2008 SEPTEMBER AND 2009 JUNE. <i>Astrophysical Journal</i> , 2010, 721, 1425-1447.	1.6	99
48	RADIO AND MILLIMETER MONITORING OF $\text{Sgr} A^*$ : SPECTRUM, VARIABILITY, AND CONSTRAINTS ON THE G2 ENCOUNTER. <i>Astrophysical Journal</i> , 2015, 802, 69.	1.6	99
49	230 GHz VLBI OBSERVATIONS OF M87: EVENT HORIZON SCALE STRUCTURE DURING AN ENHANCED VERY-HIGH-ENERGY $\gamma$ RAY STATE IN 2012. <i>Astrophysical Journal</i> , 2015, 807, 150.	1.6	98
50	The awakening of BL Lacertae: observations by Fermi, Swift and the GASP-WEBT.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 1530-1545.	1.6	97
51	The Herschel-ATLAS: a sample of 500 $\mu\text{m}$ -selected lensed galaxies over $600^\circ \times 2^\circ$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 3558-3580.	1.6	96
52	PANCHROMATIC OBSERVATIONS OF SN 2011dh POINT TO A COMPACT PROGENITOR STAR. <i>Astrophysical Journal</i> , 2012, 752, 78.	1.6	94
53	CONNECTION BETWEEN THE ACCRETION DISK AND JET IN THE RADIO GALAXY 3C 111. <i>Astrophysical Journal</i> , 2011, 734, 43.	1.6	92
54	Unprecedented study of the broadband emission of Mrk 421 during flaring activity in March 2010. <i>Astronomy and Astrophysics</i> , 2015, 578, A22.	2.1	92

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55	HerMES: CANDIDATE HIGH-REDSHIFT GALAXIES DISCOVERED WITH <i>HERSCHEL</i> /SPIRE, <i>Astrophysical Journal</i> , 2014, 780, 75.	1.6	92
56	A COMPREHENSIVE VIEW OF A STRONGLY LENSED <i>PLANCK</i> -ASSOCIATED SUBMILLIMETER GALAXY. <i>Astrophysical Journal</i> , 2012, 753, 134.	1.6	89
57	Detection of CO and HCN in Pluto's atmosphere with ALMA. <i>Icarus</i> , 2017, 286, 289-307.	1.1	89
58	MULTIWAVELENGTH OBSERVATIONS OF 3C 454.3. III. EIGHTEEN MONTHS OF AGILE MONITORING OF THE "CRAZY DIAMOND". <i>Astrophysical Journal</i> , 2010, 712, 405-420.	1.6	88
59	DISCOVERY OF A MULTIPLY LENSED SUBMILLIMETER GALAXY IN EARLY HerMES <i>HERSCHEL</i> /SPIRE <sup>*</sup> DATA. <i>Astrophysical Journal Letters</i> , 2011, 732, L35.	3.0	86
60	[C II] AND <sup>12</sup> CO(1-0) EMISSION MAPS IN HLSJ091828.6+514223: A STRONGLY LENSED INTERACTING SYSTEM AT $z = 5.24$ . <i>Astrophysical Journal</i> , 2014, 783, 59.	1.6	86
61	A new activity phase of the blazar 3C 454.3. <i>Astronomy and Astrophysics</i> , 2008, 491, 755-766.	2.1	85
62	THE AzTEC/SMA INTERFEROMETRIC IMAGING SURVEY OF SUBMILLIMETER-SELECTED HIGH-REDSHIFT GALAXIES. <i>Astrophysical Journal</i> , 2009, 704, 803-812.	1.6	84
63	Radio to gamma-ray variability study of blazar S5 0716+714. <i>Astronomy and Astrophysics</i> , 2013, 552, A11.	2.1	83
64	RAPID TeV GAMMA-RAY FLARING OF BL LACERTAE. <i>Astrophysical Journal</i> , 2013, 762, 92.	1.6	80
65	THE BRIGHTEST GAMMA-RAY FLARING BLAZAR IN THE SKY: <i>AGILE</i> AND MULTI-WAVELENGTH OBSERVATIONS OF 3C 454.3 DURING 2010 NOVEMBER. <i>Astrophysical Journal Letters</i> , 2011, 736, L38.	3.0	75
66	MULTIWAVELENGTH VARIATIONS OF 3C 454.3 DURING THE 2010 NOVEMBER TO 2011 JANUARY OUTBURST. <i>Astrophysical Journal</i> , 2012, 758, 72.	1.6	75
67	Physical conditions of the interstellar medium of high-redshift, strongly lensed submillimetre galaxies from the "Herschel-ATLAS".... <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 3473-3484.	1.6	73
68	MULTI-WAVELENGTH OBSERVATIONS OF THE FLARING GAMMA-RAY BLAZAR 3C 66A IN 2008 OCTOBER. <i>Astrophysical Journal</i> , 2011, 726, 43.	1.6	70
69	MAGIC gamma-ray and multi-frequency observations of flat spectrum radio quasar PKS 1510+089 in early 2012. <i>Astronomy and Astrophysics</i> , 2014, 569, A46.	2.1	70
70	Interferometric 890 $\mu$ m Images of High-Redshift Submillimeter Galaxies. <i>Astrophysical Journal</i> , 2006, 640, L1-L4.	1.6	69
71	Another look at the BL Lacertae flux and spectral variability. <i>Astronomy and Astrophysics</i> , 2010, 524, A43.	2.1	68
72	The long-lasting activity of 3C 454.3. <i>Astronomy and Astrophysics</i> , 2011, 534, A87.	2.1	67

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73	Detection of Intrinsic Source Structure at $\sim 1/3$ Schwarzschild Radii with Millimeter-VLBI Observations of SAGITTARIUS A*. <i>Astrophysical Journal</i> , 2018, 859, 60.	1.6	67
74	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021, 910, L14.	3.0	67
75	Sublimation from icy jets as a probe of the interstellar volatile content of comets. <i>Nature</i> , 1999, 398, 213-216.	13.7	66
76	PERSISTENT ASYMMETRIC STRUCTURE OF SAGITTARIUS A* ON EVENT HORIZON SCALES. <i>Astrophysical Journal</i> , 2016, 820, 90.	1.6	65
77	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> , 2021, 5, 1017-1028.	4.2	65
78	The GASP-WEBT monitoring of 3C 454.3 during the 2008 optical-to-radio and $\hat{\gamma}$ -ray outburst. <i>Astronomy and Astrophysics</i> , 2009, 504, L9-L12.	2.1	63
79	AGILE detection of extreme $\hat{\gamma}$ -ray activity from the blazar PKS 1510-089 during March 2009. <i>Astronomy and Astrophysics</i> , 2011, 529, A145.	2.1	62
80	Extreme jet ejections from the black hole X-ray binary V404 Cygni. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 3141-3162.	1.6	62
81	Location of $\hat{\gamma}$ -ray emission and magnetic field strengths in OJ 287. <i>Astronomy and Astrophysics</i> , 2017, 597, A80.	2.1	61
82	Interferometric imaging of the high-redshift radio galaxy, 4C 60.07: an SMA, Spitzer and VLA study reveals a binary AGN/starburst. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 390, 1117-1126.	1.6	59
83	DYNAMICAL STRUCTURE OF THE MOLECULAR INTERSTELLAR MEDIUM IN AN EXTREMELY BRIGHT, MULTIPLY LENSED $z \sim 3$ SUBMILLIMETER GALAXY DISCOVERED WITH <i>HERSCHEL</i> . <i>Astrophysical Journal Letters</i> , 2011, 733, L12.	3.0	56
84	Variability of the blazar 4C 38.41 (B3 1633+382) from GHz frequencies to GeV energies. <i>Astronomy and Astrophysics</i> , 2012, 545, A48.	2.1	56
85	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021, 911, L11.	3.0	56
86	WEBT multiwavelength monitoring and XMM-Newton observations of $\hat{\gamma}$ -BL Lacertae in 2007-2008. <i>Astronomy and Astrophysics</i> , 2009, 507, 769-779.	2.1	56
87	MULTI-WAVELENGTH OBSERVATIONS OF BLAZAR AO 0235+164 IN THE 2008-2009 FLARING STATE. <i>Astrophysical Journal</i> , 2012, 751, 159.	1.6	54
88	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , 2020, 640, A69.	2.1	54
89	SWAS observations of water vapor in the Venus mesosphere. <i>Icarus</i> , 2007, 188, 288-304.	1.1	52
90	The high activity of 3C 454.3 in autumn 2007. <i>Astronomy and Astrophysics</i> , 2008, 485, L17-L20.	2.1	52

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91	THE 2009 DECEMBER GAMMA-RAY FLARE OF 3C 454.3: THE MULTIFREQUENCY CAMPAIGN. <i>Astrophysical Journal Letters</i> , 2010, 716, L170-L175.	3.0	52
92	A STRONG RADIO BRIGHTENING AT THE JET BASE OF M 87 DURING THE ELEVATED VERY HIGH ENERGY GAMMA-RAY STATE IN 2012. <i>Astrophysical Journal</i> , 2014, 788, 165.	1.6	52
93	Catching the radio flare in CTA%102. <i>Astronomy and Astrophysics</i> , 2011, 531, A95.	2.1	51
94	A MULTI-WAVELENGTH POLARIMETRIC STUDY OF THE BLAZAR CTA 102 DURING A GAMMA-RAY FLARE IN 2012. <i>Astrophysical Journal</i> , 2015, 813, 51.	1.6	51
95	Monitoring the Morphology of M87* in 2009â€“2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 901, 67.	1.6	51
96	No evidence of phosphine in the atmosphere of Venus from independent analyses. <i>Nature Astronomy</i> , 2021, 5, 631-635.	4.2	50
97	Observations of the CO Bulge on Venus and Implications for Mesospheric Winds. <i>Icarus</i> , 1995, 115, 141-158.	1.1	49
98	Radio-to-UV monitoring of AO 0235+164 by the WEBT and Swift during the 2006â€“2007 outburst. <i>Astronomy and Astrophysics</i> , 2008, 480, 339-347.	2.1	49
99	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 897, 139.	1.6	47
100	SMA <sup>12</sup> CO( <i>J</i> = 6 â€“ 5) AND 435 Î¼m INTERFEROMETRIC IMAGING OF THE NUCLEAR REGION OF Arp 220. <i>Astrophysical Journal</i> , 2009, 693, 56-68.	1.6	46
101	Submillimeter Array 440 Î¼m/690 GHz Line and Continuum Observations of Orion KL. <i>Astrophysical Journal</i> , 2006, 636, 323-331.	1.6	45
102	A DETAILED GRAVITATIONAL LENS MODEL BASED ON SUBMILLIMETER ARRAY AND KECK ADAPTIVE OPTICS IMAGING OF A HERSCHEL-ATLAS SUBMILLIMETER GALAXY AT $z=4.243$ . <i>Astrophysical Journal</i> , 2012, 756, 134.	1.6	45
103	Early Science with the Large Millimeter Telescope: CO and [C <sub>2</sub> H] Emission in the $z=4.3$ AzTEC J095942.9+022938 (COSMOS AzTEC-1). <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 3485-3499.	1.6	44
104	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020, 897, 148.	1.6	44
105	[ITAL]Submillimeter Wave Astronomy Satellite[/ITAL] Observations of Jupiter and Saturn: Detection of 557 GHz [CLC] Water Emission from the Upper Atmosphere. <i>Astrophysical Journal</i> , 2000, 539, L147-L150.	1.6	44
106	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021, 912, 35.	1.6	43
107	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022, 930, L19.	3.0	43
108	Sub-arcsecond (Sub)millimeter Imaging of the Massive Protocluster G358.93âˆ’0.03: Discovery of 14 New Methanol Maser Lines Associated with a Hot Core. <i>Astrophysical Journal Letters</i> , 2019, 881, L39.	3.0	41

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109	AGILE detection of a rapid $\gamma$ -ray flare from the blazar PKS 1510-089 during the GASP-WEBT monitoring. <i>Astronomy and Astrophysics</i> , 2009, 508, 181-189.	2.1	41
110	Multiwavelength behaviour of the blazar 3C279: decade-long study from $\gamma$ -ray to radio. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 3829-3848.	1.6	40
111	CO on Titan: Evidence for a Well-Mixed Vertical Profile. <i>Icarus</i> , 1995, 117, 375-382.	1.1	39
112	Efficient detection of brown dwarfs using methane-band imaging. <i>Nature</i> , 1996, 384, 243-244.	13.7	36
113	[ITAL]Submillimeter Wave Astronomy Satellite[/ITAL] Observations of the Martian Atmosphere: Temperature and Vertical Distribution of Water Vapor. <i>Astrophysical Journal</i> , 2000, 539, L143-L146.	1.6	36
114	A non-thermal study of the brightest cluster galaxy NGC1275 – the Gamma-Radio connection over four decades. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 2048-2057.	1.6	36
115	Infrared observations of the flaring maser source G358.93 $\pm$ 0.03. <i>Astronomy and Astrophysics</i> , 2021, 646, A161.	2.1	36
116	Rapid Variability of Sgr A* across the Electromagnetic Spectrum. <i>Astrophysical Journal</i> , 2021, 917, 73.	1.6	35
117	The thermal emission of Centaurs and trans-Neptunian objects at millimeter wavelengths from ALMA observations. <i>Astronomy and Astrophysics</i> , 2017, 608, A45.	2.1	34
118	CO on Titan: More Evidence for a Well-Mixed Vertical Profile. <i>Icarus</i> , 2000, 145, 653-656.	1.1	33
119	Submillimeter Wave Astronomy Satellite Performance on the ground and in orbit. <i>Astrophysical Journal, Supplement Series</i> , 2004, 152, 137-162.	3.0	33
120	MULTIFREQUENCY STUDIES OF THE PECULIAR QUASAR 4C+21.35 DURING THE 2010 FLARING ACTIVITY. <i>Astrophysical Journal</i> , 2014, 786, 157.	1.6	33
121	Mars surface and atmospheric temperature during the 2001 global dust storm. <i>Icarus</i> , 2005, 175, 23-31.	1.1	32
122	Long-term monitoring of PKS 0537 $\pm$ 441 with Fermi-LAT and multiwavelength observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 2481-2492.	1.6	32
123	Multiwavelength behaviour of the blazar OJ 248 from radio to $\gamma$ -rays.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 2677-2691.	1.6	32
124	Multi-wavelength characterization of the blazar S5 0716+714 during an unprecedented outburst phase. <i>Astronomy and Astrophysics</i> , 2018, 619, A45.	2.1	32
125	The physical scale of the far-infrared emission in the most luminous submillimetre galaxies - II. Evidence for merger-driven star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 407, 1268-1276.	1.6	30
126	FINE-SCALE STRUCTURE OF THE QUASAR 3C 279 MEASURED WITH 1.3 mm VERY LONG BASELINE INTERFEROMETRY. <i>Astrophysical Journal</i> , 2013, 772, 13.	1.6	30



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127	Exploring the nature of the broadband variability in the flat spectrum radio quasar 3C 273. <i>Astronomy and Astrophysics</i> , 2016, 590, A61.	2.1	30
128	ERRATIC FLARING OF BL LAC IN 2012â€“2013: MULTI-WAVELENGTH OBSERVATIONS. <i>Astrophysical Journal</i> , 2016, 816, 53.	1.6	30
129	Evolution of deuterium on Venus. <i>Nature</i> , 1995, 378, 22-23.	13.7	29
130	First Detection of Millimeter/Submillimeter Extragalactic H <sub>2</sub> O Maser Emission. <i>Astrophysical Journal</i> , 2005, 634, L133-L136.	1.6	29
131	SIX YEARS OF FERMI-LAT AND MULTI-WAVELENGTH MONITORING OF THE BROAD-LINE RADIO GALAXY 3C 120: JET DISSIPATION AT SUB-PARSEC SCALES FROM THE CENTRAL ENGINE. <i>Astrophysical Journal Letters</i> , 2015, 799, L18.	3.0	29
132	KVN observations reveal multiple $\hat{\nu}^3$ -ray emission regions in 3C 47. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 368-378.	1.6	29
133	Mass Assembly of Stellar Systems and Their Evolution with the SMA (MASSES)â€™ 1.3 mm Subcompact Data Release. <i>Astrophysical Journal, Supplement Series</i> , 2018, 237, 22.	3.0	29
134	The hypersoft state of Cygnus X-3. <i>Astronomy and Astrophysics</i> , 2018, 612, A27.	2.1	29
135	An intense thermospheric jet on Titan. <i>Nature Astronomy</i> , 2019, 3, 614-619.	4.2	29
136	Fractionation of hydrogen and deuterium on Venus due to collisional ejection. <i>Planetary and Space Science</i> , 1993, 41, 91-104.	0.9	28
137	The multifrequency campaign on 3C 279 in January 2006. <i>Astronomy and Astrophysics</i> , 2010, 522, A66.	2.1	28
138	MULTI-WAVELENGTH OBSERVATIONS OF THE GAMMA-RAY BLAZAR PKS 0528+134 IN QUIESCENCE. <i>Astrophysical Journal</i> , 2011, 735, 60.	1.6	28
139	Early Science with the Large Millimeter Telescope: observations of dust continuum and CO emission lines of cluster-lensed submillimetre galaxies at $z=2.0$ â€“4.7. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 1140-1151.	1.6	28
140	High-resolution SMA imaging of bright submillimetre sources from the SCUBA-2 Cosmology Legacy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2042-2067.	1.6	28
141	Constraining particle acceleration in Sgr A <sup>*</sup> with simultaneous GRAVITY, Spitzer, NuSTAR, and Chandra observations. <i>Astronomy and Astrophysics</i> , 2021, 654, A22.	2.1	28
142	Simultaneous mapping of SO <sub>2</sub> , SO, NaCl in Io's atmosphere with the Submillimeter Array. <i>Icarus</i> , 2010, 208, 353-365.	1.1	27
143	MODELING OF THE HERMES SUBMILLIMETER SOURCE LENSED BY A DARK MATTER DOMINATED FOREGROUND GROUP OF GALAXIES. <i>Astrophysical Journal</i> , 2011, 738, 125.	1.6	27
144	First disk-resolved millimeter observations of Io's surface and SO <sub>2</sub> atmosphere. <i>Astronomy and Astrophysics</i> , 2008, 482, 279-292.	2.1	26

#	ARTICLE	IF	CITATIONS
145	The H II regions of M101. I - an atlas of 1264 emission regions. <i>Astrophysical Journal, Supplement Series</i> , 1990, 73, 661.	3.0	26
146	Observational constraints on the physical nature of submillimetre source multiplicity: chance projections are common. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 2278-2287.	1.6	25
147	The H II regions of IC 1613. <i>Publications of the Astronomical Society of the Pacific</i> , 1990, 102, 1245.	1.0	25
148	EXPLORING IO'S ATMOSPHERIC COMPOSITION WITH APEX: FIRST MEASUREMENT OF $\text{SO}_2$ AND TENTATIVE DETECTION OF KCl. <i>Astrophysical Journal</i> , 2013, 776, 32.	1.6	24
149	IDENTIFICATION OF TWO BRIGHT $z > 3$ SUBMILLIMETER GALAXY CANDIDATES IN THE COSMOS FIELD. <i>Astrophysical Journal Letters</i> , 2010, 719, L15-L19.	3.0	23
150	Planck intermediate results. <i>Astronomy and Astrophysics</i> , 2016, 596, A106.	2.1	23
151	Two sub-millimetre bright protoclusters bounding the epoch of peak star-formation activity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 1790-1812.	1.6	23
152	What can the 2008/10 broadband flare of PKS 1502+106 tell us?. <i>Astronomy and Astrophysics</i> , 2016, 590, A48.	2.1	22
153	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022, 930, L18.	3.0	21
154	Unveiling the nature of the $\gamma$ -ray emitting active galactic nucleus PKS 0521+36. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 3975-3990.	1.6	20
155	Symmetric Achromatic Variability in Active Galaxies: A Powerful New Gravitational Lensing Probe?. <i>Astrophysical Journal</i> , 2017, 845, 89.	1.6	20
156	Multiwavelength Light Curves of Two Remarkable Sagittarius A* Flares. <i>Astrophysical Journal</i> , 2018, 864, 58.	1.6	20
157	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , 2022, 930, L21.	3.0	20
158	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. <i>Astrophysical Journal Letters</i> , 2022, 930, L20.	3.0	20
159	Physical properties of asteroid 308635 (2005 YU <sub>55</sub> ) derived from multi-instrument infrared observations during a very close Earth approach. <i>Astronomy and Astrophysics</i> , 2013, 558, A97.	2.1	19
160	A blind CO detection of a distant red galaxy in the HS1700+64 protocluster. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 449, L68-L72.	1.2	19
161	Detection of the blazar S4 0954+65 at very-high-energy with the MAGIC telescopes during an exceptionally high optical state. <i>Astronomy and Astrophysics</i> , 2018, 617, A30.	2.1	19
162	A major ice component in Pluto's haze. <i>Nature Astronomy</i> , 2021, 5, 289-297.	4.2	19

#	ARTICLE	IF	CITATIONS
163	Ganymede's Surface Properties from Millimeter and Infrared Thermal Emission. Planetary Science Journal, 2021, 2, 5.	1.5	19
164	<i>SPITZER</i> IMAGING OF <i>HERSCHEL</i> -ATLAS GRAVITATIONALLY LENSED SUBMILLIMETER SOURCES. Astrophysical Journal Letters, 2011, 728, L4.	3.0	18
165	The connection between the parsec-scale radio jet and $\gamma$ -ray flares in the blazar 1156+295. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1636-1646.	1.6	18
166	Revealing the Broad Line Region of NGC 1275: The Relationship to Jet Power. Astrophysical Journal, 2018, 869, 143.	1.6	18
167	VLBA polarimetric monitoring of 3C 111. Astronomy and Astrophysics, 2018, 610, A32.	2.1	18
168	Mass Assembly of Stellar Systems and Their Evolution with the SMA (MASSES)' Full Data Release. Astrophysical Journal, Supplement Series, 2019, 245, 21.	3.0	18
169	SYMBA: An end-to-end VLBI synthetic data generation pipeline. Astronomy and Astrophysics, 2020, 636, A5.	2.1	18
170	Spectral energy distribution variation in BL Lacs and flat spectrum radio quasars. Monthly Notices of the Royal Astronomical Society, 2011, 417, 1881-1890.	1.6	17
171	The Herschel-ATLAS: magnifications and physical sizes of 500- $\mu$ m-selected strongly lensed galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3467-3484.	1.6	17
172	Exploring the Variability of the Flat Spectrum Radio Source 1633+382. I. Phenomenology of the Light Curves. Astrophysical Journal, 2018, 852, 30.	1.6	16
173	Investigating the multiwavelength behaviour of the flat spectrum radio quasar CTA 102 during 2013-2017. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5300-5316.	1.6	16
174	IRC+10216'S INNERMOST ENVELOPE' THE eSMA'S VIEW. Astrophysical Journal, 2009, 698, 1924-1933.	1.6	15
175	A BLACK HOLE MASS-VARIABILITY TIMESCALE CORRELATION AT SUBMILLIMETER WAVELENGTHS. Astrophysical Journal Letters, 2015, 811, L6.	3.0	15
176	183 GHz H <sub>2</sub> O MASER EMISSION AROUND THE LOW-MASS PROTOSTAR SERPENS SMM1. Astrophysical Journal, 2009, 706, L22-L26.	1.6	14
177	The Peculiar Light Curve of J1415+1320: A Case Study in Extreme Scattering Events. Astrophysical Journal, 2017, 845, 90.	1.6	14
178	Exploring the Variability of the Flat-spectrum Radio Source 1633+382. II. Physical Properties. Astrophysical Journal, 2018, 859, 128.	1.6	14
179	Ejection of Double Knots from the Radio Core of PKS 1510-089 during the Strong Gamma-Ray Flares in 2015. Astrophysical Journal, 2019, 877, 106.	1.6	14
180	BLAZAR 3C 454.3 IN OUTBURST AND QUIESCENCE DURING 2005-2007: TWO VARIABLE SYNCHROTRON EMISSION PEAKS. Astrophysical Journal, Supplement Series, 2011, 195, 19.	3.0	13

#	ARTICLE	IF	CITATIONS
181	The Relativistic Jet Orientation and Host Galaxy of the Peculiar Blazar PKS 1413+135. <i>Astrophysical Journal</i> , 2021, 907, 61.	1.6	13
182	Wind mapping in Venusâ€™ upper mesosphere with the IRAM-Plateau de Bure interferometer. <i>Astronomy and Astrophysics</i> , 2012, 546, A102.	2.1	12
183	Herschel and Hubble Study of a Lensed Massive Dusty Starbursting Galaxy at $z \approx 3$ . <i>Astrophysical Journal</i> , 2017, 844, 82.	1.6	12
184	Interferometric Monitoring of Gamma-Ray Bright AGNs: OJ 287. <i>Astrophysical Journal</i> , 2020, 902, 104.	1.6	12
185	Morphological Transition of the Compact Radio Lobe in 3C 84 via the Strong Jetâ€™Cloud Collision. <i>Astrophysical Journal Letters</i> , 2021, 920, L24.	3.0	12
186	Circumnuclear pileups of dust and gas in M82. <i>Astronomical Journal</i> , 1992, 104, 63.	1.9	11
187	DETECTION OF C I IN ABSORPTION TOWARD PKS 1830 â€“ 211 WITH THE eSMA. <i>Astrophysical Journal</i> , 2009, 690, L130-L134.	1.6	10
188	PARSEC-SCALE JET BEHAVIOR OF THE QUASAR 3C273 DURING A HIGH GAMMA-RAY STATE IN 2009â€“2010. <i>International Journal of Modern Physics Conference Series</i> , 2012, 08, 356-359.	0.7	10
189	Galaxies behind the Large Magellanic Cloud. <i>Publications of the Astronomical Society of the Pacific</i> , 1990, 102, 849.	1.0	10
190	Physical studies of Centaurs and Trans-Neptunian Objects with the Atacama Large Millimeter Array. <i>Icarus</i> , 2011, 213, 382-392.	1.1	9
191	A millimetre-wave redshift search for the unlensed HyLIRG, HS1700.850.1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 951-959.	1.6	9
192	MULTI-WAVELENGTH LENS RECONSTRUCTION OF A PLANCK AND HERSCHEL-DETECTED STAR-BURSTING GALAXY. <i>Astrophysical Journal</i> , 2016, 829, 21.	1.6	9
193	Plutoâ€™s atmosphere observations with ALMA: Spatially-resolved maps of CO and HCN emission and first detection of HNC. <i>Icarus</i> , 2022, 372, 114722.	1.1	9
194	Submillimeter Array Observations of CS J = 14-13 Emission from the Evolved Star IRC +10216. <i>Astrophysical Journal</i> , 2004, 616, L51-L54.	1.6	8
195	Adapting and Expanding Interferometric Arrays. <i>Astrophysical Journal, Supplement Series</i> , 2006, 164, 552-558.	3.0	8
196	Unusual flaring activity in the blazar PKS 1424â€“418 during 2008â€“2011. <i>Astronomy and Astrophysics</i> , 2014, 569, A40.	2.1	8
197	SMA OBSERVATIONS OF THE EXTENDED $^{12}\text{CO}(J=6-5)$ EMISSION IN THE STARBURST GALAXY NGC 253. <i>Astrophysical Journal</i> , 2016, 821, 112.	1.6	8
198	Localizing the $\gamma$ -ray emitting region in the blazar TXS 2013+370. <i>Astronomy and Astrophysics</i> , 2020, 634, A112.	2.1	8

#	ARTICLE	IF	CITATIONS
199	Identification of $\gamma$ -ray emission from 3C 345 and NRAO 512. <i>Astronomy and Astrophysics</i> , 2011, 532, A150.	2.1	7
200	Multiwavelength Variability of Sagittarius A* in 2019 July. <i>Astrophysical Journal</i> , 2022, 931, 7.	1.6	7
201	The Gamma-ray Activity of the high-z Quasar 0836+71. <i>EPJ Web of Conferences</i> , 2013, 61, 04003.	0.1	6
202	The 1.4 Åmm Core of Centaurus A: First VLBI Results with the South Pole Telescope. <i>Astrophysical Journal</i> , 2018, 861, 129.	1.6	6
203	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022, 925, 13.	1.6	6
204	Radio and $\gamma$ -Ray Activity in the Jet of the Blazar S5 0716+714. <i>Astrophysical Journal</i> , 2022, 925, 64.	1.6	6
205	658 GHz vibrationally-excited water masers with the Submillimeter Array. <i>Proceedings of the International Astronomical Union</i> , 2007, 3, 481-488.	0.0	5
206	LOCATION OF THE $\gamma$ -RAY FLARING EMISSION IN THE PARSEC-SCALE JET OF THE BL LAC OBJECT AO 0235+164. <i>International Journal of Modern Physics Conference Series</i> , 2012, 08, 271-276.	0.7	5
207	Thermal rotational lightcurve of dwarf-planet (1) Ceres at 235 GHz with the Submillimeter Array. <i>Astronomy and Astrophysics</i> , 2010, 516, L10.	2.1	5
208	MOMO – V. Effelsberg, <i>Swift</i> , and <i>Fermi</i> study of the blazar and supermassive binary black hole candidate OJ 287 in a period of high activity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3165-3179.	1.6	5
209	The eSMA: description and first results. <i>Proceedings of SPIE</i> , 2008, , .	0.8	4
210	$\gamma$ -ray emission region located in the parsec scale jet of OJ287. <i>Journal of Physics: Conference Series</i> , 2012, 355, 012032.	0.3	4
211	PECULIAR NEAR-NUCLEUS OUTGASSING OF COMET 17P/HOLMES DURING ITS 2007 OUTBURST. <i>Astrophysical Journal</i> , 2015, 799, 110.	1.6	4
212	A Double-period Oscillation Signal in Millimeter Emission of the Radio Galaxy NGC 1275. <i>Astrophysical Journal</i> , 2022, 925, 207.	1.6	4
213	The Connection between the Radio Jet and the $\gamma$ -ray Emission in the Radio Galaxy 3C 120 and the Blazar CTA 102. <i>Galaxies</i> , 2016, 4, 34.	1.1	3
214	Identifying changing jets through their radio variability. <i>Astronomy and Astrophysics</i> , 2021, 654, A169.	2.1	3
215	On the Origin of Gamma-Ray Flares from Bright Fermi Blazars. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 37.	3.0	3
216	New Tests of Milli-lensing in the Blazar PKS 1413 + 135. <i>Astrophysical Journal</i> , 2022, 927, 24.	1.6	3

#	ARTICLE	IF	CITATIONS
217	Massive Molecular Gas Reservoir in a Luminous Submillimeter Galaxy during Cosmic Noon. <i>Astrophysical Journal</i> , 2022, 929, 41.	1.6	3
218	Optical Outburst of the Blazar S4 0954+658 in Early 2015. <i>Galaxies</i> , 2016, 4, 24.	1.1	2
219	Hard X-Ray Emission in Centaurus A. <i>Astrophysical Journal</i> , 2022, 932, 104.	1.6	2
220	The optical-gamma correlation in BL Lacertae. <i>EPJ Web of Conferences</i> , 2013, 61, 04014.	0.1	1
221	Multiwavelength Picture of the Blazar S5 0716+714 during Its Brightest Outburst. <i>Galaxies</i> , 2016, 4, 69.	1.1	1
222	Project tracking at the Submillimeter Array: from proposals to publication. <i>Proceedings of SPIE</i> , 2008, , .	0.8	0
223	A strong radio brightening at the jet base of M87 during the elevated very-high-energy $\gamma$ -ray state in 2012. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 340-345.	0.0	0
224	Multiwavelength variability analysis of the blazar 3C 273. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0
225	Evidence for a Buried AGN in an Extremely Bright Dusty Galaxy at $z \approx 2$ . <i>Research Notes of the AAS</i> , 2020, 4, 173.	0.3	0