

Karl M Menten

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

266 papers	12,919 citations	56 h-index	105 g-index
267 ext. papers	16,428 ext. citations	6.5 avg, IF	5.99 L-index

#	Paper	IF	Citations
266	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022 , 925, 13	4.7	2
265	The radio spectral turnover of radio-loud quasars at $z > 5$. <i>Astronomy and Astrophysics</i> , 2022 , 659, A159.1	5.1	0
264	Possible TeV Gamma-Ray Binary Origin of HESS J1828-099. <i>Astrophysical Journal Letters</i> , 2022 , 927, L35	7.9	0
263	ArH+ and H ₂ O+ absorption towards luminous galaxies. <i>Astronomy and Astrophysics</i> , 2022 , 659, A152	5.1	0
262	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022 , 930, L14	7.9	20
261	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , 2022 , 930, L21	7.9	9
260	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022 , 930, L17	7.9	14
259	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022 , 930, L13	7.9	16
258	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , 2022 , 930, L15	7.9	16
257	HyGAL: Characterizing the Galactic Interstellar Medium with Observations of Hydrides and Other Small Molecules. I. Survey Description and a First Look Toward W3(OH), W3 IRS5, and NGC 7538 IRS1. <i>Astrophysical Journal</i> , 2022 , 930, 141	4.7	0
256	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	7.9	23
255	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022 , 930, L18	7.9	7
254	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022 , 930, L19	7.9	11
253	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. <i>Astrophysical Journal Letters</i> , 2022 , 930, L20	7.9	8
252	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	7.9	18
251	The Population of Compact Radio Sources in M17. <i>Astronomical Journal</i> , 2022 , 163, 276	4.9	
250	New Infrared Spectral Indices of Luminous Cold Stars: From Early K to M Types. <i>Astronomical Journal</i> , 2021 , 162, 187	4.9	1

249	The magnetic field in the dense photodissociation region of DR21. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 501, 4825-4836	4.3	1
248	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021 , 910, L14	7.9	28
247	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021 , 910, L13	7.9	70
246	Toward a global model of the interactions in low-lying states of methyl cyanide: Rotational and rovibrational spectroscopy of the $J=1$ state and tentative interstellar detection of the $J=8=1$ state in Sgr B2(N). <i>Journal of Molecular Spectroscopy</i> , 2021 , 378, 111449	1.3	1
245	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021 , 911, L11	7.9	16
244	Constraints on black-hole charges with the 2017 EHT observations of M87*. <i>Physical Review D</i> , 2021 , 103,	4.9	18
243	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021 , 912, 35	4.7	7
242	Trigonometric Parallaxes of Four Star-forming Regions in the Distant Inner Galaxy. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 253, 1	8	2
241	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021 , 910, L12	7.9	58
240	A global view on star formation: the GLOSTAR Galactic plane survey. <i>Astronomy and Astrophysics</i> , 2021 , 651, A87	5.1	1
239	Observations and Analysis of CH ⁺ Vibrational Emissions from the Young, Carbon-rich Planetary Nebula NGC 7027: A Textbook Example of Chemical Pumping. <i>Astrophysical Journal</i> , 2021 , 917, 15	4.7	3
238	Terahertz Water Masers. II. Further SOFIA/GREAT Detections Toward Circumstellar Outflows, and a Multitransition Analysis*. <i>Astrophysical Journal</i> , 2021 , 907, 42	4.7	2
237	A VLBA Survey of Radio Stars in the Orion Nebula Cluster. II. Astrometry. <i>Astrophysical Journal</i> , 2021 , 906, 24	4.7	5
236	A VLBA Survey of Radio Stars in the Orion Nebula Cluster. I. The Nonthermal Radio Population. <i>Astrophysical Journal</i> , 2021 , 906, 23	4.7	7
235	LEGO III. A 3 mm molecular line study covering 100 pc of one of the most actively star-forming portions within the Milky Way disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 497, 1972-2001	4.3	9
234	Proper Motions of the Radio Source Orion MR, Formerly Known as Orion n, and New Sources with Large Proper Motions in Orion BN/KL. <i>Astrophysical Journal</i> , 2020 , 892, 82	4.7	7
233	Detection of Vibrational Emissions from the Helium Hydride Ion (HeH ⁺) in the Planetary Nebula NGC 7027. <i>Astrophysical Journal</i> , 2020 , 894, 37	4.7	16
232	Infalling gas in a Lyman- α blob. <i>Nature Astronomy</i> , 2020 , 4, 670-674	12.1	11

231	Betelgeuse Fainter in the Submillimeter Too: An Analysis of JCMT and APEX Monitoring during the Recent Optical Minimum. <i>Astrophysical Journal Letters</i> , 2020 , 897, L9	7.9	16
230	Probing the Full CO Spectral Line Energy Distribution (SLED) in the Nuclear Region of a Quasar-starburst System at $z = 6.003$. <i>Astrophysical Journal</i> , 2020 , 889, 162	4.7	13
229	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 897, 139	4.7	24
228	$13\text{CH}_3\text{OH}$ Masers Associated With a Transient Phenomenon in a High-mass Young Stellar Object. <i>Astrophysical Journal Letters</i> , 2020 , 890, L22	7.9	16
227	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , 2020 , 640, A69	5.1	21
226	Massive Stars in Molecular Clouds Rich in High-energy Sources: The Bridge of G332.8090.132 and CS 78 in NGC 6334. <i>Astronomical Journal</i> , 2020 , 160, 65	4.9	1
225	A New Candidate Luminous Blue Variable. <i>Astrophysical Journal Letters</i> , 2020 , 901, L15	7.9	
224	Temperature Structure of the Pipe Nebula Studied by the Intensity Anomaly of the OH 18 cm Transition. <i>Astrophysical Journal</i> , 2020 , 904, 136	4.7	2
223	Ionized and Atomic Interstellar Medium in the $z = 6.003$ Quasar SDSS J2310+1855. <i>Astrophysical Journal</i> , 2020 , 900, 131	4.7	11
222	Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 901, 67	4.7	20
221	Evidence for Dense Gas Heated by the Explosion in Orion KL. <i>Astrophysical Journal</i> , 2020 , 901, 62	4.7	3
220	Rotational Spectra of Vibrationally Excited AlO and TiO in Oxygen-rich Stars. <i>Astrophysical Journal</i> , 2020 , 904, 110	4.7	8
219	SiO maser astrometry of the red transient V838 Monocerotis. <i>Astronomy and Astrophysics</i> , 2020 , 638, A17	5.1	5
218	ATOMIUM: A high-resolution view on the highly asymmetric wind of the AGB star η Gruis. <i>Astronomy and Astrophysics</i> , 2020 , 644, A61	5.1	8
217	FEEDBACK: a SOFIA Legacy Program to Study Stellar Feedback in Regions of Massive Star Formation. <i>Publications of the Astronomical Society of the Pacific</i> , 2020 , 132, 104301	5	10
216	Rotational spectrum of isotopic methyl mercaptan, $13\text{CH}_3\text{SH}$, in the laboratory and towards Sagittarius B2(N2). <i>Canadian Journal of Physics</i> , 2020 , 98, 530-537	1.1	2
215	New maser species tracing spiral-arm accretion flows in a high-mass young stellar object. <i>Nature Astronomy</i> , 2020 , 4, 1170-1176	12.1	6
214	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020 , 897, 148	4.7	18

213	The first stellar parallaxes revisited. <i>Astronomische Nachrichten</i> , 2020 , 341, 860-869	0.7	2
212	(Sub)stellar companions shape the winds of evolved stars. <i>Science</i> , 2020 , 369, 1497-1500	33.3	31
211	Magnetized filamentary gas flows feeding the young embedded cluster in Serpens South. <i>Nature Astronomy</i> , 2020 , 4, 1195-1201	12.1	17
210	Star Formation and ISM Properties in the Host Galaxies of Three Far-infrared Luminous Quasars at $z \sim 6$. <i>Astrophysical Journal</i> , 2019 , 876, 99	4.7	16
209	Multiline Observations of Molecular Bullets from a High-mass Protostar. <i>Astrophysical Journal</i> , 2019 , 877, 112	4.7	3
208	A Giant Water Maser Flare in the Galactic Source IRAS 18316-0602. <i>Astronomy Reports</i> , 2019 , 63, 49-65	1.1	10
207	ALMA Reveals Potential Evidence for Spiral Arms, Bars, and Rings in High-redshift Submillimeter Galaxies. <i>Astrophysical Journal</i> , 2019 , 876, 130	4.7	58
206	Trigonometric Parallaxes of Star-forming Regions beyond the Tangent Point of the Sagittarius Spiral Arm. <i>Astrophysical Journal</i> , 2019 , 874, 94	4.7	17
205	On the Nature of the Compact Sources in IRAS 16293-4422 Seen at Centimeter to Submillimeter Wavelengths. <i>Astrophysical Journal</i> , 2019 , 875, 94	4.7	13
204	Parallaxes for Star-forming Regions in the Inner Perseus Spiral Arm. <i>Astronomical Journal</i> , 2019 , 157, 200	4.9	11
203	Astrophysical detection of the helium hydride ion HeH. <i>Nature</i> , 2019 , 568, 357-359	50.4	87
202	CO Multi-line Observations of HH 80B1: A Two-component Molecular Outflow Associated with the Largest Protostellar Jet in Our Galaxy. <i>Astrophysical Journal</i> , 2019 , 871, 141	4.7	5
201	Fire in the Heart: A Characterization of the High Kinetic Temperatures and Heating Sources in the Nucleus of NGC 253. <i>Astrophysical Journal</i> , 2019 , 871, 170	4.7	15
200	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019 , 875, L3	7.9	267
199	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019 , 875, L2	7.9	325
198	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L4	7.9	411
197	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L1	7.9	1110
196	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019 , 875, L5	7.9	429

195	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L6	7.9	466
194	The Effect of Far-infrared Radiation on the Hyperfine Anomaly of the OH 18 cm Transition. <i>Astrophysical Journal</i> , 2019 , 871, 89	4.7	8
193	An Unusually Powerful Water-Maser Flare in the Galactic Source W49N. <i>Astronomy Reports</i> , 2019 , 63, 652-665	1.1	
192	Weak and Compact Radio Emission in Early High-mass Star-forming Regions. II. The Nature of the Radio Sources. <i>Astrophysical Journal</i> , 2019 , 880, 99	4.7	16
191	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 243, 26	8	96
190	Noncircular Motions in the Outer Perseus Spiral Arm. <i>Astrophysical Journal</i> , 2019 , 876, 30	4.7	8
189	A Water-Vapor Maser Flare in a High-Velocity Line toward W49N. <i>Astronomy Letters</i> , 2019 , 45, 321-330	1.1	
188	Rotational spectroscopy of isotopic species of methyl mercaptan at millimeter and submillimeter wavelengths: CH ₃ 34S. <i>Astronomy and Astrophysics</i> , 2019 , 627, A41	5.1	2
187	Trigonometric Parallaxes of High-mass Star-forming Regions: Our View of the Milky Way. <i>Astrophysical Journal</i> , 2019 , 885, 131	4.7	176
186	AGN astrometry: A powerful tool for galaxy kinematic studies. <i>Proceedings of the International Astronomical Union</i> , 2019 , 15, 276-279	0.1	
185	Resolving the Interstellar Medium in the Nuclear Region of Two $z = 5.78$ Quasar Host Galaxies with ALMA. <i>Astrophysical Journal</i> , 2019 , 887, 40	4.7	13
184	Search for H ₃ ⁺ isotopologues toward CRL 2136 IRS 1. <i>Astronomy and Astrophysics</i> , 2019 , 632, A29	5.1	3
183	Laboratory rotational spectroscopy of isotopic acetone, CH ₃ ¹³ C(O)CH ₃ and ¹³ CH ₃ C(O)CH ₃ , and astronomical search in Sagittarius B ₂ (N ₂). <i>Astronomy and Astrophysics</i> , 2019 , 629, A72	5.1	10
182	A Reverse Shock in GRB 181201A. <i>Astrophysical Journal</i> , 2019 , 884, 121	4.7	16
181	Modelling the abundance structure of isocyanic acid (HNCO) towards the low-mass solar type protostar IRAS 16293-422. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 483, 2014-2030	4.3	5
180	The LABOCA/ACT Survey of Clusters at All Redshifts: Multiwavelength Analysis of Background Submillimeter Galaxies. <i>Astrophysical Journal</i> , 2018 , 855, 26	4.7	1
179	Astronomical detection of radioactive molecule ²⁶ AlF in the remnant of an ancient explosion. <i>Nature Astronomy</i> , 2018 , 2, 778-783	12.1	19
178	First ALMA Light Curve Constrains Refreshed Reverse Shocks and Jet Magnetization in GRB 161219B. <i>Astrophysical Journal</i> , 2018 , 862, 94	4.7	20

177	Detections of Massive Stars in the Cluster MCM2005b77, in the Star-forming Regions GRS G331.34-0.36 (S62) and GRS G337.92-0.48 (S36). <i>Astrophysical Journal</i> , 2018 , 862, 10	4.7	2
176	The Evolving Radio Photospheres of Long-period Variable Stars. <i>Astronomical Journal</i> , 2018 , 156, 15	4.9	9
175	An Isothermal Outflow in High-mass Star-forming Region G240.31+0.07. <i>Astrophysical Journal</i> , 2018 , 860, 106	4.7	4
174	SMA Spectral Line Survey of the Proto-Planetary Nebula CRL 618. <i>Proceedings of the International Astronomical Union</i> , 2018 , 14, 483-484	0.1	
173	Atlas of Cosmic-Ray-induced Astrochemistry. <i>Astrophysical Journal</i> , 2018 , 868, 40	4.7	7
172	Discovery of H ₂ O, CH ₃ OH, and OH Masers in the Extreme Outer Galaxy. <i>Astrophysical Journal</i> , 2018 , 869, 148	4.7	4
171	The Parallax of the Red Hypergiant VX Sgr with Accurate Tropospheric Delay Calibration. <i>Astrophysical Journal</i> , 2018 , 859, 14	4.7	8
170	Discovery of 14 NH ₃ (2,2) Maser Emission in Sgr B2 Main. <i>Astrophysical Journal Letters</i> , 2018 , 869, L14	7.9	4
169	A Thorough View of the Nuclear Region of NGC 253: Combined Herschel, SOFIA, and APEX Data Set. <i>Astrophysical Journal</i> , 2018 , 860, 23	4.7	12
168	Detection of Intrinsic Source Structure at ~3 Schwarzschild Radii with Millimeter-VLBI Observations of SAGITTARIUS A*. <i>Astrophysical Journal</i> , 2018 , 859, 60	4.7	55
167	Detection of [O iii] at z~ 3: A Galaxy Above the Main Sequence, Rapidly Assembling Its Stellar Mass. <i>Astrophysical Journal</i> , 2018 , 856, 174	4.7	7
166	RADIO MEASUREMENTS OF THE STELLAR PROPER MOTIONS IN THE CORE OF THE ORION NEBULA CLUSTER. <i>Astrophysical Journal</i> , 2017 , 834, 139	4.7	29
165	Red Supergiants in the Inner Galaxy: Stellar Properties. <i>Astrophysical Journal</i> , 2017 , 836, 65	4.7	8
164	Class II 6.7 GHz Methanol Maser Association with Young Massive Cores Revealed by ALMA. <i>Astrophysical Journal</i> , 2017 , 836, 59	4.7	6
163	C ii RADIATIVE COOLING OF THE GALACTIC DIFFUSE INTERSTELLAR MEDIUM: INSIGHT INTO THE STAR FORMATION IN DAMPED Ly α SYSTEMS. <i>Astrophysical Journal</i> , 2017 , 834, 171	4.7	5
162	Detection of Interstellar Ortho-D ₂ H ⁺ with SOFIA. <i>Astrophysical Journal</i> , 2017 , 840, 63	4.7	21
161	An ALMA Survey of Submillimeter Galaxies in the Extended Chandra Deep Field South: Spectroscopic Redshifts. <i>Astrophysical Journal</i> , 2017 , 840, 78	4.7	74
160	Mapping spiral structure on the far side of the Milky Way. <i>Science</i> , 2017 , 358, 227-230	33.3	55

159	Physical properties of Class I methanol masers. <i>Proceedings of the International Astronomical Union</i> , 2017 , 13, 17-22	0.1	2
158	Malcolm Walmsley Maser Science. <i>Proceedings of the International Astronomical Union</i> , 2017 , 13, 3-4	0.1	1
157	Variability of Water Masers in W49N: Results from Effelsberg Long-term Monitoring Programme. <i>Proceedings of the International Astronomical Union</i> , 2017 , 13, 279-280	0.1	1
156	How maser observations unravel the gas motions in the Galactic Center. <i>Proceedings of the International Astronomical Union</i> , 2017 , 13, 176-179	0.1	
155	Gas Dynamics of a Luminous $z = 6.13$ Quasar ULAS J1319+0950 Revealed by ALMA High-resolution Observations. <i>Astrophysical Journal</i> , 2017 , 845, 138	4.7	36
154	Techniques for Accurate Parallax Measurements for 6.7 GHz Methanol Masers. <i>Astronomical Journal</i> , 2017 , 154, 63	4.9	14
153	Extreme Radio Flares and Associated X-Ray Variability from Young Stellar Objects in the Orion Nebula Cluster. <i>Astrophysical Journal</i> , 2017 , 844, 109	4.7	13
152	Large-scale Map of Millimeter-wavelength Hydrogen Radio Recombination Lines around a Young Massive Star Cluster. <i>Astrophysical Journal Letters</i> , 2017 , 844, L25	7.9	8
151	Rotational and High-resolution Infrared Spectrum of HC 3 N: Global Ro-vibrational Analysis and Improved Line Catalog for Astrophysical Observations. <i>Astrophysical Journal, Supplement Series</i> , 2017 , 233, 11	8	17
150	VLBA Trigonometric Parallax Measurement of the Semi-regular Variable RT Vir. <i>Astrophysical Journal</i> , 2017 , 849, 99	4.7	9
149	THE PROPER MOTIONS OF THE DOUBLE RADIO SOURCE η IN THE ORION BN/KL REGION. <i>Astrophysical Journal</i> , 2017 , 834, 140	4.7	29
148	SOFIA/GREAT Discovery of Terahertz Water Masers. <i>Astrophysical Journal</i> , 2017 , 843, 94	4.7	9
147	SiS in the Circumstellar Envelope of IRC +10216: Maser and Quasi-thermal Emission. <i>Astrophysical Journal</i> , 2017 , 843, 54	4.7	5
146	ISM Properties of a Massive Dusty Star-forming Galaxy Discovered at $z \sim 7$. <i>Astrophysical Journal Letters</i> , 2017 , 842, L15	7.9	84
145	HIFI Spectroscopy of H ₂ O Submillimeter Lines in Nuclei of Actively Star-forming Galaxies. <i>Astrophysical Journal</i> , 2017 , 846, 5	4.7	26
144	Deep Submillimeter and Radio Observations in the SSA22 Field. I. Powering Sources and the Ly α Escape Fraction of Ly α Blobs. <i>Astrophysical Journal</i> , 2017 , 850, 178	4.7	12
143	Class II 6.7 GHz Methanol Maser Association with Young Massive Cores Revealed by ALMA. <i>Proceedings of the International Astronomical Union</i> , 2017 , 13, 247-250	0.1	
142	The local spiral structure of the Milky Way. <i>Science Advances</i> , 2016 , 2, e1600878	14.3	50

141	SPATIAL DISTRIBUTION AND KINEMATICS OF THE MOLECULAR MATERIAL ASSOCIATED WITH ETA CARINAE. <i>Astrophysical Journal</i> , 2016 , 833, 48	4.7	8
140	A PARALLAX-BASED DISTANCE ESTIMATOR FOR SPIRAL ARM SOURCES. <i>Astrophysical Journal</i> , 2016 , 823, 77	4.7	148
139	A survey for hydroxyl in the THOR pilot region around W43. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 455, 3494-3510	4.3	15
138	The rate and latency of star formation in dense, massive clumps in the Milky Way. <i>Astronomy and Astrophysics</i> , 2016 , 588, A29	5.1	51
137	A REVERSE SHOCK IN GRB 160509A. <i>Astrophysical Journal</i> , 2016 , 833, 88	4.7	45
136	Dense gas in the Galactic central molecular zone is warm and heated by turbulence. <i>Astronomy and Astrophysics</i> , 2016 , 586, A50	5.1	128
135	How hot is the molecular gas in the Galactic Center?. <i>Proceedings of the International Astronomical Union</i> , 2016 , 11, 111-114	0.1	
134	ON THE RELATIONSHIP OF UC H ii REGIONS AND CLASS II METHANOL MASERS. I. SOURCE CATALOGS. <i>Astrophysical Journal</i> , 2016 , 833, 18	4.7	35
133	WEAK AND COMPACT RADIO EMISSION IN EARLY HIGH-MASS STAR-FORMING REGIONS. I. VLA OBSERVATIONS. <i>Astrophysical Journal, Supplement Series</i> , 2016 , 227, 25	8	43
132	THE REDSHIFT DISTRIBUTION OF DUSTY STAR-FORMING GALAXIES FROM THE SPT SURVEY. <i>Astrophysical Journal</i> , 2016 , 822, 80	4.7	92
131	THE VLA VIEW OF THE HL TAU DISK: DISK MASS, GRAIN EVOLUTION, AND EARLY PLANET FORMATION. <i>Astrophysical Journal Letters</i> , 2016 , 821, L16	7.9	97
130	DISCOVERY OF AN EXTRAORDINARY NUMBER OF RED SUPERGIANTS IN THE INNER GALAXY. <i>Astrophysical Journal Letters</i> , 2016 , 822, L5	7.9	9
129	THE POPULATION OF COMPACT RADIO SOURCES IN THE ORION NEBULA CLUSTER. <i>Astrophysical Journal</i> , 2016 , 822, 93	4.7	25
128	Spiral density waves in a young protoplanetary disk. <i>Science</i> , 2016 , 353, 1519-1521	33.3	210
127	AMMONIA AND CO OUTFLOW AROUND 6.7 GHz METHANOL MASERS. <i>Astronomical Journal</i> , 2016 , 152, 92	4.9	11
126	AN ALMA SURVEY OF SUBMILLIMETER GALAXIES IN THE EXTENDED CHANDRA DEEP FIELD SOUTH: NEAR-INFRARED MORPHOLOGIES AND STELLAR SIZES. <i>Astrophysical Journal</i> , 2015 , 799, 194	4.7	86
125	The nature of the [C ii] emission in dusty star-forming galaxies from the SPT survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 449, 2883-2900	4.3	102
124	Nuclear ashes and outflow in the eruptive star Nova Vul 1670. <i>Nature</i> , 2015 , 520, 322-4	50.4	34

123	HERSCHELOBSERVATIONS OF INTERSTELLAR CHLORONIUM. II. DETECTIONS TOWARD G29.96-0.02, W49N, W51, AND W3(OH), AND DETERMINATIONS OF THE ORTHO-TO-PARA AND 35Cl/37Cl ISOTOPIC RATIOS. <i>Astrophysical Journal</i> , 2015 , 807, 54	4.7	19
122	MASSIVE STARS IN THE W33 GIANT MOLECULAR COMPLEX. <i>Astrophysical Journal</i> , 2015 , 805, 110	4.7	15
121	FIRST PARALLAX MEASUREMENTS TOWARD A 6.7 GHz METHANOL MASER WITH THE AUSTRALIAN LONG BASELINE ARRAY. DISTANCE TO G 339.8841-1.259.. <i>Astrophysical Journal</i> , 2015 , 805, 129	4.7	25
120	OH 18 cm TRANSITION AS A THERMOMETER FOR MOLECULAR CLOUDS. <i>Astrophysical Journal</i> , 2015 , 815, 13	4.7	16
119	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	43
118	First 230 GHz VLBI fringes on 3C 279 using the APEX Telescope. <i>Astronomy and Astrophysics</i> , 2015 , 581, A32	5.1	13
117	Imaging the cold molecular gas in SDSS J1148 + 5251 at $z = 6.4$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 451, 1713-1718	4.3	19
116	Water Masers Outburst in the Massive Stellar Cluster W49A. <i>Proceedings of the International Astronomical Union</i> , 2015 , 12, 155-156	0.1	
115	An ATCA survey of Sagittarius B2 at 7mm: chemical complexity meets broad-band interferometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 452, 3969-3993	4.3	24
114	Characterizing the chemical pathways for water formation--a deep search for hydrogen peroxide. <i>Faraday Discussions</i> , 2014 , 168, 349-67	3.6	8
113	SHORT DISSIPATION TIMES OF PROTO-PLANETARY DISKS: AN ARTIFACT OF SELECTION EFFECTS?. <i>Astrophysical Journal Letters</i> , 2014 , 793, L34	7.9	85
112	Detection of a branched alkyl molecule in the interstellar medium: iso-propyl cyanide. <i>Science</i> , 2014 , 345, 1584-7	33.3	159
111	Near-infrared spectroscopy of candidate red supergiant stars in clusters. <i>Astronomy and Astrophysics</i> , 2014 , 571, A43	5.1	12
110	Massive stars in the giant molecular cloud G23.30-0.3 and W41. <i>Astronomy and Astrophysics</i> , 2014 , 569, A20	5.1	11
109	SUBMILLIMETER ARRAY AND VERY LARGE ARRAY OBSERVATIONS IN THE HYPERCOMPACT H II REGION G35.58-0.03. <i>Astrophysical Journal</i> , 2014 , 784, 107	4.7	18
108	SUBMILLIMETER ARRAY OBSERVATIONS OF MAGNETIC FIELDS IN G240.31+0.07: AN HOURGLASS IN A MASSIVE CLUSTER-FORMING CORE. <i>Astrophysical Journal Letters</i> , 2014 , 794, L18	7.9	42
107	THE EVOLUTIONARY TRACKS OF YOUNG MASSIVE STAR CLUSTERS. <i>Astrophysical Journal</i> , 2014 , 794, 147	4.7	22
106	H2D(+) observations give an age of at least one million years for a cloud core forming Sun-like stars. <i>Nature</i> , 2014 , 516, 219-21	50.4	84

105	MOLECULAR CLOUD-SCALE STAR FORMATION IN NGC 300. <i>Astrophysical Journal</i> , 2014 , 789, 81	4.7	26
104	GRB 120521C AT $z \sim 6$ AND THE PROPERTIES OF HIGH-REDSHIFT γ -RAY BURSTS. <i>Astrophysical Journal</i> , 2014 , 781, 1	4.7	51
103	THE SECOND-GENERATION z (REDSHIFT) AND EARLY UNIVERSE SPECTROMETER. I. FIRST-LIGHT OBSERVATION OF A HIGHLY LENSED LOCAL-ULIRG ANALOG AT HIGH- z . <i>Astrophysical Journal</i> , 2014 , 780, 142	4.7	18
102	DENSE GAS TRACERS AND STAR FORMATION LAWS IN ACTIVE GALAXIES: APEX SURVEY OF HCN $J = 4 - 3$, HCO $^+$ $J = 4 - 3$, AND CS $J = 7 - 6$. <i>Astrophysical Journal Letters</i> , 2014 , 784, L31	7.9	61
101	A stringent limit on a drifting proton-to-electron mass ratio from alcohol in the early universe. <i>Science</i> , 2013 , 339, 46-8	33.3	100
100	Physikalische Konstanten in Raum und Zeit. <i>Physik in Unserer Zeit</i> , 2013 , 44, 59-60	0.1	
99	Accurate high- N rest frequencies for CO $^+$, an ideal tracer of photon-dominated regions. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 9814-8	2.8	4
98	STAR FORMATION AND GAS KINEMATICS OF QUASAR HOST GALAXIES AT $z \sim 6$: NEW INSIGHTS FROM ALMA. <i>Astrophysical Journal</i> , 2013 , 773, 44	4.7	272
97	AMMONIA THERMOMETRY OF STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2013 , 779, 33	4.7	34
96	FORMALDEHYDE DENSITOMETRY OF STARBURST GALAXIES: DENSITY-INDEPENDENT GLOBAL STAR FORMATION. <i>Astrophysical Journal</i> , 2013 , 766, 108	4.7	26
95	FROM POLOIDAL TO TOROIDAL: DETECTION OF A WELL-ORDERED MAGNETIC FIELD IN THE HIGH-MASS PROTOCLUSTER G35.20.74 N. <i>Astrophysical Journal</i> , 2013 , 779, 182	4.7	31
94	HERSCHEL/HIFI OBSERVATIONS OF A NEW INTERSTELLAR WATER MASER: THE 532-441 TRANSITION AT 620.701 GHz. <i>Astrophysical Journal</i> , 2013 , 769, 48	4.7	10
93	Turbulent entrainment origin of protostellar outflows. <i>Astronomy and Astrophysics</i> , 2013 , 559, A23	5.1	5
92	The unusual afterglow of the gamma-ray burst 100621A. <i>Astronomy and Astrophysics</i> , 2013 , 560, A70	5.1	29
91	Molecules in the circumnuclear disk of the Galactic center. <i>Proceedings of the International Astronomical Union</i> , 2013 , 9, 78-82	0.1	
90	H $_2$ O emission in high-ultra-luminous infrared galaxies. <i>Astronomy and Astrophysics</i> , 2013 , 551, A115	5.1	56
89	Stellar clusters in the inner Galaxy and their correlation with cold dust emission. <i>Astronomy and Astrophysics</i> , 2013 , 560, A76	5.1	39
88	GALACTIC STRUCTURE BASED ON THE ATLASGAL 870 μ m SURVEY. <i>Astrophysical Journal</i> , 2012 , 747, 43	4.7	43

87	ALMA OBSERVATIONS OF THE OUTFLOW FROM SOURCE I IN THE ORION-KL REGION. <i>Astrophysical Journal Letters</i> , 2012 , 754, L17	7.9	27
86	The intense starburst HDF 850.1 in a galaxy overdensity at $z \approx 2$ in the Hubble Deep Field. <i>Nature</i> , 2012 , 486, 233-6	50.4	190
85	MOLECULES IN ICARINAE. <i>Astrophysical Journal Letters</i> , 2012 , 749, L4	7.9	16
84	HERSCHELOBSERVATIONS OF INTERSTELLAR CHLORONIUM. <i>Astrophysical Journal</i> , 2012 , 748, 37	4.7	44
83	IAU (Maser) Symposium 287 Summary. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 506-515		3
82	Distance and Maser Outflows of the Galactic Star-forming Region W51 Main/South. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 423-424	0.1	1
81	THE WIDESPREAD OCCURRENCE OF WATER VAPOR IN THE CIRCUMSTELLAR ENVELOPES OF CARBON-RICH ASYMPTOTIC GIANT BRANCH STARS: FIRST RESULTS FROM A SURVEY WITH HERSCHEL /HIFI. <i>Astrophysical Journal Letters</i> , 2011 , 727, L29	7.9	27
80	OUTFLOWS, ACCRETION, AND CLUSTERED PROTOSTELLAR CORES AROUND A FORMING O STAR. <i>Astrophysical Journal</i> , 2011 , 728, 6	4.7	44
79	APEX CO (9-8) MAPPING OF AN EXTREMELY HIGH VELOCITY AND JET-LIKE OUTFLOW IN A HIGH-MASS STAR-FORMING REGION. <i>Astrophysical Journal Letters</i> , 2011 , 743, L25	7.9	22
78	CO (2-1) LINE EMISSION IN REDSHIFT 6 QUASAR HOST GALAXIES. <i>Astrophysical Journal Letters</i> , 2011 , 739, L34	7.9	50
77	The LABOCA survey of the Extended Chandra Deep Field-South - radio and mid-infrared counterparts to submillimetre galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 413, 2314-2338	4.3	77
76	AN INTERFEROMETRIC SPECTRAL-LINE SURVEY OF IRC+10216 IN THE 345 GHz BAND. <i>Astrophysical Journal, Supplement Series</i> , 2011 , 193, 17	8	55
75	FAR-INFRARED AND MOLECULAR CO EMISSION FROM THE HOST GALAXIES OF FAINT QUASARS AT $z \sim 6$. <i>Astronomical Journal</i> , 2011 , 142, 101	4.9	80
74	A hot compact dust disk around a massive young stellar object. <i>Nature</i> , 2010 , 466, 339-42	50.4	106
73	MOLECULAR GAS IN $z \sim 6$ QUASAR HOST GALAXIES. <i>Astrophysical Journal</i> , 2010 , 714, 699-712	4.7	186
72	A LABOCA SURVEY OF THE EXTENDED CHANDRA DEEP FIELD SOUTH SUBMILLIMETER PROPERTIES OF NEAR-INFRARED SELECTED GALAXIES. <i>Astrophysical Journal</i> , 2010 , 719, 483-496	4.7	25
71	Water content and wind acceleration in the envelope around the oxygen-rich AGB star IK Tauri as seen by Herschel/HIFI. <i>Astronomy and Astrophysics</i> , 2010 , 521, L4	5.1	44
70	SUBMILLIMETER NARROW EMISSION LINES FROM THE INNER ENVELOPE OF IRC+10216. <i>Astrophysical Journal</i> , 2009 , 692, 1205-1210	4.7	26

69	MOLECULES IN G1.60.025-0.010: CHEMISTRY IN THE ABSENCE OF STAR FORMATION AT THE PERIPHERY OF THE GALACTIC CENTER REGION. <i>Astrophysical Journal</i> , 2009 , 692, 47-60	4.7	19
68	DETECTION OF VIBRATIONALLY EXCITED CO IN IRC+10216. <i>Astrophysical Journal</i> , 2009 , 691, L55-L58	4.7	10
67	AN EXTENSIVE, SENSITIVE SEARCH FOR SiO MASERS IN HIGH- AND INTERMEDIATE-MASS STAR-FORMING REGIONS. <i>Astrophysical Journal</i> , 2009 , 691, 332-341	4.7	34
66	NEAR-INFRARED SPECTRA OF GALACTIC STELLAR CLUSTERS DETECTED ON SPITZER/GLIMPSE IMAGES. <i>Astrophysical Journal</i> , 2009 , 697, 701-712	4.7	36
65	A RING/DISK/OUTFLOW SYSTEM ASSOCIATED WITH W51 NORTH: A VERY MASSIVE STAR IN THE MAKING. <i>Astrophysical Journal</i> , 2009 , 698, 1422-1428	4.7	56
64	IMAGING ATOMIC AND HIGHLY EXCITED MOLECULAR GAS IN $z = 6.42$ QUASAR HOST GALAXY: COPIOUS FUEL FOR AN EDDINGTON-LIMITED STARBURST AT THE END OF COSMIC REIONIZATION. <i>Astrophysical Journal</i> , 2009 , 703, 1338-1345	4.7	83
63	EXPLOSIVE DISINTEGRATION OF A MASSIVE YOUNG STELLAR SYSTEM IN ORION. <i>Astrophysical Journal</i> , 2009 , 704, L45-L48	4.7	91
62	UNVEILING A COMPACT CLUSTER OF MASSIVE AND YOUNG STARS IN IRAS 17233-3606. <i>Astronomical Journal</i> , 2008 , 136, 1455-1462	4.9	20
61	Thermal Emission from Warm Dust in the Most Distant Quasars. <i>Astrophysical Journal</i> , 2008 , 687, 848-858	4.7	123
60	Formaldehyde Densitometry of Starburst Galaxies. <i>Astrophysical Journal</i> , 2008 , 673, 832-846	4.7	47
59	Monitoring the Large Proper Motions of Radio Sources in the Orion BN/KL Region. <i>Astrophysical Journal</i> , 2008 , 685, 333-343	4.7	82
58	SHARC-II 350 μ m OBSERVATIONS OF THERMAL EMISSION FROM WARM DUST IN $z \sim 5$ QUASARS. <i>Astronomical Journal</i> , 2008 , 135, 1201-1206	4.9	37
57	APEX and ATCA observations of the southern hot core G327.3-0.6 and its environs. <i>Astrophysics and Space Science</i> , 2008 , 313, 69-72	1.6	3
56	Rotational spectroscopy of isotopic vinyl cyanide, H ₂ CCHCN, in the laboratory and in space. <i>Journal of Molecular Spectroscopy</i> , 2008 , 251, 319-325	1.3	50
55	New Insights on the Dense Molecular Gas in NGC 253 as Traced by HCN and HCO ⁺ . <i>Astrophysical Journal</i> , 2007 , 666, 156-164	4.7	49
54	Detection of $1.6 \pm 0.10 M_{\odot}$ of Molecular Gas in the Host Galaxy of the $z = 5.77$ SDSS Quasar J0927+2001. <i>Astrophysical Journal</i> , 2007 , 666, L9-L12	4.7	45
53	Millimeter and Radio Observations of $z \sim 6$ Quasars. <i>Astronomical Journal</i> , 2007 , 134, 617-627	4.9	68
52	Dynamical Masses for Pre-Main-Sequence Stars: A Preliminary Physical Orbit for V773 Tau A. <i>Astrophysical Journal</i> , 2007 , 670, 1214-1224	4.7	36

51	The Atacama Pathfinder EXperiment (APEX) [a new submillimeter facility for southern skies] <i>Astronomy and Astrophysics</i> , 2006 , 454, L13-L16	5.1	353
50	The first galaxies at cm and mm wavelengths. <i>Proceedings of the International Astronomical Union</i> , 2006 , 2, 263-263	0.1	
49	CO(10) in? 4 Quasar Host Galaxies: No Evidence for Extended Molecular Gas Reservoirs. <i>Astrophysical Journal</i> , 2006 , 650, 604-613	4.7	131
48	First Detection of HCO + Emission at High Redshift. <i>Astrophysical Journal</i> , 2006 , 645, L13-L16	4.7	39
47	Modeling with the Advanced Science Analysis Package (ASAP). <i>EAS Publications Series</i> , 2006 , 18, 299-305	0.2	2
46	Magnetic Field Clumping in Massive Starforming Regions as Determined from Excited-State OH Absorption and Maser Emission. <i>Astrophysical Journal</i> , 2005 , 623, 269-279	4.7	13
45	Resolved Molecular Gas in a Quasar Host Galaxy at Redshift $z=6.42$. <i>Astrophysical Journal</i> , 2004 , 615, L17-L20	4.7	264
44	A Class of Interstellar OH Masers Associated with Protostellar Outflows. <i>Astrophysical Journal</i> , 2003 , 593, 925-930	4.7	26
43	Massive Quiescent Cores in Orion. I. Temperature Structure. <i>Astrophysical Journal</i> , 2003 , 587, 262-277	4.7	44
42	Detection of a Second, Strong Submillimeter HCN Laser Line toward Carbon Stars. <i>Astrophysical Journal</i> , 2003 , 583, 446-450	4.7	25
41	Interstellar Hydroxyl Masers in the Galaxy. II. Zeeman Pairs and the Galactic Magnetic Field. <i>Astrophysical Journal</i> , 2003 , 596, 328-343	4.7	72
40	Molecular gas in the host galaxy of a quasar at redshift $z = 6.42$. <i>Nature</i> , 2003 , 424, 406-8	50.4	234
39	Properties of Millimeter Galaxies: Constraints from K-Band Blank Fields. <i>Astrophysical Journal</i> , 2002 , 573, 473-484	4.7	63
38	Jets and Outflows from Massive Protostars. <i>Highlights of Astronomy</i> , 2002 , 12, 153-155		
37	Detection of the Winds from the Exciting Sources of Shell H [CSC] Regions in NGC 6334. <i>Astronomical Journal</i> , 2002 , 123, 2574-2582	4.9	38
36	High-Resolution Imaging of Molecular Line Emission from High-Redshift QSOs. <i>Astronomical Journal</i> , 2002 , 123, 1838-1846	4.9	96
35	Water Maser Emission from the Active Nucleus in M51. <i>Astrophysical Journal</i> , 2001 , 560, L37-L40	4.7	42
34	Interstellar Hydroxyl Masers in the Galaxy. I. The VLA Survey. <i>Astrophysical Journal, Supplement Series</i> , 2000 , 129, 159-227	8	168

33	Detection of CO (2 Σ) and Radio Continuum Emission from the [CLC][ITAL]z[/ITAL][[/CLC] = 4.4 QSO BRI 13350417. <i>Astrophysical Journal</i> , 1999 , 521, L25-L28	4.7	32
32	Dust Continuum Imaging of the HH 24 Region in L1630. <i>Astrophysical Journal</i> , 1999 , 527, 856-865	4.7	34
31	Hot Gas and Dust in a Protostellar Cluster near W3(OH). <i>Astrophysical Journal</i> , 1999 , 514, L43-L46	4.7	100
30	The Synchrotron Jet from the H ₂ O Maser Source in W3(OH). <i>Astrophysical Journal</i> , 1999 , 513, 775-779	4.7	60
29	Redshifted Neutral Hydrogen 21 Centimeter Absorption toward Red Quasars. <i>Astrophysical Journal</i> , 1998 , 494, 175-182	4.7	86
28	VLA Observations of the Sagittarius D Star-forming Region. <i>Astrophysical Journal</i> , 1998 , 493, 274-290	4.7	28
27	Neutral Hydrogen 21 [CLC]cm[/CLC] Absorption at Redshift 2.6365 toward the Gravitational Lens MG J0414+0534. <i>Astrophysical Journal</i> , 1998 , 510, L87-L90	4.7	32
26	SiO and H ₂ O Masers in the Central Parsec of the Galaxy. <i>International Astronomical Union Colloquium</i> , 1998 , 164, 229-230		1
25	Imaging the Absorbing Cloud at z = 0.88582 toward 1830011. <i>International Astronomical Union Colloquium</i> , 1998 , 164, 317-318		4
24	Infrared Space Observatory Long Wavelength Spectrometer Observations of a Cold Giant Molecular Cloud Core near the Galactic Center. <i>Astrophysical Journal</i> , 1998 , 507, 794-804	4.7	56
23	Neutral Hydrogen 21 Centimeter Absorption at Redshift 0.673 toward 1504+377. <i>Astrophysical Journal</i> , 1997 , 474, L89-L93	4.7	12
22	Radio Photospheres of Long-Period Variable Stars. <i>Astrophysical Journal</i> , 1997 , 476, 327-346	4.7	166
21	Physical Parameters of the IRC +10216 Circumstellar Envelope: New Constraints from Submillimeter Observations. <i>Astrophysical Journal</i> , 1997 , 483, 913-924	4.7	78
20	The Position of Sagittarius A*: Accurate Alignment of the Radio and Infrared Reference Frames at the Galactic Center. <i>Astrophysical Journal</i> , 1997 , 475, L111-L114	4.7	123
19	44 GHz Methanol Masers and Quasi-thermal Emission in Sagittarius B2. <i>Astrophysical Journal</i> , 1997 , 474, 346-361	4.7	53
18	Redshifted Molecular Absorption Systems toward PKS 1830011 and B0218+357: Submillimeter CO, C [CSC]i[/CSC], and H[TINF]2[/TINF]O Data. <i>Astrophysical Journal</i> , 1997 , 488, L31-L34	4.7	31
17	Formaldehyde Absorption at [ITAL]z[/ITAL] = 0.685 toward the Einstein Ring B0218+357. <i>Astrophysical Journal</i> , 1996 , 465, L99-L102	4.7	39
16	Detection of Ammonia Emission toward Oxygen-rich Evolved Stars. <i>Astrophysical Journal</i> , 1995 , 448, 416	4.7	21

15	What is powering the Orion Kleinmann-low infrared nebula. <i>Astrophysical Journal</i> , 1995 , 445, L157	4.7	161
14	Discovery of Strong Vibrationally Excited Water Masers at 658 GHz[CLC]z[/CLC] toward Evolved Stars. <i>Astrophysical Journal</i> , 1995 , 450, L67-L70	4.7	56
13	Detection of formaldehyde maser emission near the ultracompact H II region G29.96-0.02. <i>Astrophysical Journal</i> , 1994 , 430, L129	4.7	21
12	Discovery of Interstellar Water Lines at 437, 439, and 471 GHz: Strong Case for Water Maser Formation behind C-Type Shocks. <i>Astrophysical Journal</i> , 1993 , 416, L37	4.7	47
11	321 GHz submillimeter water masers around evolved stars. <i>Astrophysical Journal</i> , 1991 , 377, 647	4.7	43
10	VLBI observations of interstellar ammonia masers. <i>Astrophysical Journal</i> , 1991 , 373, L13	4.7	16
9	The discovery of a new, very strong, and widespread interstellar methanol maser line. <i>Astrophysical Journal</i> , 1991 , 380, L75	4.7	305
8	Detection of widespread strong methanol masers at 44 GHz. <i>Astrophysical Journal</i> , 1990 , 354, 556	4.7	72
7	Submillimeter water masers. <i>Astrophysical Journal</i> , 1990 , 350, L41	4.7	62
6	A new submillimeter water maser transition at 325 GHz. <i>Astrophysical Journal</i> , 1990 , 363, L27	4.7	60
5	Observations of various methanol maser transitions toward the NGC 6334 region. <i>Astrophysical Journal</i> , 1989 , 341, 839	4.7	23
4	Detection of three new methanol maser transitions toward star-forming regions. <i>Astrophysical Journal</i> , 1989 , 346, 330	4.7	17
3	Hot water around late-type stars - Detection of two millimeter-wave emission lines from the ν_2 vibrationally excited state. <i>Astrophysical Journal</i> , 1989 , 341, L91	4.7	34
2	Detection of a strong new maser line of methanol toward DR 21(OH). <i>Astrophysical Journal</i> , 1988 , 329, L117	4.7	48
1	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> ,	12.1	13