

# Emmanuel Momjian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8697812/publications.pdf>

Version: 2024-02-01

93  
papers

2,641  
citations

218677

26  
h-index

206112

48  
g-index

94  
all docs

94  
docs citations

94  
times ranked

2843  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Arecibo Legacy Fast ALFA Survey. I. Science Goals, Survey Design, and Strategy. <i>Astronomical Journal</i> , 2005, 130, 2598-2612.	4.7	636
2	The spin temperature of high-redshift damped Lyman $\hat{\pm}$ systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 2131-2166.	4.4	95
3	HIGHEST REDSHIFT IMAGE OF NEUTRAL HYDROGEN IN EMISSION: A CHILES DETECTION OF A STARBURSTING GALAXY AT $z = 0.376$ . <i>Astrophysical Journal Letters</i> , 2016, 824, L1.	8.3	89
4	PROBING THE INTERSTELLAR MEDIUM AND STAR FORMATION OF THE MOST LUMINOUS QUASAR AT $z\hat{=}\hat{A}6.3$ . <i>Astrophysical Journal</i> , 2016, 830, 53.	4.5	86
5	HIGH-RESOLUTION RADIO CONTINUUM MEASUREMENTS OF THE NUCLEAR DISKS OF Arp 220. <i>Astrophysical Journal</i> , 2015, 799, 10.	4.5	69
6	THE ARECIBO ARP 220 SPECTRAL CENSUS. I. DISCOVERY OF THE PRE-BIOTIC MOLECULE METHANIMINE AND NEW CM-WAVELENGTH TRANSITIONS OF OTHER MOLECULES. <i>Astronomical Journal</i> , 2008, 136, 389-399.	4.7	64
7	Early Science from GOTHAM: Project Overview, Methods, and the Detection of Interstellar Propargyl Cyanide (HCCCH <sub>2</sub> CN) in TMC-1. <i>Astrophysical Journal Letters</i> , 2020, 900, L10.	8.3	60
8	The GOODS-N Jansky VLA 10 GHz Pilot Survey: Sizes of Star-forming $\hat{1}\frac{1}{4}$ JY Radio Sources. <i>Astrophysical Journal</i> , 2017, 839, 35.	4.5	55
9	The Discovery of a Highly Accreting, Radio-loud Quasar at $z = 6.82$ . <i>Astrophysical Journal</i> , 2021, 909, 80.	4.5	55
10	Formation of a Quasar Host Galaxy through a Wet Merger 1.4 Billion Years after the Big Bang. <i>Astrophysical Journal</i> , 2008, 686, L9-L12.	4.5	54
11	A PILOT FOR A VERY LARGE ARRAY H I DEEP FIELD. <i>Astrophysical Journal Letters</i> , 2013, 770, L29.	8.3	53
12	A Powerful Radio-loud Quasar at the End of Cosmic Reionization. <i>Astrophysical Journal Letters</i> , 2018, 861, L14.	8.3	50
13	Dense gas is not enough: environmental variations in the star formation efficiency of dense molecular gas at 100 pc scales in M 51. <i>Astronomy and Astrophysics</i> , 2019, 625, A19.	5.1	47
14	The faint radio sky: VLBA observations of the COSMOS field. <i>Astronomy and Astrophysics</i> , 2017, 607, A132.	5.1	46
15	Late-time Observations of the Afterglow and Environment of GRB 030329. <i>Astrophysical Journal</i> , 2005, 622, 986-990.	4.5	46
16	The Arecibo Galaxy Environment Survey - II. A $\hat{H}\hat{e}$ fi view of the Abell cluster 1367 and its outskirts. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 383, 1519-1537.	4.4	44
17	Far-infrared Properties of the Bright, Gravitationally Lensed Quasar J0439+1634 at $z\hat{=}\hat{A}6.5$ . <i>Astrophysical Journal</i> , 2019, 880, 153.	4.5	42
18	A 33 GHz Survey of Local Major Mergers: Estimating the Sizes of the Energetically Dominant Regions from High-resolution Measurements of the Radio Continuum. <i>Astrophysical Journal</i> , 2017, 843, 117.	4.5	37

#	ARTICLE	IF	CITATIONS
19	Parsec-scale structures and diffuse bands in a translucent interstellar medium at $z \approx 0.079$ . Monthly Notices of the Royal Astronomical Society, 2013, 428, 2198-2206.	4.4	36
20	COMPLEX RADIO SPECTRAL ENERGY DISTRIBUTIONS IN LUMINOUS AND ULTRALUMINOUS INFRARED GALAXIES. Astrophysical Journal Letters, 2011, 739, L25.	8.3	35
21	USING 21 cm ABSORPTION IN SMALL IMPACT PARAMETER GALAXY-QUASAR PAIRS TO PROBE LOW-REDSHIFT DAMPED AND SUB-DAMPED Ly $\alpha$ SYSTEMS. Astrophysical Journal, 2010, 713, 131-145.	4.5	34
22	Survey of Water and Ammonia in Nearby Galaxies (SWAN): Resolved Ammonia Thermometry, and Water and Methanol Masers in the Nuclear Starburst of NGC 253. Astrophysical Journal, 2017, 842, 124.	4.5	32
23	Constraining the Quasar Radio-loud Fraction at $z \approx 6$ with Deep Radio Observations. Astrophysical Journal, 2021, 908, 124.	4.5	30
24	CHILES VI: H $\alpha$ and H $\alpha$ observations for $z < 0.1$ galaxies; probing H $\alpha$ spin alignment with filaments in the cosmic web. Monthly Notices of the Royal Astronomical Society, 2020, 492, 153-176.	4.4	29
25	Absorption Line Study of Halo Gas in NGC 3067 toward the Background Quasar 3C 232. Astrophysical Journal, 2005, 622, 267-278.	4.5	27
26	VERY LARGE ARRAY AND VERY LONG BASELINE ARRAY OBSERVATIONS OF THE HIGHEST REDSHIFT RADIO-LOUD QSO J1427+3312 AT $z = 6.12$ . Astronomical Journal, 2008, 136, 344-349.	4.7	27
27	The Star Formation in Radio Survey: Jansky Very Large Array 33 GHz Observations of Nearby Galaxy Nuclei and Extranuclear Star-forming Regions. Astrophysical Journal, Supplement Series, 2018, 234, 24.	7.7	26
28	Resolving the Powerful Radio-loud Quasar at $z \approx 6$ . Astrophysical Journal, 2018, 861, 86.	4.5	26
29	Circumnuclear and infalling H $\alpha$ gas in a merging galaxy pair at $z \approx 0.123$ . Monthly Notices of the Royal Astronomical Society, 2015, 451, 917-926.	4.4	24
30	H $\alpha$ 21-cm absorption survey of quasar-galaxy pairs: distribution of cold gas around $z \approx 0.4$ galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 465, 588-618.	4.4	24
31	The Star Formation in Radio Survey: 33 GHz Imaging of Nearby Galaxy Nuclei and Extranuclear Star-forming Regions. Astrophysical Journal, Supplement Series, 2020, 248, 25.	7.7	24
32	CHILES: H $\alpha$ morphology and galaxy environment at $z = 0.12$ and $z = 0.17$ . Monthly Notices of the Royal Astronomical Society, 2019, 484, 2234-2256.	4.4	23
33	Sensitive Very Long Baseline Interferometry Studies of the OH Megamaser Emission from IRAS 17208+0014. Astrophysical Journal, 2006, 653, 1172-1179.	4.5	22
34	DETECTION OF THE ZEEMAN EFFECT IN THE 36 GHz CLASS I CH $_3$ OH MASER LINE WITH THE EVLA. Astrophysical Journal, 2009, 705, L176-L179.	4.5	22
35	A GREEN BANK TELESCOPE SURVEY FOR H I 21 cm ABSORPTION IN THE DISKS AND HALOS OF LOW-REDSHIFT GALAXIES. Astrophysical Journal, 2011, 727, 52.	4.5	22
36	THE ARECIBO BAND FEED ARRAY ZONE OF AVOIDANCE SURVEY. I. PRECURSOR OBSERVATIONS THROUGH THE INNER AND OUTER GALAXY. Astronomical Journal, 2010, 139, 2130-2147.	4.7	21

#	ARTICLE	IF	CITATIONS
37	A New Detection of Extragalactic Anomalous Microwave Emission in a Compact, Optically Faint Region of NGC 4725. <i>Astrophysical Journal</i> , 2018, 862, 20.	4.5	20
38	Blind H i and OH Absorption Line Search: First Results with MALS and uGMRT Processed Using ARTIP. <i>Astrophysical Journal</i> , 2021, 907, 11.	4.5	20
39	Sensitive VLBI Observations of the $F=4.7$ QSO BRI 1202-0725. <i>Astronomical Journal</i> , 2005, 129, 1809-1817.	4.7	19
40	SMALL-SCALE PROPERTIES OF ATOMIC GAS IN EXTENDED DISKS OF GALAXIES. <i>Astrophysical Journal</i> , 2014, 795, 98.	4.5	19
41	MICROWAVE CONTINUUM EMISSION AND DENSE GAS TRACERS IN NGC 3627: COMBINING JANSKY VLA AND ALMA OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 813, 118.	4.5	19
42	Survey of Water and Ammonia in Nearby Galaxies (SWAN): Resolved Ammonia Thermometry and Water and Methanol Masers in IC 342, NGC 6946, and NGC 2146. <i>Astrophysical Journal</i> , 2018, 856, 134.	4.5	19
43	THE HIGHEST REDSHIFT QUASAR AT $z = 7.085$ : A RADIO-QUIET SOURCE. <i>Astronomical Journal</i> , 2014, 147, 6.	4.7	17
44	THE ZEEMAN EFFECT IN THE 44 GHz CLASS I METHANOL MASER LINE TOWARD DR21(OH). <i>Astrophysical Journal</i> , 2017, 834, 168.	4.5	17
45	Nature of Faint Radio Sources in GOODS-North and GOODS-South Fields. I. Spectral Index and Radio-FIR Correlation. <i>Astrophysical Journal</i> , 2019, 875, 80.	4.5	17
46	Enhanced X-Ray Emission from the Most Radio-powerful Quasar in the Universe's First Billion Years. <i>Astrophysical Journal</i> , 2021, 911, 120.	4.5	17
47	VLBA Observations of $z > 4$ Radio-loud Quasars. <i>Astronomical Journal</i> , 2004, 127, 587-591.	4.7	16
48	Large-scale Structure in CHILES Using DisPerSE. <i>Astronomical Journal</i> , 2019, 157, 254.	4.7	16
49	Imaging SKA-scale data in three different computing environments. <i>Astronomy and Computing</i> , 2016, 14, 8-22.	1.7	15
50	Discovery of OH Absorption from a Galaxy at $z \approx 0.05$ : Implications for Large Surveys with SKA Pathfinders. <i>Astrophysical Journal Letters</i> , 2018, 860, L22.	8.3	15
51	Resolving the Radio Emission from the Quasar P172+18 at $z = 6.82$ . <i>Astronomical Journal</i> , 2021, 161, 207.	4.7	15
52	A Comparison between Nuclear Ring Star Formation in LIRGs and in Normal Galaxies with the Very Large Array. <i>Astrophysical Journal</i> , 2021, 916, 73.	4.5	14
53	Dual AGN Candidates with Double-peaked [O iii] Lines Matching that of Confirmed Dual AGNs. <i>Astrophysical Journal</i> , 2020, 904, 23.	4.5	14
54	A Very Large Array Survey of Luminous Extranuclear Star-forming Regions in Luminous Infrared Galaxies in GOALS. <i>Astrophysical Journal</i> , 2019, 881, 70.	4.5	13

#	ARTICLE	IF	CITATIONS
55	A RADIO SPECTRAL LINE STUDY OF THE 2 Jy <i>IRAS</i> -NVSS SAMPLE. I. <i>Astronomical Journal</i> , 2010, 139, 2066-2082.	4.7	12
56	HIGH-RESOLUTION OBSERVATIONS OF MOLECULAR LINES IN ARP 220: KINEMATICS, MORPHOLOGY, AND LIMITS ON THE APPLICABILITY OF THE AMMONIA THERMOMETER. <i>Astrophysical Journal</i> , 2016, 833, 41.	4.5	12
57	Milliarcsecond Imaging of the Radio Emission from the Quasar with the Most Massive Black Hole at Reionization. <i>Astrophysical Journal Letters</i> , 2017, 835, L20.	8.3	12
58	PKS 1830+211: OH and H $\alpha$ at $z = 0.89$ and the first MeerKAT UHF spectrum. <i>Astronomy and Astrophysics</i> , 2021, 648, A116.	5.1	12
59	Diagnostics of a nuclear starburst: water and methanol masers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 5434-5443.	4.4	11
60	The VLA Frontier Field Survey: A Comparison of the Radio and UV/Optical Size of $0.3 \leq z \leq 3$ Star-forming Galaxies. <i>Astrophysical Journal</i> , 2021, 910, 106.	4.5	11
61	Evolution of Cold Gas at $z \leq 5$ : A Blind Search for H I and OH Absorption Lines toward Mid-infrared Color-selected Radio-loud AGN. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 28.	7.7	11
62	The Impact of Powerful Jets on the Far-infrared Emission of an Extreme Radio Quasar at $z \sim 6$ . <i>Astrophysical Journal</i> , 2021, 920, 150.	4.5	11
63	CHILES VERDES: Radio Variability at an Unprecedented Depth and Cadence in the COSMOS Field. <i>Astrophysical Journal</i> , 2021, 923, 31.	4.5	11
64	High Sensitivity Array Observations of the $z = 4.4$ QSO BRI 1335-0417. <i>Astronomical Journal</i> , 2007, 134, 694-697.	4.7	10
65	HIGH-SENSITIVITY ARRAY OBSERVATIONS OF THE $z = 1.87$ SUBMILLIMETER GALAXY GOODS 850-3. <i>Astronomical Journal</i> , 2010, 139, 1622-1627.	4.7	10
66	Discovery of a Damped Ly $\alpha$ System in a Low- $z$ Galaxy Group: Possible Evidence for Gas Inflow and Nuclear Star Formation. <i>Astrophysical Journal</i> , 2019, 871, 239.	4.5	9
67	Discovery of CO absorption at $z = 0.05$ in G0248+430. <i>Astronomy and Astrophysics</i> , 2019, 623, A133.	5.1	9
68	NEW CONSTRAINTS ON THE MOLECULAR GAS IN THE PROTOTYPICAL HyLIRGs BRI 1202+0725 AND BRI 1335+0417. <i>Astrophysical Journal</i> , 2016, 830, 63.	4.5	8
69	VLBA+GBT observations of the COSMOS field and radio source counts at 1.4 GHz. <i>Astronomy and Astrophysics</i> , 2018, 616, A128.	5.1	8
70	The radio spectral turnover of radio-loud quasars at $z \leq 5$ . <i>Astronomy and Astrophysics</i> , 2022, 659, A159.	5.1	8
71	COMPARISON OF TWO EPOCHS OF THE ZEEMAN EFFECT IN THE 44 GHz CLASS I METHANOL (CH <sub>3</sub> OH) MASER LINE IN OMC-2. <i>Astronomical Journal</i> , 2012, 144, 189.	4.7	7
72	The VLA Frontier Fields Survey: Deep, High-resolution Radio Imaging of the MACS Lensing Clusters at 3 and 6 GHz. <i>Astrophysical Journal</i> , 2021, 910, 105.	4.5	7

#	ARTICLE	IF	CITATIONS
73	The Arecibo L-band Feed Array Zone of Avoidance (ALFAZOA) Shallow Survey. <i>Astronomical Journal</i> , 2019, 158, 234.	4.7	4
74	The MeerKAT Absorption Line Survey (MALS)., 2018, , .		4
75	Whereâ€™s the Dust?: The Deepening Anomaly of Microwave Emission in NGC 4725 B. <i>Astrophysical Journal Letters</i> , 2020, 905, L23.	8.3	4
76	DIISC-I: The Discovery of Kinematically Anomalous H i Clouds in M 100. <i>Astrophysical Journal</i> , 2021, 922, 69.	4.5	4
77	CHILES. VII. Deep Imaging for the CHILES Project, an SKA Prototype. <i>Astronomical Journal</i> , 2022, 163, 59.	4.7	4
78	MALS SALT-NOT Survey of MIR-selected Powerful Radio-bright AGN at $0 < z < 3.5$ . <i>Astrophysical Journal</i> , 2022, 929, 108.	4.5	4
79	The Zeeman Effect in the 44 GHz Class I Methanol (CH <sub>3</sub> OH) Maser Line toward DR21W. <i>Astrophysical Journal</i> , 2019, 872, 12.	4.5	3
80	Discovery of methanimine (CH <sub>2</sub> NH) megamasers toward compact obscured galaxy nuclei. <i>Astronomy and Astrophysics</i> , 2021, 654, A110.	5.1	3
81	DIISC-II: Unveiling the Connections between Star Formation and Interstellar Medium in the Extended Ultraviolet Disk of NGC 3344. <i>Astrophysical Journal</i> , 2021, 923, 199.	4.5	3
82	Exploring the Radio Spectral Energy Distribution of the Ultraluminous Radio-quiet Quasar SDSS J0100+2802 at Redshift 6.3. <i>Astrophysical Journal</i> , 2022, 929, 69.	4.5	3
83	The Hawaii SCUBA-2 Lensing Cluster Survey: Radio-detected Submillimeter Galaxies in the HST Frontier Fields. <i>Astrophysical Journal</i> , 2017, 840, 29.	4.5	2
84	The first VLBI detection of a spiral DRAGN core. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 478, L99-L104.	3.3	2
85	A Dual Black Hole Associated with Obscured and Unobscured AGNs: CXO J101527.2+625911. <i>Astrophysical Journal</i> , 2019, 882, 149.	4.5	2
86	A Curious Case of Circular Polarization in the 25 GHz Methanol Maser Line toward OMC-1. <i>Astrophysical Journal</i> , 2020, 890, 6.	4.5	2
87	Mapping H <sub>2</sub> 21-cm in the Klemola 31 group at $z = 0.029$ : emission and absorption towards PKS 2020â”370. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 2050-2061.	4.4	2
88	Discovery of a Damped Ly $\alpha$ Absorber Originating in a Spectacular Interacting Dwarf Galaxy Pair at $z = 0.026$ . <i>Astrophysical Journal Letters</i> , 2022, 926, L33.	8.3	1
89	H i Gas Playing Hide-and-seek around a Powerful FRI-type Quasar at $z \approx 2.1$ . <i>Astrophysical Journal Letters</i> , 2022, 927, L24.	8.3	1
90	SWAN: NGC 253's Nucleated Star Bursting Environment. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, .	0.0	0

#	ARTICLE	IF	CITATIONS
91	Zeeman Effect Observations in Class I Methanol Masers. Proceedings of the International Astronomical Union, 2018, 14, 140-140.	0.0	0
92	Preliminary results from prebiotic molecules with ALMA in the era of artificial intelligence. Proceedings of the International Astronomical Union, 2019, 15, 248-250.	0.0	0
93	Long-term Variability of Class I Methanol Masers in the High-mass Star-forming Region DR21(OH). Astrophysical Journal, 2022, 930, 114.	4.5	0