

# Emmanuel Momjian

## List of Publications by Year in descending order

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93  
papers

2,641  
citations

218677

26  
h-index

206112

48  
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94  
all docs

94  
docs citations

94  
times ranked

2843  
citing authors

#	ARTICLE	IF	CITATIONS
1	CHILES. VII. Deep Imaging for the CHILES Project, an SKA Prototype. <i>Astronomical Journal</i> , 2022, 163, 59.	4.7	4
2	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
3	The radio spectral turnover of radio-loud quasars at $z > 5$ . <i>Astronomy and Astrophysics</i> , 2022, 659, A159.	5.1	8
4	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
5	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
6	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
7	Long-term Variability of Class I Methanol Masers in the High-mass Star-forming Region DR21(OH). <i>Astrophysical Journal</i> , 2022, 930, 114.	4.5	0
8	Mapping H $\alpha$ 21-cm in the Klemola 31 group at $z = 0.029$ : emission and absorption towards PKS 2020+370. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 2050-2061.	4.4	2
9	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
10	Constraining the Quasar Radio-loud Fraction at $z \approx 6$ with Deep Radio Observations. <i>Astrophysical Journal</i> , 2021, 908, 124.	4.5	30
11	The Discovery of a Highly Accreting, Radio-loud Quasar at $z = 6.82$ . <i>Astrophysical Journal</i> , 2021, 909, 80.	4.5	55
12	The VLA Frontier Field Survey: A Comparison of the Radio and UV/Optical Size of $0.3 < z < 3$ Star-forming Galaxies. <i>Astrophysical Journal</i> , 2021, 910, 106.	4.5	11
13	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
14	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
15	Resolving the Radio Emission from the Quasar P172+18 at $z = 6.82$ . <i>Astronomical Journal</i> , 2021, 161, 207.	4.7	15
16	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
17	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
18	Evolution of Cold Gas at $2 < z < 5$ : 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

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19	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
20	The Impact of Powerful Jets on the Far-infrared Emission of an Extreme Radio Quasar at $z \approx 6$ . <i>Astrophysical Journal</i> , 2021, 920, 150.	4.5	11
21	DIISC-I: The Discovery of Kinematically Anomalous H I Clouds in M 100. <i>Astrophysical Journal</i> , 2021, 922, 69.	4.5	4
22	CHILES VERDES: Radio Variability at an Unprecedented Depth and Cadence in the COSMOS Field. <i>Astrophysical Journal</i> , 2021, 923, 31.	4.5	11
23	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
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. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 153-176.	4.4	29
25	The Star Formation in Radio Survey: 3 $\sigma$ 33 GHz Imaging of Nearby Galaxy Nuclei and Extranuclear Star-forming Regions. <i>Astrophysical Journal, Supplement Series</i> , 2020, 248, 25.	7.7	24
26	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
27	Where's the Dust?: The Deepening Anomaly of Microwave Emission in NGC 4725 B. <i>Astrophysical Journal Letters</i> , 2020, 905, L23.	8.3	4
28	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
29	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
30	Large-scale Structure in CHILES Using DisPerSE. <i>Astronomical Journal</i> , 2019, 157, 254.	4.7	16
31	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
32	Far-infrared Properties of the Bright, Gravitationally Lensed Quasar J0439+1634 at $z \approx 6.5$ . <i>Astrophysical Journal</i> , 2019, 880, 153.	4.5	42
33	A Dual Black Hole Associated with Obscured and Unobscured AGNs: CXO J101527.2+625911. <i>Astrophysical Journal</i> , 2019, 882, 149.	4.5	2
34	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
35	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
36	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

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37	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
38	CHILES: H $\alpha$ morphology and galaxy environment at $z = 0.12$ and $z = 0.17$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 2234-2256.	4.4	23
39	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
40	Preliminary results from prebiotic molecules with ALMA in the era of artificial intelligence. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 248-250.	0.0	0
41	Discovery of CO absorption at $z = 0.05$ in G0248+430. <i>Astronomy and Astrophysics</i> , 2019, 623, A133.	5.1	9
42	The Arecibo L-band Feed Array Zone of Avoidance (ALFAZOA) Shallow Survey. <i>Astronomical Journal</i> , 2019, 158, 234.	4.7	4
43	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
44	Zeeman Effect Observations in Class I Methanol Masers. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 140-140.	0.0	0
45	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
46	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
47	The Star Formation in Radio Survey: Jansky Very Large Array 33 GHz Observations of Nearby Galaxy Nuclei and Extranuclear Star-forming Regions. <i>Astrophysical Journal, Supplement Series</i> , 2018, 234, 24.	7.7	26
48	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
49	Resolving the Powerful Radio-loud Quasar at $z \approx 6$ . <i>Astrophysical Journal</i> , 2018, 861, 86.	4.5	26
50	A Powerful Radio-loud Quasar at the End of Cosmic Reionization. <i>Astrophysical Journal Letters</i> , 2018, 861, L14.	8.3	50
51	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
52	The MeerKAT Absorption Line Survey (MALS)., 2018, , .		4
53	The GOODS-N Jansky VLA 10 GHz Pilot Survey: Sizes of Star-forming $\sim 1$ JY Radio Sources. <i>Astrophysical Journal</i> , 2017, 839, 35.	4.5	55
54	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

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55	Survey of Water and Ammonia in Nearby Galaxies (SWAN): Resolved Ammonia Thermometry, and Water and Methanol Masers in the Nuclear Starburst of NGC 253. <i>Astrophysical Journal</i> , 2017, 842, 124.	4.5	32
56	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
57	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
58	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
59	H $\alpha$ 21-cm absorption survey of quasar-galaxy pairs: distribution of cold gas around $z \sim 0.4$ galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 588-618.	4.4	24
60	The faint radio sky: VLBA observations of the COSMOS field. <i>Astronomy and Astrophysics</i> , 2017, 607, A132.	5.1	46
61	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
62	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
63	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
64	PROBING THE INTERSTELLAR MEDIUM AND STAR FORMATION OF THE MOST LUMINOUS QUASAR AT $z \sim 6.3$ . <i>Astrophysical Journal</i> , 2016, 830, 53.	4.5	86
65	Imaging SKA-scale data in three different computing environments. <i>Astronomy and Computing</i> , 2016, 14, 8-22.	1.7	15
66	Circumnuclear and infalling H $\alpha$ gas in a merging galaxy pair at $z \sim 0.123$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 917-926.	4.4	24
67	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
68	SWAN: NGC 253's Nucleated Star Bursting Environment. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, .	0.0	0
69	HIGH-RESOLUTION RADIO CONTINUUM MEASUREMENTS OF THE NUCLEAR DISKS OF Arp 220. <i>Astrophysical Journal</i> , 2015, 799, 10.	4.5	69
70	SMALL-SCALE PROPERTIES OF ATOMIC GAS IN EXTENDED DISKS OF GALAXIES. <i>Astrophysical Journal</i> , 2014, 795, 98.	4.5	19
71	The spin temperature of high-redshift damped Lyman $\alpha$ systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 2131-2166.	4.4	95
72	THE HIGHEST REDSHIFT QUASAR AT $z = 7.085$ : A RADIO-QUIET SOURCE. <i>Astronomical Journal</i> , 2014, 147, 6.	4.7	17

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73	A PILOT FOR A VERY LARGE ARRAY H I DEEP FIELD. <i>Astrophysical Journal Letters</i> , 2013, 770, L29.	8.3	53
74	Parsec-scale structures and diffuse bands in a translucent interstellar medium at $z \approx 0.079$ .... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 2198-2206.	4.4	36
75	COMPARISON OF TWO EPOCHS OF THE ZEEMAN EFFECT IN THE 44 GHz CLASS I METHANOL ( $\text{CH}_3\text{OH}$ ) MASER LINE IN OMC-2. <i>Astronomical Journal</i> , 2012, 144, 189.	4.7	7
76	A GREEN BANK TELESCOPE SURVEY FOR H I 21 cm ABSORPTION IN THE DISKS AND HALOS OF LOW-REDSHIFT GALAXIES. <i>Astrophysical Journal</i> , 2011, 727, 52.	4.5	22
77	COMPLEX RADIO SPECTRAL ENERGY DISTRIBUTIONS IN LUMINOUS AND ULTRALUMINOUS INFRARED GALAXIES. <i>Astrophysical Journal Letters</i> , 2011, 739, L25.	8.3	35
78	USING 21 cm ABSORPTION IN SMALL IMPACT PARAMETER GALAXY-QUASAR PAIRS TO PROBE LOW-REDSHIFT DAMPED AND SUB-DAMPED $\text{Ly}\alpha$ SYSTEMS. <i>Astrophysical Journal</i> , 2010, 713, 131-145.	4.5	34
79	A RADIO SPECTRAL LINE STUDY OF THE 2 Jy IRAS-NVSS SAMPLE. I. <i>Astronomical Journal</i> , 2010, 139, 2066-2082.	4.7	12
80	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
81	THE ARECIBO $\text{L}$ -BAND FEED ARRAY ZONE OF AVOIDANCE SURVEY. I. PRECURSOR OBSERVATIONS THROUGH THE INNER AND OUTER GALAXY. <i>Astronomical Journal</i> , 2010, 139, 2130-2147.	4.7	21
82	DETECTION OF THE ZEEMAN EFFECT IN THE 36 GHz CLASS I $\text{CH}_3\text{OH}$ MASER LINE WITH THE EVLA. <i>Astrophysical Journal</i> , 2009, 705, L176-L179.	4.5	22
83	VERY LARGE ARRAY AND VERY LONG BASELINE ARRAY OBSERVATIONS OF THE HIGHEST REDSHIFT RADIO-LOUD QSO J1427+3312 AT $z = 6.12$ . <i>Astronomical Journal</i> , 2008, 136, 344-349.	4.7	27
84	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
85	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
86	High Sensitivity Array Observations of the $z = 4.4$ QSO BRI 1335-0417. <i>Astronomical Journal</i> , 2007, 134, 694-697.	4.7	10
87	Sensitive Very Long Baseline Interferometry Studies of the OH Megamaser Emission from IRAS 17208+0014. <i>Astrophysical Journal</i> , 2006, 653, 1172-1179.	4.5	22
88	Absorption Line Study of Halo Gas in NGC 3067 toward the Background Quasar 3C 232. <i>Astrophysical Journal</i> , 2005, 622, 267-278.	4.5	27
89	Sensitive VLBI Observations of the $[F] = 4.7 [F]$ QSO BRI 1202-0725. <i>Astronomical Journal</i> , 2005, 129, 1809-1817.	4.7	19
90	The Arecibo Legacy Fast ALFA Survey. I. Science Goals, Survey Design, and Strategy. <i>Astronomical Journal</i> , 2005, 130, 2598-2612.	4.7	636

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91	Late-Time Observations of the Afterglow and Environment of GRB 030329. <i>Astrophysical Journal</i> , 2005, 622, 986-990.	4.5	46
92	VLBA Observations of $z > 4$ Radio-loud Quasars. <i>Astronomical Journal</i> , 2004, 127, 587-591.	4.7	16
93	The Arecibo Galaxy Environment Survey - II. A <i>H&amp;I</i> 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