

Carl

List of Publications by Year in descending order

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56
papers

2,941
citations

304368

22
h-index

233125

45
g-index

56
all docs

56
docs citations

56
times ranked

2381
citing authors

#	ARTICLE	IF	CITATIONS
1	Whence the Interstellar Magnetic Field Shaping the Heliosphere?. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 48.	3.0	9
2	Shocks and Molecules in Diffuse Interstellar Cloud Pairs. <i>Astrophysical Journal</i> , 2021, 909, 71.	1.6	3
3	Tiny-scale Structure Discovered toward PSR B1557-50. <i>Astrophysical Journal Letters</i> , 2021, 911, L13.	3.0	1
4	The Measurement of Polarization in Radio Astronomy. , 2021, , 127-158.		6
5	Middle Corona Magnetic Field Strength Determined by Spacecraft Radio Faraday Rotation. <i>Research Notes of the AAS</i> , 2021, 5, 165.	0.3	3
6	The MACH Hi Absorption Survey. I. Physical Conditions of Cold Atomic Gas outside of the Galactic Plane. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 37.	3.0	9
7	OH Evolution in Molecular Clouds. <i>Astrophysical Journal, Supplement Series</i> , 2021, 252, 1.	3.0	8
8	Precise Measurements of CH Maser Emission and Its Abundance in Translucent Clouds. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 47.	3.0	1
9	Small-scale Structure Traced by Neutral Hydrogen Absorption in the Direction of Multiple-component Radio Continuum Sources. <i>Astrophysical Journal</i> , 2020, 893, 152.	1.6	4
10	Exploring the Properties of Warm and Cold Atomic Hydrogen in the Taurus and Gemini Regions. <i>Astrophysical Journal</i> , 2019, 880, 141.	1.6	24
11	A broad-band spectro-polarimetric view of the NVSS rotation measure catalogue – I. Breaking the π -ambiguity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 3432-3453.	1.6	15
12	A broad-band spectro-polarimetric view of the NVSS rotation measure catalogue – II. Effects of off-axis instrumental polarization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 3454-3469.	1.6	10
13	Where is OH and Does It Trace the Dark Molecular Gas (DMG)?. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 1.	3.0	42
14	The GALFA-H I Survey Data Release 2. <i>Astrophysical Journal, Supplement Series</i> , 2018, 234, 2.	3.0	73
15	The 21-SPONGE H I Absorption Line Survey. I. The Temperature of Galactic H I. <i>Astrophysical Journal, Supplement Series</i> , 2018, 238, 14.	3.0	74
16	Dust-Gas Scaling Relations and OH Abundance in the Galactic ISM. <i>Astrophysical Journal</i> , 2018, 862, 49.	1.6	49
17	The first detection of neutral hydrogen in emission in a strong spiral lens. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 3097-3105.	1.6	2
18	Simple Hydrides (OH and CH) Trace the Dark Molecular Gas. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 261-264.	0.0	0

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19	Plasma Interactions with the Space Environment in the Acceleration Region: Indications of CME-trailing Reconnection Regions. <i>Astrophysical Journal</i> , 2018, 861, 118.	1.6	8
20	VARIATIONS BETWEEN DUST AND GAS IN THE DIFFUSE INTERSTELLAR MEDIUM. II. SEARCH FOR COLD GAS. <i>Astrophysical Journal</i> , 2017, 834, 63.	1.6	11
21	Recovering Interstellar Gas Properties with Hi Spectral Lines: A Comparison between Synthetic Spectra and 21-SPONGE. <i>Astrophysical Journal</i> , 2017, 837, 55.	1.6	21
22	OH Survey along Sightlines of Galactic Observations of Terahertz C+. <i>Astrophysical Journal</i> , 2017, 839, 8.	1.6	14
23	Variations between Dust and Gas in the Diffuse Interstellar Medium. III. Changes in Dust Properties. <i>Astrophysical Journal</i> , 2017, 851, 119.	1.6	10
24	Radio Polarisation Study of High Rotation Measure AGNs. <i>Galaxies</i> , 2017, 5, 66.	1.1	3
25	COLD AND WARM ATOMIC GAS AROUND THE PERSEUS MOLECULAR CLOUD. II. THE IMPACT OF HIGH OPTICAL DEPTH ON THE HI COLUMN DENSITY DISTRIBUTION AND ITS IMPLICATION FOR THE HI-TO-H ₂ TRANSITION. <i>Astrophysical Journal</i> , 2015, 809, 56.	1.6	70
26	VARIATIONS BETWEEN DUST AND GAS IN THE DIFFUSE INTERSTELLAR MEDIUM. <i>Astrophysical Journal</i> , 2015, 811, 118.	1.6	31
27	AUTONOMOUS GAUSSIAN DECOMPOSITION. <i>Astronomical Journal</i> , 2015, 149, 138.	1.9	53
28	THE 21-SPONGE H I ABSORPTION SURVEY. I. TECHNIQUES AND INITIAL RESULTS. <i>Astrophysical Journal</i> , 2015, 804, 89.	1.6	60
29	QUANTIFYING DARK GAS. <i>Publications of the Korean Astronomical Society</i> , 2015, 30, 75-78.	0.1	8
30	COLD AND WARM ATOMIC GAS AROUND THE PERSEUS MOLECULAR CLOUD. I. BASIC PROPERTIES. <i>Astrophysical Journal</i> , 2014, 793, 132.	1.6	55
31	Measurements of Faraday Rotation Through the Solar Corona During the 2009 Solar Minimum with the MESSENGER Spacecraft. <i>Solar Physics</i> , 2013, 285, 83-95.	1.0	15
32	Zeeman Splitting in the Diffuse ISM. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 428-429.	0.0	0
33	Our Local Superbubble and Local Bubble Environments. , 2009, , .		0
34	The magnetic field in luminous star-forming galaxies. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 493-498.	0.0	0
35	Magnetic fields in irregular galaxies. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 555-556.	0.0	1
36	The Milky Way Rotation Curve and Its Vertical Derivatives: Inside the Solar Circle. <i>Astrophysical Journal</i> , 2008, 679, 1288-1298.	1.6	71

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37	Zeeman splitting in OH megamasers. Proceedings of the International Astronomical Union, 2007, 3, 467-470.	0.0	0
38	The Millennium Arecibo 21 Centimeter Absorption Line Survey. IV. Statistics of Magnetic Field, Column Density, and Turbulence. Astrophysical Journal, 2005, 624, 773-793.	1.6	220
39	Observational Magnetogasdynamics: 21 Years of HI Zeeman Splitting Measurements and More. Astrophysics and Space Science, 2004, 292, 77-88.	0.5	5
40	The Millennium Arecibo 21 Centimeter Absorption Line Survey. I. Techniques and Gaussian Fits. Astrophysical Journal, Supplement Series, 2003, 145, 329-354.	3.0	131
41	The Millennium Arecibo 21 Centimeter Absorption Line Survey. II. Properties of the Warm and Cold Neutral Media. Astrophysical Journal, 2003, 586, 1067-1093.	1.6	456
42	All-Order Stokes Parameterization of the Main Beam and First Sidelobe for the Arecibo Radio Telescope. Publications of the Astronomical Society of the Pacific, 2001, 113, 1247-1273.	1.0	40
43	Tiny-Scale Atomic Structure and the Cold Neutral Medium. Astrophysical Journal, 1997, 481, 193-204.	1.6	171
44	Magnetic fields in galaxies and beyond. Nature, 1997, 385, 131-136.	13.7	233
45	Atomic and molecular gas in interstellar cirrus clouds. Astrophysical Journal, 1994, 429, 672.	1.6	121
46	The nature of unidentified far-infrared point sources. Astrophysical Journal, 1993, 412, 127.	1.6	12
47	Molecules, grains, and shocks - A comparison of CO, H I, and IRAS data. Astrophysical Journal, 1988, 332, 313.	1.6	65
48	A Warm Magnetoactive Plasma in a Large Volume of Space. International Astronomical Union Colloquium, 1984, 81, 263-267.	0.1	0
49	Hi Shells and Supershells. Symposium - International Astronomical Union, 1983, 101, 367-372.	0.1	0
50	A millisecond pulsar. Nature, 1982, 300, 615-618.	13.7	640
51	A new class of extraordinary HI shell. Symposium - International Astronomical Union, 1979, 84, 301-305.	0.1	0
52	An almost Complete Survey of 21 Centimeter Line Radiation for $ b $ Greater than or Equal to 10 Degrees. III. the Interdependence of H I, Galaxy Counts, Reddening, and Galactic Latitude. Astrophysical Journal, 1976, 204, 379.	1.6	51
53	The Large-Scale Structure of Local HI, Dust, and Galactic Radio Continuum. Symposium - International Astronomical Union, 1974, 60, 625-630.	0.1	2
54	A Modern Look at "Interstellar Clouds". Symposium - International Astronomical Union, 1974, 60, 13-44.	0.1	0

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55	The Surprising Constancy of Relative Chemical Abundances in Different Regions of Interstellar Space “ Particularly for Formaldehyde. Symposium - International Astronomical Union, 1973, 52, 375-379.	0.1	0
56	Temperatures and OH Optical Depths in Dust Clouds. Astrophysical Journal, 1969, 157, 123.	1.6	30