

# Felix J Lockman

## List of Publications by Year in descending order

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59  
papers

8,377  
citations

117619

34  
h-index

128286

60  
g-index

60  
all docs

60  
docs citations

60  
times ranked

6586  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diverse metallicities of Fermi bubble clouds indicate dual origins in the disk and halo. <i>Nature Astronomy</i> , 2022, 6, 968-975.	10.1	6
2	Molecular Gas within the Milky Way's Nuclear Wind. <i>Astrophysical Journal Letters</i> , 2021, 923, L11.	8.3	8
3	Cold gas in the Milky Way's nuclear wind. <i>Nature</i> , 2020, 584, 364-367.	27.8	33
4	Observation of Acceleration of H I Clouds within the Fermi Bubbles. <i>Astrophysical Journal</i> , 2020, 888, 51.	4.5	21
5	Comment on "Calorimetric Dark Matter Detection with Galactic Center Gas Clouds". <i>Physical Review Letters</i> , 2020, 124, 029001.	7.8	10
6	Mapping Outflowing Gas in the Fermi Bubbles: A UV Absorption Survey of the Galactic Nuclear Wind*. <i>Astrophysical Journal</i> , 2020, 898, 128.	4.5	23
7	Project AMIGA: The Circumgalactic Medium of Andromeda*. <i>Astrophysical Journal</i> , 2020, 900, 9.	4.5	48
8	Magnetic field morphology in interstellar clouds with the velocity gradient technique. <i>Nature Astronomy</i> , 2019, 3, 776-782.	10.1	56
9	Constraining the Magnetic Field of the Smith High-velocity Cloud Using Faraday Rotation. <i>Astrophysical Journal</i> , 2019, 871, 215.	4.5	20
10	Chemical Abundances in the Leading Arm of the Magellanic Stream. <i>Astrophysical Journal</i> , 2018, 854, 142.	4.5	22
11	Blowing in the Milky Way Wind: Neutral Hydrogen Clouds Tracing the Galactic Nuclear Outflow. <i>Astrophysical Journal</i> , 2018, 855, 33.	4.5	54
12	Probing the Southern Fermi Bubble in Ultraviolet Absorption Using Distant AGNs. <i>Astrophysical Journal</i> , 2018, 860, 98.	4.5	23
13	New Constraints on the Nature and Origin of the Leading Arm of the Magellanic Stream. <i>Astrophysical Journal</i> , 2018, 865, 145.	4.5	14
14	TRACING DENSE AND DIFFUSE NEUTRAL HYDROGEN IN THE HALO OF THE MILKY WAY. <i>Astrophysical Journal</i> , 2017, 834, 155.	4.5	5
15	MAPPING THE NUCLEAR OUTFLOW OF THE MILKY WAY: STUDYING THE KINEMATICS AND SPATIAL EXTENT OF THE NORTHERN FERMI BUBBLE. <i>Astrophysical Journal</i> , 2017, 834, 191.	4.5	77
16	Probing the Outflowing Multiphase Gas $\sim 1$ kpc below the Galactic Center. <i>Astrophysical Journal, Supplement Series</i> , 2017, 232, 25.	7.7	24
17	A radio counterpart to a neutron star merger. <i>Science</i> , 2017, 358, 1579-1583.	12.6	390
18	Structure formation in a colliding flow: The <i>Herschel</i> view of the Draco nebula. <i>Astronomy and Astrophysics</i> , 2017, 599, A109.	5.1	16

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19	DHIGLS: DRAO H I INTERMEDIATE GALACTIC LATITUDE SURVEY. <i>Astrophysical Journal</i> , 2017, 834, 126.	4.5	32
20	Project AMIGA: A Minimal Covering Factor for Optically Thick Circumgalactic Gas around the Andromeda Galaxy. <i>Astrophysical Journal</i> , 2017, 846, 141.	4.5	17
21	Neutral Gas Accretion onto Nearby Galaxies. <i>Astrophysics and Space Science Library</i> , 2017, , 49-65.	2.7	3
22	TRACING THE MILKY WAY NUCLEAR WIND WITH 21 cm ATOMIC HYDROGEN EMISSION. <i>Astrophysical Journal</i> , 2016, 826, 215.	4.5	27
23	HI4PI: a full-sky H&i survey based on EBHIS and GASS. <i>Astronomy and Astrophysics</i> , 2016, 594, A116.	5.1	813
24	SENSITIVE 21 cm OBSERVATIONS OF NEUTRAL HYDROGEN IN THE LOCAL GROUP NEAR M31. <i>Astrophysical Journal</i> , 2016, 816, 81.	4.5	24
25	ON THE METALLICITY AND ORIGIN OF THE SMITH HIGH-VELOCITY CLOUD*. <i>Astrophysical Journal Letters</i> , 2016, 816, L11.	8.3	46
26	GHIGLS: H I MAPPING AT INTERMEDIATE GALACTIC LATITUDE USING THE GREEN BANK TELESCOPE. <i>Astrophysical Journal</i> , 2015, 809, 153.	4.5	70
27	PROBING THE FERMI BUBBLES IN ULTRAVIOLET ABSORPTION: A SPECTROSCOPIC SIGNATURE OF THE MILKY WAY'S BICONICAL NUCLEAR OUTFLOW. <i>Astrophysical Journal Letters</i> , 2015, 799, L7.	8.3	100
28	HIGH-RESOLUTION IMAGES OF DIFFUSE NEUTRAL CLOUDS IN THE MILKY WAY. I. OBSERVATIONS, IMAGING, AND BASIC CLOUD PROPERTIES. <i>Astrophysical Journal, Supplement Series</i> , 2015, 219, 16.	7.7	10
29	WHAT IS THE SHELL AROUND R CORONAE BOREALIS?. <i>Astronomical Journal</i> , 2015, 150, 14.	4.7	11
30	MAGNETIZED GAS IN THE SMITH HIGH VELOCITY CLOUD. <i>Astrophysical Journal</i> , 2013, 777, 55.	4.5	32
31	Discrete clouds of neutral gas between the galaxies M31 and M33. <i>Nature</i> , 2013, 497, 224-226.	27.8	55
32	GASKAP&#x2014;The Galactic ASKAP Survey. <i>Publications of the Astronomical Society of Australia</i> , 2013, 30, .	3.4	63
33	ATOMIC HYDROGEN IN A GALACTIC CENTER OUTFLOW. <i>Astrophysical Journal Letters</i> , 2013, 770, L4.	8.3	51
34	THE NEUTRAL HYDROGEN BRIDGE BETWEEN M31 AND M33. <i>Astronomical Journal</i> , 2012, 144, 52.	4.7	36
35	An accurate measurement of the anisotropies and mean level of the cosmic infrared background at 100&#x2124; and 160&#x2124;. <i>Astronomy and Astrophysics</i> , 2012, 543, A123.	5.1	31
36	<i>Planck</i> early results. XVIII. The power spectrum of cosmic infrared background anisotropies. <i>Astronomy and Astrophysics</i> , 2011, 536, A18.	5.1	180

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37	Accurate galactic 21-cm H I measurements with the NRAO Green Bank Telescope. <i>Astronomy and Astrophysics</i> , 2011, 536, A81.	5.1	47
38	Planck early results. XXIV. Dust in the diffuse interstellar medium and the Galactic halo. <i>Astronomy and Astrophysics</i> , 2011, 536, A24.	5.1	179
39	MEASURING TURBULENCE IN THE INTERSTELLAR MEDIUM BY COMPARING $\langle N \rangle$ (H I; $L_{\text{HI}} \pm$ ) AND $\langle N \rangle$ (H I; 21) TITQq1 1.0.7841	4.5	47
40	MILKY WAY DISK-HALO TRANSITION IN H I: PROPERTIES OF THE CLOUD POPULATION. <i>Astrophysical Journal</i> , 2010, 722, 367-379.	4.5	36
41	GASS: the Parkes Galactic all-sky survey. <i>Astronomy and Astrophysics</i> , 2010, 521, A17.	5.1	150
42	GASS: THE PARKES GALACTIC ALL-SKY SURVEY. I. SURVEY DESCRIPTION, GOALS, AND INITIAL DATA RELEASE. <i>Astrophysical Journal, Supplement Series</i> , 2009, 181, 398-412.	7.7	254
43	H I Clouds in the Lower Halo. I. The Galactic All-Sky Survey Pilot Region. <i>Astrophysical Journal</i> , 2008, 688, 290-305.	4.5	31
44	The Smith Cloud: A High-Velocity Cloud Colliding with the Milky Way. <i>Astrophysical Journal</i> , 2008, 679, L21-L24.	4.5	86
45	An Interaction of a Magellanic Leading Arm High-Velocity Cloud with the Milky Way Disk. <i>Astrophysical Journal</i> , 2008, 673, L143-L146.	4.5	41
46	Radio Polarimetry of the ELAIS N1 Field: Polarized Compact Sources. <i>Astrophysical Journal</i> , 2007, 666, 201-211.	4.5	49
47	Tracking the Outer Spiral Arms of the Galaxy in H I Absorption. <i>Astronomical Journal</i> , 2007, 134, 2252-2271.	4.7	42
48	Compact H I Clouds at High Forbidden Velocities in the Inner Galaxy. <i>Astrophysical Journal</i> , 2006, 637, 366-379.	4.5	26
49	The VLA Galactic Plane Survey. <i>Astronomical Journal</i> , 2006, 132, 1158-1176.	4.7	315
50	The Spitzer Space Telescope First Look Survey: Neutral Hydrogen Emission. <i>Astronomical Journal</i> , 2005, 129, 1968-1977.	4.7	30
51	On the Continuing Formation of the Andromeda Galaxy: Detection of H I Clouds in the M31 Halo. <i>Astrophysical Journal</i> , 2004, 601, L39-L42.	4.5	167
52	Discovery of a Population of H I [CSC] Clouds in the Galactic Halo. <i>Astrophysical Journal</i> , 2002, 580, L47-L50.	4.5	89
53	A Very Sensitive 21 centimeter Survey for Galactic High-Velocity H I. <i>Astrophysical Journal, Supplement Series</i> , 2002, 140, 331-365.	7.7	67
54	A Sensitive Search for Galactic High-Velocity H I Clouds. <i>Astrophysical Journal</i> , 1995, 447, 642.	4.5	53

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55	Ultraviolet and radio observations of Milky Way halo gas. <i>Astrophysical Journal, Supplement Series</i> , 1992, 81, 125.	7.7	37
56	H I in the Galaxy. <i>Annual Review of Astronomy and Astrophysics</i> , 1990, 28, 215-259.	24.3	3,776
57	Galactic H I and the interstellar medium in Ursa Major. <i>Astrophysical Journal</i> , 1990, 354, 184.	4.5	58
58	The structure of galactic HI in directions of low total column density. <i>Astrophysical Journal</i> , 1986, 302, 432.	4.5	176
59	The H I halo in the inner galaxy. <i>Astrophysical Journal</i> , 1984, 283, 90.	4.5	169