

Loren Anderson

List of Publications by Year in descending order

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96
papers

4,357
citations

94433

37
h-index

110387

64
g-index

96
all docs

96
docs citations

96
times ranked

2811
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-absorption in $[\text{C}\text{II}]$, ^{12}CO , and HII in RCW120. <i>Astronomy and Astrophysics</i> , 2022, 659, A36.	5.1	18
2	Self-absorption in $[\text{C}\text{II}]$, ^{12}CO , and HII in RCW120. <i>Astronomy and Astrophysics</i> , 2022, 660, C2.	5.1	0
3	A VLA Census of the Galactic H II Region Population. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 23.	7.7	5
4	Assessing the Stellar Population and the Environment of an H II Region on the Far Side of the Galaxy*. <i>Astrophysical Journal</i> , 2021, 911, 91.	4.5	0
5	Stellar feedback and triggered star formation in the prototypical bubble RCW 120. <i>Science Advances</i> , 2021, 7, .	10.3	30
6	The Galactic H II Region Luminosity Function at Radio and Infrared Wavelengths. <i>Astrophysical Journal</i> , 2021, 910, 159.	4.5	9
7	The GBT Diffuse Ionized Gas Survey (GDIGS): Survey Overview and First Data Release. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 28.	7.7	9
8	The Southern H II Region Discovery Survey. II. The Full Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 36.	7.7	10
9	The dense warm ionized medium in the inner Galaxy. <i>Astronomy and Astrophysics</i> , 2021, 651, A59.	5.1	3
10	A global view on star formation: The GLOSTAR Galactic plane survey. <i>Astronomy and Astrophysics</i> , 2021, 651, A86.	5.1	20
11	Discovery of a New Population of Galactic H II Regions with Ionized Gas Velocity Gradients. <i>Astrophysical Journal</i> , 2021, 921, 176.	4.5	1
12	The PDR structure and kinematics around the compact H II regions S235AA and S235AC with $[\text{C}\text{II}]$, $^{13}\text{C}\text{II}$, $[\text{O}\text{I}]$, and HCO^+ line profiles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2651-2669.	4.4	14
13	SEDIGISM-ATLASGAL: dense gas fraction and star formation efficiency across the Galactic disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 3050-3063.	4.4	21
14	The GBT Diffuse Ionized Gas Survey: Tracing the Diffuse Ionized Gas around the Giant H II Region W43. <i>Astrophysical Journal</i> , 2020, 889, 96.	4.5	6
15	Cloud formation in the atomic and molecular phase: HII self absorption (HISA) towards a giant molecular filament. <i>Astronomy and Astrophysics</i> , 2020, 634, A139.	5.1	27
16	The HI/OH/Recombination line survey of the inner Milky Way (THOR): data release 2 and HII overview. <i>Astronomy and Astrophysics</i> , 2020, 634, A83.	5.1	52
17	Synthetic observations of spiral arm tracers of a simulated Milky Way analog. <i>Astronomy and Astrophysics</i> , 2020, 642, A201.	5.1	9
18	The history of dynamics and stellar feedback revealed by the HII filamentary structure in the disk of the Milky Way. <i>Astronomy and Astrophysics</i> , 2020, 642, A163.	5.1	29

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19	FEEDBACK: a SOFIA Legacy Program to Study Stellar Feedback in Regions of Massive Star Formation. Publications of the Astronomical Society of the Pacific, 2020, 132, 104301.	3.1	38
20	The MUSTANG Galactic Plane Survey (MGPS90) Pilot. Astrophysical Journal, Supplement Series, 2020, 248, 24.	7.7	10
21	Unusual Galactic H ii Regions at the Intersection of the Central Molecular Zone and the Far Dust Lane. Astrophysical Journal, 2020, 901, 51.	4.5	4
22	Molecular envelope around the HII region RCW 120. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5641-5650.	4.4	14
23	The Milky Way Project second data release: bubbles and bow shocks. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1141-1165.	4.4	20
24	The Origin of [C ii] 158 μ m Emission toward the H ii Region Complex S235. Astrophysical Journal, 2019, 882, 11.	4.5	12
25	Ionization Profiles of Galactic H ii Regions. Astrophysical Journal, Supplement Series, 2019, 241, 2.	7.7	13
26	A Galactic Plane Defined by the Milky Way H ii Region Distribution. Astrophysical Journal, 2019, 871, 145.	4.5	20
27	Survey of Ionized Gas of the Galaxy, Made with the Arecibo Telescope (SIGGMA): Inner Galaxy Data Release. Astrophysical Journal, Supplement Series, 2019, 240, 14.	7.7	20
28	The Southern H ii Region Discovery Survey. I. The Bright Catalog. Astrophysical Journal, Supplement Series, 2019, 240, 24.	7.7	14
29	Feedback in W49A diagnosed with radio recombination lines and models. Astronomy and Astrophysics, 2019, 622, A48.	5.1	20
30	Histogram of oriented gradients: a technique for the study of molecular cloud formation. Astronomy and Astrophysics, 2019, 622, A166.	5.1	30
31	Electron Densities and Nitrogen Abundances in Ionized Gas Derived Using [N ii] Fine-structure and Hydrogen Recombination Lines. Astrophysical Journal, 2019, 886, 1.	4.5	8
32	Strong Excess Faraday Rotation on the Inside of the Sagittarius Spiral Arm. Astrophysical Journal Letters, 2019, 887, L7.	8.3	24
33	Metallicity Structure in the Milky Way Disk Revealed by Galactic H ii Regions. Astrophysical Journal, 2019, 887, 114.	4.5	35
34	KFPA Examinations of Young STellar Object Natal Environments (KEYSTONE): Hierarchical Ammonia Structures in Galactic Giant Molecular Clouds. Astrophysical Journal, 2019, 884, 4.	4.5	17
35	OH maser emission in the THOR survey of the northern Milky Way. Astronomy and Astrophysics, 2019, 628, A90.	5.1	20
36	<i>Herschel</i>-HOBYS study of the earliest phases of high-mass star formation in NGC 6357. Astronomy and Astrophysics, 2019, 625, A134.	5.1	8

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37	Carbon Monoxide Observations toward Star-forming Regions in the Outer Scutum-Centaurus Spiral Arm. <i>Astrophysical Journal</i> , 2018, 852, 2.	4.5	6
38	A Green Bank Telescope Survey of Large Galactic H ii Regions. <i>Astrophysical Journal, Supplement Series</i> , 2018, 234, 33.	7.7	38
39	OH absorption in the first quadrant of the Milky Way as seen by THOR. <i>Astronomy and Astrophysics</i> , 2018, 618, A159.	5.1	20
40	Bipolar H α regions. <i>Astronomy and Astrophysics</i> , 2018, 617, A67.	5.1	20
41	Confirmation Of Two Galactic Supernova Remnant Candidates Discovered by THOR. <i>Astrophysical Journal</i> , 2018, 866, 61.	4.5	8
42	Hydrogen Radio Recombination Line Emission from M51 and NGC 628. <i>Publications of the Astronomical Society of the Pacific</i> , 2018, 130, 084101.	3.1	9
43	Kinematic Distances: A Monte Carlo Method. <i>Astrophysical Journal</i> , 2018, 856, 52.	4.5	60
44	Radio continuum emission in the northern Galactic plane: Sources and spectral indices from the THOR survey. <i>Astronomy and Astrophysics</i> , 2018, 619, A124.	5.1	32
45	Star formation towards the Galactic H α region RCW 120. <i>Astronomy and Astrophysics</i> , 2017, 600, A93.	5.1	29
46	Helium Ionization in the Diffuse Ionized Gas Surrounding UCH ii Regions. <i>Astrophysical Journal</i> , 2017, 838, 144.	4.5	6
47	SEDIGISM: Structure, excitation, and dynamics of the inner Galactic interstellar medium. <i>Astronomy and Astrophysics</i> , 2017, 601, A124.	5.1	79
48	High-mass Star Formation in the Outer Scutum-Centaurus Arm. <i>Astrophysical Journal</i> , 2017, 841, 121.	4.5	13
49	The Infrared and Radio Flux Densities of Galactic H ii regions. <i>Astrophysical Journal</i> , 2017, 846, 64.	4.5	13
50	Galactic supernova remnant candidates discovered by THOR. <i>Astronomy and Astrophysics</i> , 2017, 605, A58.	5.1	63
51	Large-scale Map of Millimeter-wavelength Hydrogen Radio Recombination Lines around a Young Massive Star Cluster. <i>Astrophysical Journal Letters</i> , 2017, 844, L25.	8.3	11
52	Diffuse Ionized Gas in the Milky Way Disk. <i>Astrophysical Journal</i> , 2017, 849, 117.	4.5	8
53	The earliest phases of high-mass star formation, as seen in NGC 6334 by <i>Herschel</i> -HOBYS. <i>Astronomy and Astrophysics</i> , 2017, 602, A77.	5.1	65
54	The Southern H ii Region Discovery Survey (SHRDS): Pilot Survey. <i>Astronomical Journal</i> , 2017, 154, 23.	4.7	13

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55	Metallicity Structure across the Galactic Disk: Radio Observations of H&II Regions. Proceedings of the International Astronomical Union, 2017, 13, 275-276.	0.0	0
56	Structure in the Milky Way. Proceedings of the International Astronomical Union, 2017, 13, 381-382.	0.0	0
57	Far-infrared observations of a massive cluster forming in the Monoceros R2 filament hub. Astronomy and Astrophysics, 2017, 607, A22.	5.1	26
58	Globules and pillars in Cygnus X. Astronomy and Astrophysics, 2016, 591, A40.	5.1	55
59	The HI/OH/Recombination line survey of the inner Milky Way (THOR). Astronomy and Astrophysics, 2016, 595, A32.	5.1	118
60	H II REGION IONIZATION OF THE INTERSTELLAR MEDIUM: A CASE STUDY OF NGC 7538. Astrophysical Journal, 2016, 824, 125.	4.5	21
61	NGC 6334 and NGC 6357: H&II kinematics and the nature of the H&II regions. Astronomy and Astrophysics, 2016, 587, A135.	5.1	16
62	On gigahertz spectral turnovers in pulsars. Monthly Notices of the Royal Astronomical Society, 2016, 455, 493-498.	4.4	27
63	Continuum sources from the THOR survey between 1 and 2µGHz. Astronomy and Astrophysics, 2016, 588, A97.	5.1	41
64	UNTANGLING THE RECOMBINATION LINE EMISSION FROM H II REGIONS WITH MULTIPLE VELOCITY COMPONENTS. Astrophysical Journal, 2015, 810, 42.	4.5	17
65	Bipolar H&II regions â€“ Morphology and star formation in their vicinity. Astronomy and Astrophysics, 2015, 582, A1.	5.1	54
66	THOR: The H&II, OH, Recombination line survey of the Milky Way. Astronomy and Astrophysics, 2015, 580, A112.	5.1	51
67	FINDING DISTANT GALACTIC H II REGIONS. Astrophysical Journal, Supplement Series, 2015, 221, 26.	7.7	75
68	MOPRA CO OBSERVATIONS OF THE BUBBLE H II REGION RCW 120. Astrophysical Journal, 2015, 800, 101.	4.5	40
69	AZIMUTHAL METALLICITY STRUCTURE IN THE MILKY WAY DISK. Astrophysical Journal, 2015, 806, 199.	4.5	41
70	From forced collapse to H&II region expansion in Mon R2: Envelope density structure and age determination with Herschel. Astronomy and Astrophysics, 2015, 584, A4.	5.1	23
71	Age, size, and position of H&II regions in the Galaxy. Astronomy and Astrophysics, 2014, 568, A4.	5.1	57
72	THE WISE CATALOG OF GALACTIC H II REGIONS. Astrophysical Journal, Supplement Series, 2014, 212, 1.	7.7	301

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73	Ionization compression impact on dense gas distribution and star formation. <i>Astronomy and Astrophysics</i> , 2014, 564, A106.	5.1	69
74	<i>HERSCHEL</i> REVEALS MASSIVE COLD CLUMPS IN NGC 7538. <i>Astrophysical Journal</i> , 2013, 773, 102.	4.5	23
75	Pillars and globules at the edges of H&II regions. <i>Astronomy and Astrophysics</i> , 2013, 560, A19.	5.1	33
76	THE GREEN BANK TELESCOPE H II REGION DISCOVERY SURVEY. IV. HELIUM AND CARBON RECOMBINATION LINES. <i>Astrophysical Journal</i> , 2013, 764, 34.	4.5	20
77	THE GREEN BANK TELESCOPE H II REGION DISCOVERY SURVEY. III. KINEMATIC DISTANCES. <i>Astrophysical Journal</i> , 2012, 754, 62.	4.5	66
78	The dust properties of bubble H&II regions as seen by <i>Herschel</i>. <i>Astronomy and Astrophysics</i> , 2012, 542, A10.	5.1	88
79	Distinguishing between HII regions and planetary nebulae with Hi-GAL, WISE, MIPSGAL, and GLIMPSE. <i>Astronomy and Astrophysics</i> , 2012, 537, A1.	5.1	46
80	THE ARECIBO H II REGION DISCOVERY SURVEY. <i>Astrophysical Journal</i> , 2012, 759, 96.	4.5	43
81	<i>SPITZER</i> AND <i>HERSCHEL</i> MULTI-WAVELENGTH CHARACTERIZATION OF THE DUST CONTENT OF EVOLVED H II REGIONS. <i>Astrophysical Journal</i> , 2012, 760, 149.	4.5	53
82	The M&16 molecular complex under the influence of NGC&6611. <i>Astronomy and Astrophysics</i> , 2012, 542, A114.	5.1	40
83	The spine of the swan: a <i>Herschel</i> study of the &DR21 ridge and filaments in Cygnus&X. <i>Astronomy and Astrophysics</i> , 2012, 543, L3.	5.1	157
84	H II REGION METALLICITY DISTRIBUTION IN THE MILKY WAY DISK. <i>Astrophysical Journal</i> , 2011, 738, 27.	4.5	150
85	Filaments and ridges in Vela&C revealed by <i>Herschel</i>: from low-mass to high-mass star-forming sites. <i>Astronomy and Astrophysics</i> , 2011, 533, A94.	5.1	188
86	THE GREEN BANK TELESCOPE H II REGION DISCOVERY SURVEY. II. THE SOURCE CATALOG. <i>Astrophysical Journal</i> , Supplement Series, 2011, 194, 32.	7.7	170
87	The <i>Herschel</i> view of massive star formation in G035.39&00.33: dense and cold filament of W48 undergoing a mini-starburst. <i>Astronomy and Astrophysics</i> , 2011, 535, A76.	5.1	79
88	<i>Herschel</i>-SPIRE observations of the Polaris flare: Structure of the diffuse interstellar medium at the sub-parsec scale. <i>Astronomy and Astrophysics</i> , 2010, 518, L104.	5.1	136
89	A gallery of bubbles. <i>Astronomy and Astrophysics</i> , 2010, 523, A6.	5.1	287
90	THE GREEN BANK TELESCOPE GALACTIC H II REGION DISCOVERY SURVEY. <i>Astrophysical Journal Letters</i> , 2010, 718, L106-L111.	8.3	76

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91	Star formation triggered by the Galactic H II region RCW 120. <i>Astronomy and Astrophysics</i> , 2010, 518, L81.	5.1	95
92	<i>Herschel</i> observations of the W43 α mini-starburst. <i>Astronomy and Astrophysics</i> , 2010, 518, L90.	5.1	57
93	The physical properties of the dust in the RCW 120 H II region as seen by <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2010, 518, L99.	5.1	51
94	Initial highlights of the HOBYS key program, the <i>Herschel</i> imaging survey of OB young stellar objects. <i>Astronomy and Astrophysics</i> , 2010, 518, L77.	5.1	174
95	THE MOLECULAR PROPERTIES OF GALACTIC H II REGIONS. <i>Astrophysical Journal, Supplement Series</i> , 2009, 181, 255-271.	7.7	62
96	RESOLUTION OF THE DISTANCE AMBIGUITY FOR GALACTIC H II REGIONS. <i>Astrophysical Journal</i> , 2009, 690, 706-719.	4.5	148