

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	THE <i>WISE</i> CATALOG OF GALACTIC H II REGIONS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 212, 1.	7.7	301
2	A gallery of bubbles. <i>Astronomy and Astrophysics</i> , 2010, 523, A6.	5.1	287
3	Filaments and ridges in Vela 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
4	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
5	THE GREEN BANK TELESCOPE H II REGION DISCOVERY SURVEY. II. THE SOURCE CATALOG. <i>Astrophysical Journal, Supplement Series</i> , 2011, 194, 32.	7.7	170
6	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
7	H II REGION METALLICITY DISTRIBUTION IN THE MILKY WAY DISK. <i>Astrophysical Journal</i> , 2011, 738, 27.	4.5	150
8	RESOLUTION OF THE DISTANCE AMBIGUITY FOR GALACTIC H II REGIONS. <i>Astrophysical Journal</i> , 2009, 690, 706-719.	4.5	148
9	<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
10	The HI/OH/Recombination line survey of the inner Milky Way (THOR). <i>Astronomy and Astrophysics</i> , 2016, 595, A32.	5.1	118
11	Star formation triggered by the Galactic H II region RCW 120. <i>Astronomy and Astrophysics</i> , 2010, 518, L81.	5.1	95
12	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
13	SEDIGISM: Structure, excitation, and dynamics of the inner Galactic interstellar medium. <i>Astronomy and Astrophysics</i> , 2017, 601, A124.	5.1	79
14	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
15	THE GREEN BANK TELESCOPE GALACTIC H II REGION DISCOVERY SURVEY. <i>Astrophysical Journal Letters</i> , 2010, 718, L106-L111.	8.3	76
16	FINDING DISTANT GALACTIC H II REGIONS. <i>Astrophysical Journal, Supplement Series</i> , 2015, 221, 26.	7.7	75
17	Ionization compression impact on dense gas distribution and star formation. <i>Astronomy and Astrophysics</i> , 2014, 564, A106.	5.1	69
18	THE GREEN BANK TELESCOPE H II REGION DISCOVERY SURVEY. III. KINEMATIC DISTANCES. <i>Astrophysical Journal</i> , 2012, 754, 62.	4.5	66

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19	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
20	Galactic supernova remnant candidates discovered by THOR. <i>Astronomy and Astrophysics</i> , 2017, 605, A58.	5.1	63
21	THE MOLECULAR PROPERTIES OF GALACTIC H II REGIONS. <i>Astrophysical Journal, Supplement Series</i> , 2009, 181, 255-271.	7.7	62
22	Kinematic Distances: A Monte Carlo Method. <i>Astrophysical Journal</i> , 2018, 856, 52.	4.5	60
23	<i>Herschel</i> observations of the W43 “mini-starburst”. <i>Astronomy and Astrophysics</i> , 2010, 518, L90.	5.1	57
24	Age, size, and position of H _{ii} regions in the Galaxy. <i>Astronomy and Astrophysics</i> , 2014, 568, A4.	5.1	57
25	Globules and pillars in Cygnus X. <i>Astronomy and Astrophysics</i> , 2016, 591, A40.	5.1	55
26	Bipolar H _{ii} regions – Morphology and star formation in their vicinity. <i>Astronomy and Astrophysics</i> , 2015, 582, A1.	5.1	54
27	<i>SPITZER</i> AND <i>HERSCHEL</i> MULTIWAVELENGTH CHARACTERIZATION OF THE DUST CONTENT OF EVOLVED H II REGIONS. <i>Astrophysical Journal</i> , 2012, 760, 149.	4.5	53
28	The HI/OH/Recombination line survey of the inner Milky Way (THOR): data release 2 and “I” overview. <i>Astronomy and Astrophysics</i> , 2020, 634, A83.	5.1	52
29	The physical properties of the dust in the RCW120 H _{ii} region as seen by <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2010, 518, L99.	5.1	51
30	THOR: The H _i , OH, Recombination line survey of the Milky Way. <i>Astronomy and Astrophysics</i> , 2015, 580, A112.	5.1	51
31	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
32	THE ARECIBO H II REGION DISCOVERY SURVEY. <i>Astrophysical Journal</i> , 2012, 759, 96.	4.5	43
33	AZIMUTHAL METALLICITY STRUCTURE IN THE MILKY WAY DISK. <i>Astrophysical Journal</i> , 2015, 806, 199.	4.5	41
34	Continuum sources from the THOR survey between 1 and 2 GHz. <i>Astronomy and Astrophysics</i> , 2016, 588, A97.	5.1	41
35	The M16 molecular complex under the influence of NGC6611. <i>Astronomy and Astrophysics</i> , 2012, 542, A114.	5.1	40
36	MOPRA CO OBSERVATIONS OF THE BUBBLE H II REGION RCW 120. <i>Astrophysical Journal</i> , 2015, 800, 101.	4.5	40

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37	A Green Bank Telescope Survey of Large Galactic H ii Regions. <i>Astrophysical Journal, Supplement Series</i> , 2018, 234, 33.	7.7	38
38	FEEDBACK: a SOFIA Legacy Program to Study Stellar Feedback in Regions of Massive Star Formation. <i>Publications of the Astronomical Society of the Pacific</i> , 2020, 132, 104301.	3.1	38
39	Metallicity Structure in the Milky Way Disk Revealed by Galactic H ii Regions. <i>Astrophysical Journal</i> , 2019, 887, 114.	4.5	35
40	Pillars and globules at the edges of H ii regions. <i>Astronomy and Astrophysics</i> , 2013, 560, A19.	5.1	33
41	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
42	Histogram of oriented gradients: a technique for the study of molecular cloud formation. <i>Astronomy and Astrophysics</i> , 2019, 622, A166.	5.1	30
43	Stellar feedback and triggered star formation in the prototypical bubble RCW 120. <i>Science Advances</i> , 2021, 7, .	10.3	30
44	Star formation towards the Galactic H ii region RCW 120. <i>Astronomy and Astrophysics</i> , 2017, 600, A93.	5.1	29
45	The history of dynamics and stellar feedback revealed by the H I filamentary structure in the disk of the Milky Way. <i>Astronomy and Astrophysics</i> , 2020, 642, A163.	5.1	29
46	On gigahertz spectral turnovers in pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 493-498.	4.4	27
47	Cloud formation in the atomic and molecular phase: H I self absorption (HISA) towards a giant molecular filament. <i>Astronomy and Astrophysics</i> , 2020, 634, A139.	5.1	27
48	Far-infrared observations of a massive cluster forming in the Monoceros R2 filament hub. <i>Astronomy and Astrophysics</i> , 2017, 607, A22.	5.1	26
49	Strong Excess Faraday Rotation on the Inside of the Sagittarius Spiral Arm. <i>Astrophysical Journal Letters</i> , 2019, 887, L7.	8.3	24
50	HERSCHEL REVEALS MASSIVE COLD CLUMPS IN NGC 7538. <i>Astrophysical Journal</i> , 2013, 773, 102.	4.5	23
51	From forced collapse to H ii region expansion in Mon R2: Envelope density structure and age determination with Herschel. <i>Astronomy and Astrophysics</i> , 2015, 584, A4.	5.1	23
52	H ii REGION IONIZATION OF THE INTERSTELLAR MEDIUM: A CASE STUDY OF NGC 7538. <i>Astrophysical Journal</i> , 2016, 824, 125.	4.5	21
53	SEDIGISM-ATLASCAL: 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
54	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

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55	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
56	Bipolar H α regions. <i>Astronomy and Astrophysics</i> , 2018, 617, A67.	5.1	20
57	The Milky Way Project second data release: bubbles and bow shocks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 1141-1165.	4.4	20
58	A Galactic Plane Defined by the Milky Way H ii Region Distribution. <i>Astrophysical Journal</i> , 2019, 871, 145.	4.5	20
59	Survey of Ionized Gas of the Galaxy, Made with the Arecibo Telescope (SIGGMA): Inner Galaxy Data Release. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 14.	7.7	20
60	Feedback in W49A diagnosed with radio recombination lines and models. <i>Astronomy and Astrophysics</i> , 2019, 622, A48.	5.1	20
61	OH maser emission in the THOR survey of the northern Milky Way. <i>Astronomy and Astrophysics</i> , 2019, 628, A90.	5.1	20
62	A global view on star formation: The GLOSTAR Galactic plane survey. <i>Astronomy and Astrophysics</i> , 2021, 651, A86.	5.1	20
63	Self-absorption in [C α], ν CO, and H α in RCW120. <i>Astronomy and Astrophysics</i> , 2022, 659, A36.	5.1	18
64	UNTANGLING THE RECOMBINATION LINE EMISSION FROM H ii REGIONS WITH MULTIPLE VELOCITY COMPONENTS. <i>Astrophysical Journal</i> , 2015, 810, 42.	4.5	17
65	KFPA Examinations of Young STellar Object Natal Environments (KEYSTONE): Hierarchical Ammonia Structures in Galactic Giant Molecular Clouds. <i>Astrophysical Journal</i> , 2019, 884, 4.	4.5	17
66	NGC 6334 and NGC 6357: H α kinematics and the nature of the H α regions. <i>Astronomy and Astrophysics</i> , 2016, 587, A135.	5.1	16
67	Molecular envelope around the HII region RCW120. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 5641-5650.	4.4	14
68	The Southern H ii Region Discovery Survey. I. The Bright Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 24.	7.7	14
69	The PDR structure and kinematics around the compact H ii regions S235AA and S235AC with [C α], [13C α], [O α], and HCO+ line profiles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2651-2669.	4.4	14
70	High-mass Star Formation in the Outer Scutum-Centaurus Arm. <i>Astrophysical Journal</i> , 2017, 841, 121.	4.5	13
71	The Infrared and Radio Flux Densities of Galactic H ii regions. <i>Astrophysical Journal</i> , 2017, 846, 64.	4.5	13
72	The Southern H ii Region Discovery Survey (SHRDS): Pilot Survey. <i>Astronomical Journal</i> , 2017, 154, 23.	4.7	13

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73	Ionization Profiles of Galactic H II Regions. <i>Astrophysical Journal, Supplement Series</i> , 2019, 241, 2.	7.7	13
74	The Origin of [C II] λ 158 μ m Emission toward the H II Region Complex S235. <i>Astrophysical Journal</i> , 2019, 882, 11.	4.5	12
75	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
76	The Southern H II Region Discovery Survey. II. The Full Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 36.	7.7	10
77	The MUSTANG Galactic Plane Survey (MGPS90) Pilot. <i>Astrophysical Journal, Supplement Series</i> , 2020, 248, 24.	7.7	10
78	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
79	The Galactic H II Region Luminosity Function at Radio and Infrared Wavelengths. <i>Astrophysical Journal</i> , 2021, 910, 159.	4.5	9
80	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
81	Synthetic observations of spiral arm tracers of a simulated Milky Way analog. <i>Astronomy and Astrophysics</i> , 2020, 642, A201.	5.1	9
82	Diffuse Ionized Gas in the Milky Way Disk. <i>Astrophysical Journal</i> , 2017, 849, 117.	4.5	8
83	Confirmation Of Two Galactic Supernova Remnant Candidates Discovered by THOR. <i>Astrophysical Journal</i> , 2018, 866, 61.	4.5	8
84	Electron Densities and Nitrogen Abundances in Ionized Gas Derived Using [N II] Fine-structure and Hydrogen Recombination Lines. <i>Astrophysical Journal</i> , 2019, 886, 1.	4.5	8
85	<i>Herschel</i> -HOBYS study of the earliest phases of high-mass star formation in NGC 6357. <i>Astronomy and Astrophysics</i> , 2019, 625, A134.	5.1	8
86	Helium Ionization in the Diffuse Ionized Gas Surrounding UCH II Regions. <i>Astrophysical Journal</i> , 2017, 838, 144.	4.5	6
87	Carbon Monoxide Observations toward Star-forming Regions in the Outer Scutum-Centaurus Spiral Arm. <i>Astrophysical Journal</i> , 2018, 852, 2.	4.5	6
88	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
89	A VLA Census of the Galactic H II Region Population. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 23.	7.7	5
90	Unusual Galactic H II Regions at the Intersection of the Central Molecular Zone and the Far Dust Lane. <i>Astrophysical Journal</i> , 2020, 901, 51.	4.5	4

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91	The dense warm ionized medium in the inner Galaxy. <i>Astronomy and Astrophysics</i> , 2021, 651, A59.	5.1	3
92	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
93	Metallicity Structure across the Galactic Disk: Radio Observations of H&II Regions. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 275-276.	0.0	0
94	Structure in the Milky Way. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 381-382.	0.0	0
95	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
96	Self-absorption in [C&II], ¹² CO, and H&II in RCW120. <i>Astronomy and Astrophysics</i> , 2022, 660, C2.	5.1	0