

Claus Leitherer

List of Publications by Year in descending order

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60
papers

9,234
citations

101543

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138484

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all docs

60
docs citations

60
times ranked

4377
citing authors

#	ARTICLE	IF	CITATIONS
1	SDSS-IV MaNGA: Observational Evidence of a Density-bounded Region in a Ly α Emitter. <i>Astrophysical Journal</i> , 2022, 924, 47.	4.5	2
2	Unveiling an Old Disk around a Massive Young Leaking Blueberry in SDSS-IV MaNGA. <i>Astrophysical Journal</i> , 2022, 929, 50.	4.5	1
3	Tracing the Ionization Structure of the Shocked Filaments of NGC 6240. <i>Astrophysical Journal</i> , 2021, 923, 160.	4.5	2
4	Massive Star Formation in the Ultraviolet Observed with the Hubble Space Telescope. <i>Galaxies</i> , 2020, 8, 13.	3.0	9
5	A New Technique for Finding Galaxies Leaking Lyman-continuum Radiation: [S ii]-deficiency. <i>Astrophysical Journal</i> , 2019, 885, 57.	4.5	38
6	Comparison of Theoretical Starburst Photoionization Models for Optical Diagnostics. <i>Astrophysical Journal</i> , 2019, 878, 2.	4.5	18
7	He ii Emission from Wolf-Rayet Stars as a Tool for Measuring Dust Reddening. <i>Astronomical Journal</i> , 2019, 158, 192.	4.7	5
8	Investigating the Lyman photon escape in local starburst galaxies with the Cosmic Origins Spectrograph.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 1292-1304.	4.4	6
9	Physical Properties of II Zw 40's Super Star Cluster and Nebula: New Insights and Puzzles from UV Spectroscopy. <i>Astrophysical Journal</i> , 2018, 865, 55.	4.5	19
10	Ly α and UV Sizes of Green Pea Galaxies. <i>Astrophysical Journal</i> , 2017, 838, 4.	4.5	27
11	Ly α Profile, Dust, and Prediction of Ly α Escape Fraction in Green Pea Galaxies. <i>Astrophysical Journal</i> , 2017, 844, 171.	4.5	127
12	The mass and momentum outflow rates of photoionized galactic outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 4831-4849.	4.4	114
13	Carbon Abundances in Starburst Galaxies of the Local Universe. <i>Astrophysical Journal</i> , 2017, 847, 107.	4.5	9
14	A robust measurement of the mass outflow rate of the galactic outflow from NGC 6090. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 541-556.	4.4	45
15	II Zw 40 "30 Doradus on Steroids. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 322-326.	0.0	0
16	Shining a light on galactic outflows: photoionized outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 3133-3161.	4.4	58
17	DIRECT DETECTION OF LYMAN CONTINUUM ESCAPE FROM LOCAL STARBURST GALAXIES WITH THE COSMIC ORIGINS SPECTROGRAPH. <i>Astrophysical Journal</i> , 2016, 823, 64.	4.5	110
18	<i>HST</i>/WFC3 OBSERVATIONS OF AN OFF-NUCLEAR SUPERBUBBLE IN ARP 220. <i>Astrophysical Journal</i> , 2015, 810, 149.	4.5	7

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19	INDIRECT EVIDENCE FOR ESCAPING IONIZING PHOTONS IN LOCAL LYMAN BREAK GALAXY ANALOGS. <i>Astrophysical Journal</i> , 2015, 810, 104.	4.5	77
20	SCALING RELATIONS BETWEEN WARM GALACTIC OUTFLOWS AND THEIR HOST GALAXIES. <i>Astrophysical Journal</i> , 2015, 811, 149.	4.5	118
21	THE SYSTEMATIC PROPERTIES OF THE WARM PHASE OF STARBURST-DRIVEN GALACTIC WINDS. <i>Astrophysical Journal</i> , 2015, 809, 147.	4.5	246
22	Supernova-driven outflows in NGC 7552: a comparison of H α and UV tracers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 2712-2730.	4.4	27
23	Modeling Small Stellar Populations Using Starburst99. <i>Proceedings of the International Astronomical Union</i> , 2015, 12, 359-360.	0.0	0
24	ULTRAVIOLET ISM DIAGNOSTICS FOR STAR-FORMING GALAXIES. I. TRACERS OF METALLICITY AND EXTINCTION. <i>Astrophysical Journal</i> , 2015, 805, 151.	4.5	6
25	ORIGIN OF THE DIFFUSE, FAR ULTRAVIOLET EMISSION IN THE INTERARM REGIONS OF M101. <i>Astrophysical Journal</i> , 2015, 808, 76.	4.5	6
26	A RARE ENCOUNTER WITH VERY MASSIVE STARS IN NGC 3125-A1. <i>Astrophysical Journal</i> , 2014, 781, 122.	4.5	26
27	THE EFFECTS OF STELLAR ROTATION. II. A COMPREHENSIVE SET OF STARBURST99 MODELS. <i>Astrophysical Journal</i> , Supplement Series, 2014, 212, 14.	7.7	328
28	A local clue to the reionization of the universe. <i>Science</i> , 2014, 346, 216-219.	12.6	153
29	MODELING TRACERS OF YOUNG STELLAR POPULATION AGE IN STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2013, 779, 170.	4.5	27
30	FAR-ULTRAVIOLET OBSERVATIONS OF OUTFLOWS FROM INFRARED-LUMINOUS GALAXIES. <i>Astrophysical Journal</i> , 2013, 772, 120.	4.5	30
31	H I LYMAN-ALPHA EQUIVALENT WIDTHS OF STELLAR POPULATIONS. <i>Astronomical Journal</i> , 2013, 146, 158.	4.7	13
32	Ly α ESCAPE FROM $z \sim 0.03$ STAR-FORMING GALAXIES: THE DOMINANT ROLE OF OUTFLOWS. <i>Astrophysical Journal</i> , 2013, 765, 118.	4.5	71
33	THEORETICAL EVOLUTION OF OPTICAL STRONG LINES ACROSS COSMIC TIME. <i>Astrophysical Journal</i> , 2013, 774, 100.	4.5	340
34	THE COSMIC ORIGINS SPECTROGRAPH. <i>Astrophysical Journal</i> , 2012, 744, 60.	4.5	381
35	THE EFFECTS OF STELLAR ROTATION. I. IMPACT ON THE IONIZING SPECTRA AND INTEGRATED PROPERTIES OF STELLAR POPULATIONS. <i>Astrophysical Journal</i> , 2012, 751, 67.	4.5	96
36	EXTREME FEEDBACK AND THE EPOCH OF REIONIZATION: CLUES IN THE LOCAL UNIVERSE. <i>Astrophysical Journal</i> , 2011, 730, 5.	4.5	232

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37	AN ULTRAVIOLET SPECTROSCOPIC ATLAS OF LOCAL STARBURSTS AND STAR-FORMING GALAXIES: THE LEGACY OF FOS AND GHRS. <i>Astronomical Journal</i> , 2011, 141, 37.	4.7	96
38	DIFFUSE FAR-UV LINE EMISSION FROM THE LOW-REDSHIFT LYMAN BREAK GALAXY ANALOG KISSR242. <i>Astrophysical Journal Letters</i> , 2010, 722, L80-L84.	8.3	17
39	A LIBRARY OF THEORETICAL ULTRAVIOLET SPECTRA OF MASSIVE, HOT STARS FOR EVOLUTIONARY SYNTHESIS. <i>Astrophysical Journal, Supplement Series</i> , 2010, 189, 309-335.	7.7	247
40	THE ANTENNAE GALAXIES (NGC 4038/4039) REVISITED: ADVANCED CAMERA FOR SURVEYS AND NICMOS OBSERVATIONS OF A PROTOTYPICAL MERGER. <i>Astronomical Journal</i> , 2010, 140, 75-109.	4.7	171
41	THE LYMAN ALPHA MORPHOLOGY OF LOCAL STARBURST GALAXIES: RELEASE OF CALIBRATED IMAGES. <i>Astronomical Journal</i> , 2009, 138, 923-940.	4.7	113
42	Starburst99 for Windows. <i>New Astronomy</i> , 2009, 14, 356-362.	1.8	18
43	Models for Massive Stellar Populations with Rotation. <i>Astrophysical Journal</i> , 2007, 663, 995-1020.	4.5	57
44	Modeling the Pa α Spectral Energy Distribution of Starburst Galaxies. III. Emission Line Diagnostics of Ensembles of Evolving H II Regions. <i>Astrophysical Journal, Supplement Series</i> , 2006, 167, 177-200.	7.7	158
45	Optimization of Starburst99 for Intermediate- and Old Stellar Populations. <i>Astrophysical Journal</i> , 2005, 621, 695-717.	4.5	415
46	NGC 3125a-1: The Most Extreme Wolf-Rayet Star Cluster Known in the Local Universe. <i>Astrophysical Journal</i> , 2004, 604, 153-166.	4.5	47
47	Spectral Modeling of Star-forming Regions in the Ultraviolet: Stellar Metallicity Diagnostics for High-Redshift Galaxies. <i>Astrophysical Journal</i> , 2004, 615, 98-117.	4.5	110
48	The First Deep Advanced Camera for Surveys Ly α Images of Local Starburst Galaxies. <i>Astrophysical Journal</i> , 2003, 597, 263-268.	4.5	83
49	The Stellar Content of Henize 2-10 from Space Telescope Imaging Spectrograph Ultraviolet Spectroscopy. <i>Astrophysical Journal</i> , 2003, 586, 939-958.	4.5	36
50	The Massive Stellar Content in the Starburst NGC 3049: A Test for Hot Star Models. <i>Astrophysical Journal</i> , 2002, 580, 824-843.	4.5	19
51	Global Far-Ultraviolet (912-1800 Å) Properties of Star-forming Galaxies. <i>Astrophysical Journal, Supplement Series</i> , 2002, 140, 303-329.	7.7	122
52	Ultraviolet Line Spectra of Metal-poor Star-forming Galaxies. <i>Astrophysical Journal</i> , 2001, 550, 724-736.	4.5	92
53	Star Formation in the Field and Clusters of NGC 5253. <i>Astrophysical Journal</i> , 2001, 555, 322-337.	4.5	102
54	B Stars as a Diagnostic of Star Formation at Low and High Redshift. <i>Astrophysical Journal</i> , 2000, 530, 251-276.	4.5	69

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55	Starburst99: Synthesis Models for Galaxies with Active Star Formation. <i>Astrophysical Journal, Supplement Series</i> , 1999, 123, 3-40.	7.7	3,279
56	Synthetic Spectra of H Balmer and He I Absorption Lines. II. Evolutionary Synthesis Models for Starburst and Poststarburst Galaxies. <i>Astrophysical Journal, Supplement Series</i> , 1999, 125, 489-509.	7.7	151
57	Far-Ultraviolet Spectra of Starburst Galaxies: Stellar Population and the Kinematics of the Interstellar Medium. <i>Astrophysical Journal</i> , 1998, 495, 698-717.	4.5	75
58	The Ultraviolet Spectroscopic Properties of Local Starbursts: Implications at High Redshift. <i>Astrophysical Journal</i> , 1998, 503, 646-661.	4.5	234
59	Synthetic properties of starburst galaxies. <i>Astrophysical Journal, Supplement Series</i> , 1995, 96, 9.	7.7	539
60	The Lyman Continuum in Starburst Galaxies Observed with the Hopkins Ultraviolet Telescope. <i>Astrophysical Journal</i> , 1995, 454, .	4.5	210