

Kathryn Kreckel

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

3,928
citations

126907

33
h-index

118850

62
g-index

65
all docs

65
docs citations

65
times ranked

3238
citing authors

#	ARTICLE	IF	CITATIONS
1	PHANGS-MUSE: The H II region luminosity function of local star-forming galaxies. <i>Astronomy and Astrophysics</i> , 2022, 658, A188.	5.1	34
2	Planetary nebula luminosity function distances for 19 galaxies observed by PHANGS-MUSE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 6087-6109.	4.4	15
3	The PHANGS-MUSE survey. <i>Astronomy and Astrophysics</i> , 2022, 659, A191.	5.1	96
4	The PHANGS-HST Survey: Physics at High Angular Resolution in Nearby Galaxies with the Hubble Space Telescope. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 10.	7.7	58
5	A tale of two DIGs: The relative role of H II regions and low-mass hot evolved stars in powering the diffuse ionised gas (DIG) in PHANGS-MUSE galaxies. <i>Astronomy and Astrophysics</i> , 2022, 659, A26.	5.1	51
6	Direct Far-infrared Metal Abundances (FIRA). I. M101. <i>Astrophysical Journal</i> , 2022, 925, 194.	4.5	4
7	H II morphologies of star clusters in 16 LEGUS galaxies: Constraints on region evolution time-scales. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1294-1316.	4.4	17
8	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 35.	7.7	405
9	Linking stellar populations to H II regions across nearby galaxies. <i>Astronomy and Astrophysics</i> , 2022, 662, L6.	5.1	11
10	Molecular Cloud Populations in the Context of Their Host Galaxy Environments: A Multiwavelength Perspective. <i>Astronomical Journal</i> , 2022, 164, 43.	4.7	31
11	Distances to PHANGS galaxies: New tip of the red giant branch measurements and adopted distances. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 3621-3639.	4.4	106
12	On the duration of the embedded phase of star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 487-509.	4.4	61
13	Star formation scaling relations at ~ 100 pc from PHANGS: Impact of completeness and spatial scale. <i>Astronomy and Astrophysics</i> , 2021, 650, A134.	5.1	50
14	The Organization of Cloud-scale Gas Density Structure: High-resolution CO versus $3.6 \mu\text{m}$ Brightness Contrasts in Nearby Galaxies. <i>Astrophysical Journal</i> , 2021, 913, 113.	4.5	10
15	Dense molecular gas properties on 100 pc scales across the disc of NGC 3627. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 963-988.	4.4	24
16	PHANGS-MUSE ALMA Data Processing and Pipeline. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 19.	7.7	79
17	The Blue Supergiant Progenitor of the Supernova Imposter AT 2019krl. <i>Astrophysical Journal</i> , 2021, 917, 63.	4.5	7
18	Star formation in the nearby dwarf galaxy DDO 53: interplay between gas accretion and stellar feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2650-2667.	4.4	10

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19	Stellar structures, molecular gas, and star formation across the PHANGS sample of nearby galaxies. <i>Astronomy and Astrophysics</i> , 2021, 656, A133.	5.1	53
20	Resolving the Dust-to-Metals Ratio and CO-to-H ₂ Conversion Factor in the Nearby Universe. <i>Astrophysical Journal</i> , 2021, 907, 29.	4.5	19
21	PHANGS HST: star cluster spectral energy distribution fitting with <i>scigale</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 1366-1385.	4.4	33
22	The 2D metallicity distribution and mixing scales of nearby galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 1303-1322.	4.4	22
23	Comparing the pre-SNe feedback and environmental pressures for 6000 H ₂ regions across 19 nearby spiral galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 5362-5389.	4.4	27
24	Pre-supernova feedback mechanisms drive the destruction of molecular clouds in nearby star-forming disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 272-288.	4.4	65
25	PHANGS ALMA: Arcsecond CO(2 ^{â€‘} 1) Imaging of Nearby Star-forming Galaxies. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 43.	7.7	161
26	The lifecycle of molecular clouds in nearby star-forming disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 2872-2909.	4.4	178
27	Measuring the mixing scale of the ISM within nearby spiral galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 193-209.	4.4	44
28	The headlight cloud in NGC 628: An extreme giant molecular cloud in a typical galaxy disk. <i>Astronomy and Astrophysics</i> , 2020, 634, A121.	5.1	32
29	CHILES VI: H ₂ and H ₂ observations for $z < 0.1$ galaxies; probing H ₂ spin alignment with filaments in the cosmic web. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 153-176.	4.4	29
30	Molecular Gas Properties on Cloud Scales across the Local Star-forming Galaxy Population. <i>Astrophysical Journal Letters</i> , 2020, 901, L8.	8.3	85
31	Calibrating Star Formation Rate Prescriptions at Different Scales (10 pc ^{â€‘} 1 kpc) in M31. <i>Astrophysical Journal</i> , 2019, 873, 3.	4.5	12
32	CHILES: H ₂ morphology and galaxy environment at $z = 0.12$ and $z = 0.17$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 2234-2256.	4.4	23
33	The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 23.	7.7	299
34	Mapping Metallicity Variations across Nearby Galaxy Disks. <i>Astrophysical Journal</i> , 2019, 887, 80.	4.5	103
35	The Gas Star Formation Cycle in Nearby Star-forming Galaxies. I. Assessment of Multi-scale Variations. <i>Astrophysical Journal</i> , 2019, 887, 49.	4.5	57
36	Mapping Electron Temperature Variations across a Spiral Arm in NGC 1672. <i>Astrophysical Journal Letters</i> , 2019, 885, L31.	8.3	17

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37	Two Orders of Magnitude Variation in the Star Formation Efficiency across the Premerger Galaxy NGC 2276. <i>Astrophysical Journal Letters</i> , 2018, 869, L38.	8.3	16
38	Star Formation Efficiency per Free-fall Time in nearby Galaxies. <i>Astrophysical Journal Letters</i> , 2018, 861, L18.	8.3	97
39	A 50 pc Scale View of Star Formation Efficiency across NGC 628. <i>Astrophysical Journal Letters</i> , 2018, 863, L21.	8.3	78
40	A REVISED PLANETARY NEBULA LUMINOSITY FUNCTION DISTANCE TO NGC 628 USING MUSE. <i>Astrophysical Journal</i> , 2017, 834, 174.	4.5	42
41	The Origins of [C ii] Emission in Local Star-forming Galaxies. <i>Astrophysical Journal</i> , 2017, 845, 96.	4.5	73
42	Attenuation Modified by DIG and Dust as Seen in M31. <i>Astrophysical Journal</i> , 2017, 844, 155.	4.5	12
43	The void galaxy survey: photometry, structure and identity of void galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 666-679.	4.4	29
44	HIGHEST REDSHIFT IMAGE OF NEUTRAL HYDROGEN IN EMISSION: A CHILES DETECTION OF A STARBURSTING GALAXY AT $z = 0.376$. <i>Astrophysical Journal Letters</i> , 2016, 824, L1.	8.3	89
45	COMPARING [C ii], H i, AND CO DYNAMICS OF NEARBY GALAXIES. <i>Astronomical Journal</i> , 2016, 152, 51.	4.7	24
46	CHARACTERIZING SPIRAL ARM AND INTERARM STAR FORMATION. <i>Astrophysical Journal</i> , 2016, 827, 103.	4.5	58
47	The void galaxy survey: Star formation properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 394-409.	4.4	36
48	THE METALLICITY OF VOID DWARF GALAXIES. <i>Astrophysical Journal Letters</i> , 2015, 798, L15.	8.3	22
49	THE SURVEY OF LINES IN M31 (SLIM): INVESTIGATING THE ORIGINS OF [C II] EMISSION. <i>Astrophysical Journal</i> , 2015, 798, 24.	4.5	30
50	NEARBY CLUMPY, GAS RICH, STAR-FORMING GALAXIES: LOCAL ANALOGS OF HIGH-REDSHIFT CLUMPY GALAXIES. <i>Astrophysical Journal</i> , 2015, 807, 134.	4.5	24
51	The Void Galaxy Survey: Galaxy Evolution and Gas Accretion in Voids. <i>Proceedings of the International Astronomical Union</i> , 2014, 11, 591-599.	0.0	3
52	A FAR-IR VIEW OF THE STARBURST-DRIVEN SUPERWIND IN NGC 2146. <i>Astrophysical Journal</i> , 2014, 790, 26.	4.5	18
53	The Void Galaxy Survey: Morphology and Star Formation Properties of Void Galaxies. <i>Proceedings of the International Astronomical Union</i> , 2014, 11, 600-605.	0.0	0
54	A far-IR and optical 3D view of the starburst driven superwind in NGC 2146. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 322-323.	0.0	0

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55	A PILOT FOR A VERY LARGE ARRAY H I DEEP FIELD. <i>Astrophysical Journal Letters</i> , 2013, 770, L29.	8.3	53
56	MAPPING DUST THROUGH EMISSION AND ABSORPTION IN NEARBY GALAXIES. <i>Astrophysical Journal</i> , 2013, 771, 62.	4.5	86
57	AN INTERACTING GALAXY SYSTEM ALONG A FILAMENT IN A VOID. <i>Astronomical Journal</i> , 2013, 145, 120.	4.7	54
58	THE CO-TO-H ₂ CONVERSION FACTOR AND DUST-TO-GAS RATIO ON KILOPARSEC SCALES IN NEARBY GALAXIES. <i>Astrophysical Journal</i> , 2013, 777, 5.	4.5	418
59	SHOCK EXCITED MOLECULES IN NGC 1266: ULIRG CONDITIONS AT THE CENTER OF A BULGE-DOMINATED GALAXY. <i>Astrophysical Journal Letters</i> , 2013, 779, L19.	8.3	41
60	TOWARD A REMOVAL OF TEMPERATURE DEPENDENCIES FROM ABUNDANCE DETERMINATIONS: NGC 628. <i>Astrophysical Journal</i> , 2013, 777, 96.	4.5	30
61	THE VOID GALAXY SURVEY: OPTICAL PROPERTIES AND H I MORPHOLOGY AND KINEMATICS. <i>Astronomical Journal</i> , 2012, 144, 16.	4.7	116
62	SIMULATED VOID GALAXIES IN THE STANDARD COLD DARK MATTER MODEL. <i>Astrophysical Journal</i> , 2011, 735, 132.	4.5	36
63	KK 246: A DWARF GALAXY WITH AN EXTENDED H I DISK IN THE LOCAL VOID. <i>Astronomical Journal</i> , 2011, 141, 204.	4.7	48
64	ONLY THE LONELY: H I IMAGING OF VOID GALAXIES. <i>Astronomical Journal</i> , 2011, 141, 4.	4.7	66