

Karin M Sandstrom

List of Publications by Year in descending order

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100
papers

6,988
citations

57758

44
h-index

58581

82
g-index

102
all docs

102
docs citations

102
times ranked

4357
citing authors

#	ARTICLE	IF	CITATIONS
1	The PHANGS-MUSE survey. <i>Astronomy and Astrophysics</i> , 2022, 659, A191.	5.1	96
2	Molecular Gas Properties and CO-to-H ₂ Conversion Factors in the Central Kiloparsec of NGC 3351. <i>Astrophysical Journal</i> , 2022, 925, 72.	4.5	20
3	The DUVET Survey: Resolved maps of star formation-driven outflows in a compact, starbursting disc galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 5782-5796.	4.4	8
4	METAL: The Metal Evolution, Transport, and Abundance in the Large Magellanic Cloud Hubble Program. III. Interstellar Depletions, Dust-to-Metal, and Dust-to-Gas Ratios versus Metallicity. <i>Astrophysical Journal</i> , 2022, 928, 90.	4.5	9
5	Low-J CO Line Ratios from Single-dish CO Mapping Surveys and PHANGS-ALMA. <i>Astrophysical Journal</i> , 2022, 927, 149.	4.5	46
6	Kinematics and Feedback in H II Regions in the Dwarf Starburst Galaxy IC 10. <i>Astrophysical Journal</i> , 2022, 929, 74.	4.5	1
7	PDRs4All: A JWST Early Release Science Program on Radiative Feedback from Massive Stars. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 054301.	3.1	26
8	A Resolved Search for AGN in the Centers of Nearby Galaxies with WISE. <i>Research Notes of the AAS</i> , 2022, 6, 117.	0.7	0
9	Molecular Cloud Populations in the Context of Their Host Galaxy Environments: A Multiwavelength Perspective. <i>Astronomical Journal</i> , 2022, 164, 43.	4.7	31
10	The case for thermalization as a contributor to the [C II] deficit. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 911-919.	4.4	5
11	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
12	METAL: The Metal Evolution, Transport, and Abundance in the Large Magellanic Cloud Hubble Program. II. Variations of Interstellar Depletions and Dust-to-gas Ratio within the LMC. <i>Astrophysical Journal</i> , 2021, 910, 95.	4.5	21
13	A lack of constraints on the cold opaque H ₂ mass: H ₂ spectra in M31 and M33 prefer multicomponent models over a single cold opaque component. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 1801-1824.	4.4	11
14	Keck Cosmic Web Imager Observations of He II Emission in I Zw 18. <i>Astrophysical Journal Letters</i> , 2021, 911, L17.	8.3	7
15	Benchmarking Dust Emission Models in M101. <i>Astrophysical Journal</i> , 2021, 912, 103.	4.5	14
16	PHANGS-ALMA Data Processing and Pipeline. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 19.	7.7	79
17	The DUVET Survey: Direct T _e -based Metallicity Mapping of Metal-enriched Outflows and Metal-poor Inflows in Markarian 1486. <i>Astrophysical Journal Letters</i> , 2021, 918, L16.	8.3	19
18	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

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19	Three-dimensional Structure and Dust Extinction in the Small Magellanic Cloud. <i>Astrophysical Journal</i> , 2021, 907, 50.	4.5	7
20	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
21	PHANGSâ€“ALMA: Arcsecond CO(2â€“1) Imaging of Nearby Star-forming Galaxies. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 43.	7.7	161
22	Local Environments of Low-redshift Supernovae. <i>Astrophysical Journal</i> , 2021, 923, 86.	4.5	5
23	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
24	Spatial power spectra of dust across the Local Group: No constraint on disc scale height. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2663-2682.	4.4	13
25	Modeling Dust and Starlight in Galaxies Observed by Spitzer and Herschel: The KINGFISH Sample. <i>Astrophysical Journal</i> , 2020, 889, 150.	4.5	54
26	Pa β , H β , and Attenuation in NGC 5194 and NGC 6946. <i>Astrophysical Journal</i> , 2020, 892, 23.	4.5	8
27	Dynamical Equilibrium in the Molecular ISM in 28 Nearby Star-forming Galaxies. <i>Astrophysical Journal</i> , 2020, 892, 148.	4.5	88
28	Mapping the Escape Fraction of Ionizing Photons Using Resolved Stars: A Much Higher Escape Fraction for NGC 4214. <i>Astrophysical Journal</i> , 2020, 902, 54.	4.5	21
29	Molecular Gas Properties on Cloud Scales across the Local Star-forming Galaxy Population. <i>Astrophysical Journal Letters</i> , 2020, 901, L8.	8.3	85
30	A z=0 Multiwavelength Galaxy Synthesis. I. A WISE and GALEX Atlas of Local Galaxies. <i>Astrophysical Journal, Supplement Series</i> , 2019, 244, 24.	7.7	150
31	Calibrating Star Formation Rate Prescriptions at Different Scales (10 pcâ€“1 kpc) in M31. <i>Astrophysical Journal</i> , 2019, 873, 3.	4.5	12
32	The Polycyclic Aromatic Hydrocarbon Mass Fraction on a 10 pc Scale in the Magellanic Clouds. <i>Astrophysical Journal</i> , 2019, 876, 62.	4.5	39
33	The Resolved Distributions of Dust Mass and Temperature in Local Group Galaxies. <i>Astrophysical Journal</i> , 2019, 874, 141.	4.5	29
34	METAL: The Metal Evolution, Transport, and Abundance in the Large Magellanic Cloud Hubble Program. I. Overview and Initial Results. <i>Astrophysical Journal</i> , 2019, 871, 151.	4.5	27
35	Mapping Metallicity Variations across Nearby Galaxy Disks. <i>Astrophysical Journal</i> , 2019, 887, 80.	4.5	103
36	[C i](1â€“0) and [C i](2â€“1) in Resolved Local Galaxies*. <i>Astrophysical Journal</i> , 2019, 887, 105.	4.5	22

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37	Mapping Electron Temperature Variations across a Spiral Arm in NGC 1672. <i>Astrophysical Journal Letters</i> , 2019, 885, L31.	8.3	17
38	The Origins Space Telescope. , 2019, , .		2
39	The parsecâ€“scale relationship between CO and AV in local molecular clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 4672-4708.	4.4	16
40	The Spatially Resolved Dust-to-metals Ratio in M101. <i>Astrophysical Journal</i> , 2018, 865, 117.	4.5	39
41	A SOFIA Survey of [C ii] in the Galaxy M51. I. [C ii] as a Tracer of Star Formation. <i>Astrophysical Journal Letters</i> , 2018, 869, L30.	8.3	14
42	The Origins Space Telescope. <i>Nature Astronomy</i> , 2018, 2, 596-599.	10.1	41
43	Star Formation Efficiency per Free-fall Time in nearby Galaxies. <i>Astrophysical Journal Letters</i> , 2018, 861, L18.	8.3	97
44	H i Kinematics along the Minor Axis of M82. <i>Astrophysical Journal</i> , 2018, 856, 61.	4.5	35
45	Overview of the Origins Space telescope: science drivers to observatory requirements. , 2018, , .		2
46	SPHEREx: an all-sky NIR spectral survey. , 2018, , .		13
47	The Origins Space Telescope: mission concept overview. , 2018, , .		15
48	The Radio Spectral Energy Distribution and Star-formation Rate Calibration in Galaxies. <i>Astrophysical Journal</i> , 2017, 836, 185.	4.5	102
49	Thermal Pressure in the Cold Neutral Medium of Nearby Galaxies. <i>Astrophysical Journal</i> , 2017, 835, 201.	4.5	33
50	Updated 34-band Photometry for the SINGS/KINGFISH Samples of Nearby Galaxies. <i>Astrophysical Journal</i> , 2017, 837, 90.	4.5	49
51	The Origin of [C ii] 157 μ m Emission in a Five-component Interstellar Medium: The Case of NGC 3184 and NGC 628. <i>Astrophysical Journal</i> , 2017, 842, 4.	4.5	24
52	THE SPATIALLY RESOLVED COOLING LINE DEFICIT IN GALAXIES. <i>Astrophysical Journal</i> , 2017, 834, 5.	4.5	79
53	The Origins of [C ii] Emission in Local Star-forming Galaxies. <i>Astrophysical Journal</i> , 2017, 845, 96.	4.5	73
54	PHIBSS: exploring the dependence of the COâ€“H ₂ conversion factor on total mass surface density at $z \lesssim 1.5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 4886-4901.	4.4	20

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55	Attenuation Modified by DIG and Dust as Seen in M31. <i>Astrophysical Journal</i> , 2017, 844, 155.	4.5	12
56	Panchromatic Hubble Andromeda Treasury. XVIII. The High-mass Truncation of the Star Cluster Mass Function. <i>Astrophysical Journal</i> , 2017, 839, 78.	4.5	75
57	The Survey of Lines in M31 (SLIM): The Drivers of the [C ii]/TIR Variation. <i>Astrophysical Journal</i> , 2017, 842, 128.	4.5	12
58	The EDGE-CALIFA Survey: Interferometric Observations of 126 Galaxies with CARMA. <i>Astrophysical Journal</i> , 2017, 846, 159.	4.5	136
59	The Small Magellanic Cloud Investigation of Dust and Gas Evolution (SMIDGE): The Dust Extinction Curve from Red Clump Stars. <i>Astrophysical Journal</i> , 2017, 847, 102.	4.5	20
60	THE MOLECULAR CLOUDS FUELING A 1/5 SOLAR METALLICITY STARBURST. <i>Astrophysical Journal</i> , 2016, 828, 50.	4.5	21
61	A PORTRAIT OF COLD GAS IN GALAXIES AT 60 pc RESOLUTION AND A SIMPLE METHOD TO TEST HYPOTHESES THAT LINK SMALL-SCALE ISM STRUCTURE TO GALAXY-SCALE PROCESSES. <i>Astrophysical Journal</i> , 2016, 831, 16.	4.5	92
62	Risk of thromboembolic disease in men with prostate cancer undergoing androgen deprivation therapy. <i>BJU International</i> , 2016, 118, 391-398.	2.5	23
63	PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XVI. STAR CLUSTER FORMATION EFFICIENCY AND THE CLUSTERED FRACTION OF YOUNG STARS. <i>Astrophysical Journal</i> , 2016, 827, 33.	4.5	84
64	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XV. THE BEAST: BAYESIAN EXTINCTION AND STELLAR TOOL*. <i>Astrophysical Journal</i> , 2016, 826, 104.	4.5	36
65	THE IONIZED GAS IN NEARBY GALAXIES AS TRACED BY THE 122 AND 205 $\hat{1}$ / ₄ m TRANSITIONS. <i>Astrophysical Journal</i> , 2016, 826, 175.	4.5	58
66	THE EMPIRE SURVEY: SYSTEMATIC VARIATIONS IN THE DENSE GAS FRACTION AND STAR FORMATION EFFICIENCY FROM FULL-DISK MAPPING OF M51. <i>Astrophysical Journal Letters</i> , 2016, 822, L26.	8.3	98
67	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. VIII. A WIDE-AREA, HIGH-RESOLUTION MAP OF DUST EXTINCTION IN M31. <i>Astrophysical Journal</i> , 2015, 814, 3.	4.5	72
68	THE MULTI-PHASE COLD FOUNTAIN IN M82 REVEALED BY A WIDE, SENSITIVE MAP OF THE MOLECULAR INTERSTELLAR MEDIUM. <i>Astrophysical Journal</i> , 2015, 814, 83.	4.5	136
69	VARIATIONS IN THE STAR FORMATION EFFICIENCY OF THE DENSE MOLECULAR GAS ACROSS THE DISKS OF STAR-FORMING GALAXIES. <i>Astronomical Journal</i> , 2015, 150, 115.	4.7	145
70	ALMA REVEALS THE MOLECULAR MEDIUM FUELING THE NEAREST NUCLEAR STARBURST. <i>Astrophysical Journal</i> , 2015, 801, 25.	4.5	157
71	Learning in the tutorial group: A balance between individual freedom and institutional control. <i>Clinical Linguistics and Phonetics</i> , 2014, 28, 47-59.	0.9	8
72	DUST AND GAS IN THE MAGELLANIC CLOUDS FROM THE HERITAGE<i>HERSCHEL</i>KEY PROJECT. I. DUST PROPERTIES AND INSIGHTS INTO THE ORIGIN OF THE SUBMILLIMETER EXCESS EMISSION. <i>Astrophysical Journal</i> , 2014, 797, 85.	4.5	125

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73	ANDROMEDA'S DUST. <i>Astrophysical Journal</i> , 2014, 780, 172.	4.5	258
74	The rarity of dust in metal-poor galaxies. <i>Nature</i> , 2014, 505, 186-189.	27.8	75
75	DUSTY OB STARS IN THE SMALL MAGELLANIC CLOUD. I. OPTICAL SPECTROSCOPY REVEALS PREDOMINANTLY MAIN-SEQUENCE OB STARS. <i>Astrophysical Journal</i> , 2013, 771, 111.	4.5	11
76	INVESTIGATING THE PRESENCE OF 500 μ m SUBMILLIMETER EXCESS EMISSION IN LOCAL STAR FORMING GALAXIES. <i>Astrophysical Journal</i> , 2013, 778, 51.	4.5	19
77	DUSTY OB STARS IN THE SMALL MAGELLANIC CLOUD. II. EXTRAGALACTIC DISKS OR EXAMPLES OF THE PLEIADES PHENOMENON?. <i>Astrophysical Journal</i> , 2013, 771, 112.	4.5	10
78	A HIGH-DISPERSION MOLECULAR GAS COMPONENT IN NEARBY GALAXIES. <i>Astronomical Journal</i> , 2013, 146, 150.	4.7	86
79	MOLECULAR GAS AND STAR FORMATION IN NEARBY DISK GALAXIES. <i>Astronomical Journal</i> , 2013, 146, 19.	4.7	505
80	CLUMPING AND THE INTERPRETATION OF kpc-SCALE MAPS OF THE INTERSTELLAR MEDIUM: SMOOTH H I AND CLUMPY, VARIABLE H ₂ SURFACE DENSITY. <i>Astrophysical Journal Letters</i> , 2013, 769, L12.	8.3	43
81	QUANTIFYING NON-STAR-FORMATION-ASSOCIATED 8 μ m DUST EMISSION IN NGC 628. <i>Astrophysical Journal</i> , 2013, 762, 79.	4.5	40
82	LOW CO LUMINOSITIES IN DWARF GALAXIES. <i>Astronomical Journal</i> , 2012, 143, 138.	4.7	190
83	ESTIMATING THE STAR FORMATION RATE AT 1 kpc SCALES IN NEARBY GALAXIES. <i>Astronomical Journal</i> , 2012, 144, 3.	4.7	155
84	THE SPITZER SPECTROSCOPIC SURVEY OF THE SMALL MAGELLANIC CLOUD (S ⁴ MC): PROBING THE PHYSICAL STATE OF POLYCYCLIC AROMATIC HYDROCARBONS IN A LOW-METALLICITY ENVIRONMENT. <i>Astrophysical Journal</i> , 2012, 744, 20.	4.5	73
85	The heating of dust by old stellar populations in the bulge of M31. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 892-902.	4.4	103
86	THE EMISSION BY DUST AND STARS OF NEARBY GALAXIES IN THE HERSCHEL KINGFISH SURVEY. <i>Astrophysical Journal</i> , 2011, 738, 89.	4.5	145
87	THE STATE OF THE GAS AND THE RELATION BETWEEN GAS AND STAR FORMATION AT LOW METALLICITY: THE SMALL MAGELLANIC CLOUD. <i>Astrophysical Journal</i> , 2011, 741, 12.	4.5	178
88	THE CO-TO-H ₂ CONVERSION FACTOR FROM INFRARED DUST EMISSION ACROSS THE LOCAL GROUP. <i>Astrophysical Journal</i> , 2011, 737, 12.	4.5	461
89	A MOLECULAR STAR FORMATION LAW IN THE ATOMIC-GAS-DOMINATED REGIME IN NEARBY GALAXIES. <i>Astronomical Journal</i> , 2011, 142, 37.	4.7	436
90	THE SCALE DEPENDENCE OF THE MOLECULAR GAS DEPLETION TIME IN M33. <i>Astrophysical Journal</i> , 2010, 722, 1699-1706.	4.5	186

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91	THE <i>SPITZER</i> SURVEY OF THE SMALL MAGELLANIC CLOUD (S ³ MC): INSIGHTS INTO THE LIFE CYCLE OF POLYCYCLIC AROMATIC HYDROCARBONS. <i>Astrophysical Journal</i> , 2010, 715, 701-723.	4.5	99
92	MEASURING DUST PRODUCTION IN THE SMALL MAGELLANIC CLOUD CORE-COLLAPSE SUPERNOVA REMNANT 1E 0102.2-7219. <i>Astrophysical Journal</i> , 2009, 696, 2138-2154.	4.5	39
93	THE STRUCTURE OF A LOW-METALLICITY GIANT MOLECULAR CLOUD COMPLEX. <i>Astrophysical Journal</i> , 2009, 702, 352-367.	4.5	92
94	Prerequisites for carrying out physiotherapy and physical activity – experiences from adults with cerebral palsy. <i>Disability and Rehabilitation</i> , 2009, 31, 161-169.	1.8	21
95	The <i>Spitzer</i> spectroscopic survey of the Small Magellanic Cloud: polycyclic aromatic hydrocarbon emission from SMC star-forming regions. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 160-165.	0.0	0
96	The lived body – experiences from adults with cerebral palsy. <i>Clinical Rehabilitation</i> , 2007, 21, 432-441.	2.2	53
97	The <i>Spitzer</i> Survey of the Small Magellanic Cloud: S3MC Imaging and Photometry in the Mid- and Far-Infrared Wave Bands. <i>Astrophysical Journal</i> , 2007, 655, 212-232.	4.5	176
98	A Parallax Distance of α Centauri. <i>Astronomical Journal</i> , 2007, 134, 1000-1003.	4.5	133
99	A Preliminary Investigation of the Diffuse Interstellar Line at 8621 Å.... <i>Publications of the Astronomical Society of the Pacific</i> , 2007, 119, 1268-1277.	3.1	20
100	<i>Spitzer</i> Space Telescope Detection of the Young Supernova Remnant 1E 0102.2-7219. <i>Astrophysical Journal</i> , 2005, 632, L103-L106.	4.5	32