

Gregory Sloan

List of Publications by Year in descending order

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62
papers

4,097
citations

117453

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62
all docs

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docs citations

62
times ranked

2724
citing authors

#	ARTICLE	IF	CITATIONS
1	The Infrared Spectrograph (IRS) on the Spitzer Space Telescope. <i>Astrophysical Journal, Supplement Series</i> , 2004, 154, 18-24.	3.0	1,303
2	A Uniform Database of 2.4–45.4 Micron Spectra from the Infrared Space Observatory Short Wavelength Spectrometer. <i>Astrophysical Journal, Supplement Series</i> , 2003, 147, 379-401.	3.0	213
3	The global gas and dust budget of the Large Magellanic Cloud: AGB stars and supernovae, and the impact on the ISM evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 396, 918-934.	1.6	176
4	The Unusual Hydrocarbon Emission from the Early Carbon Star HD 100764: The Connection between Aromatics and Aliphatics. <i>Astrophysical Journal</i> , 2007, 664, 1144-1153.	1.6	140
5	Luminosities and mass-loss rates of SMC and LMC AGB stars and red supergiants. <i>Astronomy and Astrophysics</i> , 2009, 506, 1277-1296.	2.1	138
6	A Spitzer mid-infrared spectral survey of mass-losing carbon stars in the Large Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 1961-1978.	1.6	94
7	Luminosities and mass-loss rates of carbon stars in the Magellanic Clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 376, 313-337.	1.6	94
8	The Magellanic Zoo: Mid-Infrared Spitzer Spectroscopy of Evolved Stars and Circumstellar Dust in the Magellanic Clouds. <i>Astrophysical Journal</i> , 2008, 686, 1056-1081.	1.6	87
9	Molecules and dust production in the Magellanic Clouds. <i>Astronomy and Astrophysics</i> , 2008, 487, 1055-1073.	2.1	85
10	Classification of 2.4–45.2 Micron Spectra from the Infrared Space Observatory Short Wavelength Spectrometer. <i>Astrophysical Journal, Supplement Series</i> , 2002, 140, 389-406.	3.0	81
11	The SAGE-Spec Spitzer Legacy Program: The Life Cycle of Dust and Gas in the Large Magellanic Cloud. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 683-700.	1.0	78
12	Guilt by Association: The 13 Micron Dust Emission Feature and Its Correlation to Other Gas and Dust Features. <i>Astrophysical Journal</i> , 2003, 594, 483-495.	1.6	77
13	CARBON-RICH DUST PAST THE ASYMPTOTIC GIANT BRANCH: ALIPHATICS, AROMATICS, AND FULLERENES IN THE MAGELLANIC CLOUDS. <i>Astrophysical Journal</i> , 2014, 791, 28.	1.6	75
14	UNUSUAL DUST EMISSION FROM PLANETARY NEBULAE IN THE MAGELLANIC CLOUDS. <i>Astrophysical Journal</i> , 2009, 699, 1541-1552.	1.6	73
15	Mid-Infrared Spectroscopy of Carbon Stars in the Small Magellanic Cloud. <i>Astrophysical Journal</i> , 2006, 645, 1118-1130.	1.6	68
16	Spitzer spectroscopy of carbon stars in the Small Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 376, 1270-1284.	1.6	67
17	Sources of the 13 Micron Feature Associated with Oxygen-rich Circumstellar Dust. <i>Astrophysical Journal</i> , 1996, 463, 310.	1.6	67
18	Dust Formation in a Galaxy with Primitive Abundances. <i>Science</i> , 2009, 323, 353-355.	6.0	61

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19	Spitzer observations of acetylene bands in carbon-rich asymptotic giant branch stars in the Large Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 371, 415-420.	1.6	60
20	Spitzer Space Telescope spectra of post-AGB stars in the Large Magellanic Cloud – polycyclic aromatic hydrocarbons at low metallicities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 1472-1493.	1.6	59
21	AN INFRARED CENSUS OF DUST IN NEARBY GALAXIES WITH <i>SPITZER</i> (DUSTINGS). II. DISCOVERY OF METAL-POOR DUSTY AGB STARS. <i>Astrophysical Journal</i> , 2015, 800, 51.	1.6	55
22	A <i>SPITZER</i> SPACE TELESCOPE FAR-INFRARED SPECTRAL ATLAS OF COMPACT SOURCES IN THE MAGELLANIC CLOUDS. II. THE SMALL MAGELLANIC CLOUD. <i>Astronomical Journal</i> , 2010, 139, 1553-1565.	1.9	52
23	Luminosities and mass-loss rates of Local Group AGB stars and red supergiants. <i>Astronomy and Astrophysics</i> , 2018, 609, A114.	2.1	52
24	Discovery of Extreme Carbon Stars in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2008, 688, L9-L12.	1.6	51
25	AN INFRARED CENSUS OF DUST IN NEARBY GALAXIES WITH <i>SPITZER</i> (DUSTINGS). I. OVERVIEW. <i>Astrophysical Journal, Supplement Series</i> , 2015, 216, 10.	3.0	49
26	<i>SPITZER</i> SPECTROSCOPY OF MASS-LOSS AND DUST PRODUCTION BY EVOLVED STARS IN GLOBULAR CLUSTERS. <i>Astrophysical Journal</i> , 2010, 719, 1274-1292.	1.6	48
27	DISCOVERY AND ANALYSIS OF 21 14m FEATURE SOURCES IN THE MAGELLANIC CLOUDS. <i>Astrophysical Journal</i> , 2011, 735, 127.	1.6	48
28	The SAGE-Spec Spitzer Legacy program: the life-cycle of dust and gas in the Large Magellanic Cloud. Point source classification – III. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 3250-3282.	1.6	47
29	Effects of Metallicity on the Chemical Composition of Carbon Stars. <i>Astrophysical Journal</i> , 2008, 681, 1557-1573.	1.6	43
30	Spitzer Space Telescope spectral observations of AGB stars in the Fornax dwarf spheroidal galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 382, 1889-1900.	1.6	41
31	<i>Spitzer</i> infrared spectrograph point source classification in the Small Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 3504-3536.	1.6	41
32	Chemical Abundances and Dust in Planetary Nebulae in the Galactic Bulge. <i>Astrophysical Journal</i> , 2008, 680, 1206-1221.	1.6	39
33	CARBON-RICH DUST PRODUCTION IN METAL-POOR GALAXIES IN THE LOCAL GROUP. <i>Astrophysical Journal</i> , 2012, 752, 140.	1.6	39
34	Spitzer spectra of evolved stars in $\bar{\omega}$ Centauri and their low-metallicity dust production. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 20-31.	1.6	36
35	THE INFRARED SPECTRAL PROPERTIES OF MAGELLANIC CARBON STARS. <i>Astrophysical Journal</i> , 2016, 826, 44.	1.6	36
36	The Carbon-rich Dust Sequence: Infrared Spectral Classification of Carbon Stars. <i>Astronomical Journal</i> , 1998, 115, 809-820.	1.9	33

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37	The James Webb Space Telescope Absolute Flux Calibration. I. Program Design and Calibrator Stars. <i>Astronomical Journal</i> , 2022, 163, 267.	1.9	32
38	DUSTINGS. III. DISTRIBUTION OF INTERMEDIATE-AGE AND OLD STELLAR POPULATIONS IN DISKS AND OUTER EXTREMITIES OF DWARF GALAXIES. <i>Astrophysical Journal</i> , 2017, 834, 78.	1.6	31
39	Modelling the alumina abundance of oxygen-rich evolved stars in the Large Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 631-651.	1.6	30
40	An Infrared Census of DUST in Nearby Galaxies with Spitzer (DUSTINGS). IV. Discovery of High-redshift AGB Analogs [*] . <i>Astrophysical Journal</i> , 2017, 851, 152.	1.6	29
41	The low wind expansion velocity of metal-poor carbon stars in the Halo and the Sagittarius stream. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 403, 1331-1338.	1.6	25
42	An Infrared Census of DUST in Nearby Galaxies with Spitzer (DUSTINGS). V. The Period-Luminosity Relation for Dusty Metal-poor AGB Stars. <i>Astrophysical Journal</i> , 2019, 877, 49.	1.6	23
43	SPECTRAL CALIBRATION IN THE MID-INFRARED: CHALLENGES AND SOLUTIONS. <i>Astronomical Journal</i> , 2015, 149, 11.	1.9	20
44	VISTA variables in the Sagittarius dwarf spheroidal galaxy: pulsation-versus dust-driven winds on the giant branches. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 2618-2637.	1.6	16
45	Witnessing the emergence of a carbon star. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 451, L1-L5.	1.2	16
46	Artifacts at 4.5 and 8.0 Microns in Short-Wavelength Spectra from the [ITAL]Infrared Space Observatory[/ITAL]. <i>Astrophysical Journal</i> , 2002, 565, L55-L58.	1.6	10
47	EU Del: exploring the onset of pulsation-driven winds in giant stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 4542-4550.	1.6	10
48	Optical and Near-infrared Pulsation Properties of RR Lyrae and Population II Cepheid Variables in the Messier 15 Globular Cluster. <i>Astrophysical Journal</i> , 2021, 922, 20.	1.6	10
49	Searching for TESS Photometric Variability of Possible JWST Spectrophotometric Standard Stars. <i>Astronomical Journal</i> , 2022, 163, 136.	1.9	8
50	Circumstellar CO in metal-poor stellar winds: the highly irradiated globular cluster star 47 Tucanae V3. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 484, L85-L89.	1.2	7
51	Infrared Absolute Calibration. I. Comparison of Sirius with Fainter Calibration Stars. <i>Astronomical Journal</i> , 2022, 163, 45.	1.9	6
52	Stellar Pulsation and the Production of Dust and Molecules in Galactic Carbon Stars. <i>Astrophysical Journal</i> , 2019, 887, 82.	1.6	5
53	The Nearby Evolved Stars Survey II: Constructing a volume-limited sample and first results from the James Clerk Maxwell Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1091-1110.	1.6	5
54	Asymptotic Giant Branch Stars in the Nearby Dwarf Galaxy Leo P*. <i>Astrophysical Journal</i> , 2019, 884, 152.	1.6	4

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55	Trends in Silicates in the \hat{I}^2 Pictoris Disk. <i>Astrophysical Journal</i> , 2022, 933, 54.	1.6	3
56	Dust in planetary nebulae. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 121-127.	0.0	1
57	Molecules and Dust Grains in AGB Stars in Nearby Galaxies—the Influence of Metallicities. , 2007, , .		0
58	AGB stars as an origin of dust and gas in the interstellar medium of galaxies. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	0
59	The production of dust in the Magellanic Clouds. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 405-410.	0.0	0
60	Carbon-rich AGB stars in our Galaxy and nearby galaxies as possible sources of PAHs. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 197-200.	0.0	0
61	Dust & Abundances of Metal-Poor Planetary Nebulae in the Galactic Anti-Center. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 341-342.	0.0	0
62	The End: Witnessing the Death of Extreme Carbon Stars. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 305-308.	0.0	0