

Brian Babler

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The Role of Neutral Hydrogen in Setting the Abundances of Molecular Species in the Milky Way's Diffuse Interstellar Medium. II. Comparison between Observations and Theoretical Models. <i>Astrophysical Journal</i> , 2022, 926, 190.	4.5	3
2	The Role of Neutral Hydrogen in Setting the Abundances of Molecular Species in the Milky Way's Diffuse Interstellar Medium. I. Observational Constraints from ALMA and NOEMA. <i>Astrophysical Journal</i> , 2022, 928, 79.	4.5	5
3	Small-scale Structure Traced by Neutral Hydrogen Absorption in the Direction of Multiple-component Radio Continuum Sources. <i>Astrophysical Journal</i> , 2020, 893, 152.	4.5	4
4	13 yr of P Cygni Spectropolarimetry: Investigating Mass Loss through H β , Periodicity, and Ellipticity. <i>Astrophysical Journal</i> , 2020, 900, 162.	4.5	1
5	Identifying Young Stellar Objects in the Outer Galaxy: The 224° Region in Canis Major. <i>Astrophysical Journal</i> , Supplement Series, 2019, 240, 26.	7.7	17
6	Mapping Spatial Variations of H I Turbulent Properties in the Small and Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2019, 887, 111.	4.5	17
7	The GALFA-H I Survey Data Release 2. <i>Astrophysical Journal</i> , Supplement Series, 2018, 234, 2.	7.7	73
8	The 21-SPONGE H I Absorption Line Survey. I. The Temperature of Galactic H I. <i>Astrophysical Journal</i> , Supplement Series, 2018, 238, 14.	7.7	74
9	Recovering Interstellar Gas Properties with H I Spectral Lines: A Comparison between Synthetic Spectra and 21-SPONGE. <i>Astrophysical Journal</i> , 2017, 837, 55.	4.5	21
10	Spatial Variations of Turbulent Properties of Neutral Hydrogen Gas in the Small Magellanic Cloud Using Structure-function Analysis. <i>Astrophysical Journal</i> , 2017, 845, 53.	4.5	13
11	THE INFLUENCE OF SUPERNOVA REMNANTS ON THE INTERSTELLAR MEDIUM IN THE LARGE MAGELLANIC CLOUD SEEN AT 20-600 μ m WAVELENGTHS. <i>Astrophysical Journal</i> , 2015, 799, 50.	4.5	59
12	AUTONOMOUS GAUSSIAN DECOMPOSITION. <i>Astronomical Journal</i> , 2015, 149, 138.	4.7	53
13	THE 21-SPONGE H I ABSORPTION SURVEY. I. TECHNIQUES AND INITIAL RESULTS. <i>Astrophysical Journal</i> , 2015, 804, 89.	4.5	60
14	SAGE-VAR: AN INFRARED SURVEY OF VARIABILITY IN THE MAGELLANIC CLOUDS. <i>Astrophysical Journal</i> , 2015, 807, 1.	4.5	35
15	HERSCHEL KEY PROGRAM HERITAGE: A FAR-INFRARED SOURCE CATALOG FOR THE MAGELLANIC CLOUDS. <i>Astronomical Journal</i> , 2014, 148, 124.	4.7	56
16	DUST AND GAS IN THE MAGELLANIC CLOUDS FROM THE HERITAGE HERSCHEL 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
17	DUST AND GAS IN THE MAGELLANIC CLOUDS FROM THE HERITAGE HERSCHEL KEY PROJECT. II. GAS-TO-DUST RATIO VARIATIONS ACROSS INTERSTELLAR MEDIUM PHASES. <i>Astrophysical Journal</i> , 2014, 797, 86.	4.5	112
18	THE HERSCHEL INVENTORY OF THE AGENTS OF GALAXY EVOLUTION IN THE MAGELLANIC CLOUDS, A HERSCHEL OPEN TIME KEY PROGRAM. <i>Astronomical Journal</i> , 2013, 146, 62.	4.7	135

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19	SURVEYING THE AGENTS OF GALAXY EVOLUTION IN THE TIDALLY STRIPPED, LOW METALLICITY SMALL MAGELLANIC CLOUD (SAGE-SMC). III. YOUNG STELLAR OBJECTS. <i>Astrophysical Journal</i> , 2013, 778, 15.	4.5	53
20	THE SPATIAL DISTRIBUTION OF DUST AND STELLAR EMISSION OF THE MAGELLANIC CLOUDS. <i>Astrophysical Journal</i> , 2012, 761, 42.	4.5	36
21	SURVEYING THE AGENTS OF GALAXY EVOLUTION IN THE TIDALLY STRIPPED, LOW METALLICITY SMALL MAGELLANIC CLOUD (SAGE-SMC). II. COOL EVOLVED STARS. <i>Astronomical Journal</i> , 2011, 142, 103.	4.7	136
22	A CATALOG OF <i>CHANDRA</i> X-RAY SOURCES IN THE CARINA NEBULA. <i>Astrophysical Journal</i> , Supplement Series, 2011, 194, 2.	7.7	77
23	CANDIDATE X-RAY-EMITTING OB STARS IN THE CARINA NEBULA IDENTIFIED VIA INFRARED SPECTRAL ENERGY DISTRIBUTIONS. <i>Astrophysical Journal</i> , Supplement Series, 2011, 194, 6.	7.7	37
24	A PAN-CARINA YOUNG STELLAR OBJECT CATALOG: INTERMEDIATE-MASS YOUNG STELLAR OBJECTS IN THE CARINA NEBULA IDENTIFIED VIA MID-INFRARED EXCESS EMISSION. <i>Astrophysical Journal</i> , Supplement Series, 2011, 194, 14.	7.7	105
25	<i>SPITZER</i> ANALYSIS OF H II REGION COMPLEXES IN THE MAGELLANIC CLOUDS: DETERMINING A SUITABLE MONOCHROMATIC OBSCURED STAR FORMATION INDICATOR. <i>Astrophysical Journal</i> , 2010, 716, 453-473.	4.5	44
26	IS DUST FORMING ON THE RED GIANT BRANCH IN 47 Tuc?. <i>Astrophysical Journal Letters</i> , 2010, 711, L99-L103.	8.3	41
27	YOUNG STELLAR OBJECTS IN THE LARGE MAGELLANIC CLOUD STAR-FORMING REGION N206. <i>Astrophysical Journal</i> , 2010, 721, 357-368.	4.5	13
28	<i>SPITZER</i> SAGE-SMC INFRARED PHOTOMETRY OF MASSIVE STARS IN THE SMALL MAGELLANIC CLOUD. <i>Astronomical Journal</i> , 2010, 140, 416-429.	4.7	129
29	THE EXTENDED ENVIRONMENT OF M17: A STAR FORMATION HISTORY. <i>Astrophysical Journal</i> , 2009, 696, 1278-1306.	4.5	97
30	DUST PRODUCTION AND MASS LOSS IN THE GALACTIC GLOBULAR CLUSTER NGC 362. <i>Astrophysical Journal</i> , 2009, 705, 746-757.	4.5	40
31	VARIABLE EVOLVED STARS AND YOUNG STELLAR OBJECTS DISCOVERED IN THE LARGE MAGELLANIC CLOUD USING THE <i>SAGE</i> SURVEY. <i>Astronomical Journal</i> , 2009, 137, 3139-3148.	4.7	48
32	<i>SPITZER</i> SAGE INFRARED PHOTOMETRY OF MASSIVE STARS IN THE LARGE MAGELLANIC CLOUD. <i>Astronomical Journal</i> , 2009, 138, 1003-1021.	4.7	155
33	The <i>Spitzer</i> GLIMPSE Surveys: A New View of the Milky Way. <i>Publications of the Astronomical Society of the Pacific</i> , 2009, 121, 213-230.	3.1	792
34	THE MASS LOSS RETURN FROM EVOLVED STARS TO THE LARGE MAGELLANIC CLOUD: EMPIRICAL RELATIONS FOR EXCESS EMISSION AT 8 AND 24 μ m. <i>Astronomical Journal</i> , 2009, 137, 4810-4823.	4.7	91
35	LIFTING THE DUSTY VEIL WITH NEAR- AND MID-INFRARED PHOTOMETRY. II. A LARGE-SCALE STUDY OF THE GALACTIC INFRARED EXTINCTION LAW. <i>Astrophysical Journal</i> , 2009, 707, 510-523.	4.5	89
36	INTRINSICALLY RED SOURCES OBSERVED BY <i>SPITZER</i> IN THE GALACTIC MIDPLANE. <i>Astronomical Journal</i> , 2008, 136, 2413-2440.	4.7	184

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37	THE LARGE MAGELLANIC CLOUD'S LARGEST MOLECULAR CLOUD COMPLEX: <i>SPITZER</i> ANALYSIS OF EMBEDDED STAR FORMATION. <i>Astronomical Journal</i> , 2008, 136, 1442-1454.	4.7	23
38	A CATALOG OF EXTENDED GREEN OBJECTS IN THE GLIMPSE SURVEY: A NEW SAMPLE OF MASSIVE YOUNG STELLAR OBJECT OUTFLOW CANDIDATES. <i>Astronomical Journal</i> , 2008, 136, 2391-2412.	4.7	380
39	Early results from the SAGE-SMC <i>Spitzer</i> legacy. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 184-188.	0.0	0
40	Infrared Dust Bubbles: Probing the Detailed Structure and Young Massive Stellar Populations of Galactic H ₂ Regions. <i>Astrophysical Journal</i> , 2008, 681, 1341-1355.	4.5	151
41	<i>SPITZER</i> SAGE SURVEY OF THE LARGE MAGELLANIC CLOUD. III. STAR FORMATION AND $\sim 1/4$ 1000 NEW CANDIDATE YOUNG STELLAR OBJECTS. <i>Astronomical Journal</i> , 2008, 136, 18-43.	4.7	182
42	<i>SPITZER</i> SURVEY OF THE LARGE MAGELLANIC CLOUD, SURVEYING THE AGENTS OF A GALAXY'S EVOLUTION (SAGE). IV. DUST PROPERTIES IN THE INTERSTELLAR MEDIUM. <i>Astronomical Journal</i> , 2008, 136, 919-945.	4.7	140
43	<i>SPITZER</i> SAGE OBSERVATIONS OF LARGE MAGELLANIC CLOUD PLANETARY NEBULAE. <i>Astronomical Journal</i> , 2008, 135, 726-736.	4.7	39
44	Interstellar Weather Vanes: GLIMPSE Mid-Infrared Stellar Wind Bow Shocks in M17 and RCW 49. <i>Astrophysical Journal</i> , 2008, 689, 242-248.	4.5	54
45	A Multiwavelength Study of M17: The Spectral Energy Distribution and PAH Emission Morphology of a Massive Star Formation Region. <i>Astrophysical Journal</i> , 2007, 660, 346-362.	4.5	147
46	A GLIMPSE of the Southern Jellyfish Nebula and Its Massive YSO. <i>Astrophysical Journal</i> , 2007, 656, 242-247.	4.5	4
47	<i>Spitzer</i> IRAC Observations of Newly Discovered Planetary Nebulae from the Macquarie-Strasbourg HI± Planetary Nebula Project. <i>Astrophysical Journal</i> , 2007, 669, 343-362.	4.5	45
48	The Bubbling Galactic Disk. II. The Inner 20o. <i>Astrophysical Journal</i> , 2007, 670, 428-441.	4.5	176
49	Infrared Point-Source Variability between the <i>Spitzer</i> and <i>Midcourse Space Experiment</i> Surveys of the Galactic Midplane. <i>Astronomical Journal</i> , 2007, 134, 2099-2112.	4.7	12
50	Structure Generation by Irradiation: What Can GLIMPSE Teach Us about the ISM Structure?. <i>Astrophysical Journal</i> , 2007, 656, 227-241.	4.5	8
51	Discovery of Two Galaxies Deeply Embedded in the Great Attractor Wall. <i>Astronomical Journal</i> , 2007, 133, 979-986.	4.7	8
52	The Frequency of Mid-Infrared Excess Sources in Galactic Surveys. <i>Astrophysical Journal</i> , 2007, 658, 1264-1288.	4.5	18
53	Embedded Star Formation in the Eagle Nebula with <i>Spitzer</i> GLIMPSE. <i>Astrophysical Journal</i> , 2007, 666, 321-338.	4.5	65
54	Absolute diffuse calibration of IRAC through mid-infrared and radio study of H II regions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 374, 979-998.	4.4	40

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55	Molecular Outflows and a Mid-Infrared Census of the Massive Star Formation Region Associated with IRAS 18507+0121. <i>Astrophysical Journal</i> , 2007, 669, 464-482.	4.5	59
56	The Bubbling Galactic Disk. <i>Astrophysical Journal</i> , 2006, 649, 759-778.	4.5	423
57	A Survey for New Members of Taurus with the Spitzer Space Telescope. <i>Astrophysical Journal</i> , 2006, 647, 1180-1191.	4.5	98
58	A Spitzer Space Telescope Infrared Survey of Supernova Remnants in the Inner Galaxy. <i>Astronomical Journal</i> , 2006, 131, 1479-1500.	4.7	218
59	Spitzer Survey of the Large Magellanic Cloud: Surveying the Agents of a Galaxy's Evolution (SAGE). I. Overview and Initial Results. <i>Astronomical Journal</i> , 2006, 132, 2268-2288.	4.7	567
60	G313.3+00.3: A New Planetary Nebula Discovered by the Australia Telescope Compact Array and the Spitzer Space Telescope. <i>Astrophysical Journal</i> , 2005, 627, 446-453.	4.5	16
61	The Wavelength Dependence of Interstellar Extinction from 1.25 to 8.0 μ m Using GLIMPSE Data. <i>Astrophysical Journal</i> , 2005, 619, 931-938.	4.5	657
62	First GLIMPSE Results on the Stellar Structure of the Galaxy. <i>Astrophysical Journal</i> , 2005, 630, L149-L152.	4.5	318
63	New Star Clusters Discovered in the GLIMPSE Survey. <i>Astrophysical Journal</i> , 2005, 635, 560-569.	4.5	123
64	Discovery of a New Low-Latitude Milky Way Globular Cluster Using GLIMPSE. <i>Astronomical Journal</i> , 2005, 129, 239-250.	4.7	37
65	Identification of Main-Sequence Stars with Mid-Infrared Excesses Using GLIMPSE: ρ Pictoris Analogs?. <i>Astrophysical Journal</i> , 2005, 629, 512-525.	4.5	24
66	A GLIMPSE of Star Formation in the Giant H II Region RCW 49. <i>Astrophysical Journal</i> , Supplement Series, 2004, 154, 315-321.	7.7	65
67	RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the Spitzer Space Telescope. <i>Astrophysical Journal</i> , Supplement Series, 2004, 154, 322-327.	7.7	87
68	Discovery of a Distant Star Formation Region using GLIMPSE. <i>Astrophysical Journal</i> , Supplement Series, 2004, 154, 328-332.	7.7	5
69	GLIMPSE. I. An SIRTF Legacy Project to Map the Inner Galaxy. <i>Publications of the Astronomical Society of the Pacific</i> , 2003, 115, 953-964.	3.1	1,059