Brian Babler

List of Publications by Year
in descending order

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69 papers	8,283 citations	66343 42 h-index	91884 69 g-index
71 all docs	71 docs citations	71 times ranked	4701 citing authors

#	Article	IF	Citations
1	GLIMPSE. I. AnSIRTFLegacy Project to Map the Inner Galaxy. Publications of the Astronomical Society of the Pacific, 2003, 115, 953-964.	3.1	1,059
2	TheSpitzer/GLIMPSE Surveys: A New View of the Milky Way. Publications of the Astronomical Society of the Pacific, 2009, 121, 213-230.	3.1	792
3	The Wavelength Dependence of Interstellar Extinction from 1.25 to 8.0 Î¼m Using GLIMPSE Data. Astrophysical Journal, 2005, 619, 931-938.	4.5	657
4	SpitzerSurvey of the Large Magellanic Cloud: Surveying the Agents of a Galaxy?s Evolution (SAGE). I. Overview and Initial Results. Astronomical Journal, 2006, 132, 2268-2288.	4.7	567
5	The Bubbling Galactic Disk. Astrophysical Journal, 2006, 649, 759-778.	4.5	423
6	A CATALOG OF EXTENDED GREEN OBJECTS IN THE GLIMPSE SURVEY: A NEW SAMPLE OF MASSIVE YOUNG STELLAR OBJECT OUTFLOW CANDIDATES. Astronomical Journal, 2008, 136, 2391-2412.	4.7	380
7	First GLIMPSE Results on the Stellar Structure of the Galaxy. Astrophysical Journal, 2005, 630, L149-L152.	4.5	318
8	ASpitzer Space TelescopeInfrared Survey of Supernova Remnants in the Inner Galaxy. Astronomical Journal, 2006, 131, 1479-1500.	4.7	218
9	INTRINSICALLY RED SOURCES OBSERVED BYSPITZERIN THE GALACTIC MIDPLANE. Astronomical Journal, 2008, 136, 2413-2440.	4.7	184
10	SPITZERSAGE SURVEY OF THE LARGE MAGELLANIC CLOUD. III. STAR FORMATION AND âˆ¼1000 NEW CANDIDATE YOUNG STELLAR OBJECTS. Astronomical Journal, 2008, 136, 18-43.	4.7	182
11	The Bubbling Galactic Disk. II. The Inner 20o. Astrophysical Journal, 2007, 670, 428-441.	4.5	176
12	SPITZERSAGE INFRARED PHOTOMETRY OF MASSIVE STARS IN THE LARGE MAGELLANIC CLOUD. Astronomical Journal, 2009, 138, 1003-1021.	4.7	155
13	Infrared Dust Bubbles: Probing the Detailed Structure and Young Massive Stellar Populations of Galactic H<scp>ii</scp>Regions. Astrophysical Journal, 2008, 681, 1341-1355.	4.5	151
14	A Multiwavelength Study of M17: The Spectral Energy Distribution and PAH Emission Morphology of a Massive Star Formation Region. Astrophysical Journal, 2007, 660, 346-362.	4.5	147
15	SPITZERSURVEY OF THE LARGE MAGELLANIC CLOUD, SURVEYING THE AGENTS OF A GALAXY'S EVOLUTION (SAGE). IV. DUST PROPERTIES IN THE INTERSTELLAR MEDIUM. Astronomical Journal, 2008, 136, 919-945.	4.7	140
16	SURVEYING THE AGENTS OF GALAXY EVOLUTION IN THE TIDALLY STRIPPED, LOW METALLICITY SMALL MAGELLANIC CLOUD (SAGE-SMC). II. COOL EVOLVED STARS. Astronomical Journal, 2011, 142, 103.	4.7	136
17	THE HERschel INVENTORY OF THE AGENTS OF GALAXY EVOLUTION IN THE MAGELLANIC CLOUDS, A HERSCHEL OPEN TIME KEY PROGRAM. Astronomical Journal, 2013, 146, 62.	4.7	135
18	SPITZERSAGE-SMC INFRARED PHOTOMETRY OF MASSIVE STARS IN THE SMALL MAGELLANIC CLOUD. Astronomical Journal, 2010, 140, 416-429.	4.7	129

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19	DUST AND GAS IN THE MAGELLANIC CLOUDS FROM THE HERITAGEHERSCHELKEY PROJECT. I. DUST PROPERTIES AND INSIGHTS INTO THE ORIGIN OF THE SUBMILLIMETER EXCESS EMISSION. Astrophysical Journal, 2014, 797, 85.	4.5	125
20	New Star Clusters Discovered in the GLIMPSE Survey. Astrophysical Journal, 2005, 635, 560-569.	4.5	123
21	DUST AND GAS IN THE MAGELLANIC CLOUDS FROM THE HERITAGE HERSCHEL KEY PROJECT. II. GAS-TO-DUST RATIO VARIATIONS ACROSS INTERSTELLAR MEDIUM PHASES. Astrophysical Journal, 2014, 797, 86.	4.5	112
22	A PAN-CARINA YOUNG STELLAR OBJECT CATALOG: INTERMEDIATE-MASS YOUNG STELLAR OBJECTS IN THE CARINA NEBULA IDENTIFIED VIA MID-INFRARED EXCESS EMISSION. Astrophysical Journal, Supplement Series, 2011, 194, 14.	7.7	105
23	A Survey for New Members of Taurus with theSpitzer Space Telescope. Astrophysical Journal, 2006, 647, 1180-1191.	4.5	98
24	THE EXTENDED ENVIRONMENT OF M17: A STAR FORMATION HISTORY. Astrophysical Journal, 2009, 696, 1278-1306.	4.5	97
25	THE MASS LOSS RETURN FROM EVOLVED STARS TO THE LARGE MAGELLANIC CLOUD: EMPIRICAL RELATIONS FOR EXCESS EMISSION AT 8 AND 24 Î¼m. Astronomical Journal, 2009, 137, 4810-4823.	4.7	91
26	LIFTING THE DUSTY VEIL WITH NEAR- AND MID-INFRARED PHOTOMETRY. II. A LARGE-SCALE STUDY OF THE GALACTIC INFRARED EXTINCTION LAW. Astrophysical Journal, 2009, 707, 510-523.	4.5	89
27	RCW 49 at Midâ€Infrared Wavelengths: A GLIMPSE from the Spitzer Space Telescope. Astrophysical Journal, Supplement Series, 2004, 154, 322-327.	7.7	87
28	A CATALOG OF CHANDRA X-RAY SOURCES IN THE CARINA NEBULA. Astrophysical Journal, Supplement Series, 2011, 194, 2.	7.7	77
29	The 21-SPONGE H i Absorption Line Survey. I. The Temperature of Galactic H i. Astrophysical Journal, Supplement Series, 2018, 238, 14.	7.7	74
30	The GALFA-H i Survey Data Release 2. Astrophysical Journal, Supplement Series, 2018, 234, 2.	7.7	73
31	A GLIMPSE of Star Formation in the Giant H ii Region RCW 49. Astrophysical Journal, Supplement Series, 2004, 154, 315-321.	7.7	65
32	Embedded Star Formation in the Eagle Nebula withSpitzerGLIMPSE. Astrophysical Journal, 2007, 666, 321-338.	4.5	65
33	THE 21-SPONGE H i ABSORPTION SURVEY. I. TECHNIQUES AND INITIAL RESULTS. Astrophysical Journal, 2015, 804, 89.	4.5	60
34	THE INFLUENCE OF SUPERNOVA REMNANTS ON THE INTERSTELLAR MEDIUM IN THE LARGE MAGELLANIC CLOUD SEEN AT 20-600 Î¼m WAVELENGTHS. Astrophysical Journal, 2015, 799, 50.	4.5	59
35	Molecular Outflows and a Midâ€Infrared Census of the Massive Star Formation Region Associated with IRAS 18507+0121. Astrophysical Journal, 2007, 669, 464-482.	4.5	59
36	HERschelKEY PROGRAM HERITAGE: A FAR-INFRARED SOURCE CATALOG FOR THE MAGELLANIC CLOUDS. Astronomical Journal, 2014, 148, 124.	4.7	56

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37	Interstellar Weather Vanes: GLIMPSE Midâ€Infrared Stellar Wind Bow Shocks in M17 and RCW 49. Astrophysical Journal, 2008, 689, 242-248.	4.5	54
38	SURVEYING THE AGENTS OF GALAXY EVOLUTION IN THE TIDALLY STRIPPED, LOW METALLICITY SMALL MAGELLANIC CLOUD (SAGE-SMC). III. YOUNG STELLAR OBJECTS. Astrophysical Journal, 2013, 778, 15.	4.5	53
39	AUTONOMOUS GAUSSIAN DECOMPOSITION. Astronomical Journal, 2015, 149, 138.	4.7	53
40	VARIABLE EVOLVED STARS AND YOUNG STELLAR OBJECTS DISCOVERED IN THE LARGE MAGELLANIC CLOUD USING THESAGESURVEY. Astronomical Journal, 2009, 137, 3139-3148.	4.7	48
41	SpitzerIRAC Observations of Newly Discovered Planetary Nebulae from the Macquarieâ€AAOâ€Strasbourg HÎ± Planetary Nebula Project. Astrophysical Journal, 2007, 669, 343-362.	4.5	45
42	SPITZERANALYSIS OF H II REGION COMPLEXES IN THE MAGELLANIC CLOUDS: DETERMINING A SUITABLE MONOCHROMATIC OBSCURED STAR FORMATION INDICATOR. Astrophysical Journal, 2010, 716, 453-473.	4.5	44
43	IS DUST FORMING ON THE RED GIANT BRANCH IN 47 Tuc?. Astrophysical Journal Letters, 2010, 711, L99-L103.	8.3	41
44	Absolute diffuse calibration of IRAC through mid-infrared and radio study of H II regions. Monthly Notices of the Royal Astronomical Society, 2007, 374, 979-998.	4.4	40
45	DUST PRODUCTION AND MASS LOSS IN THE GALACTIC GLOBULAR CLUSTER NGC 362. Astrophysical Journal, 2009, 705, 746-757.	4.5	40
46	SPITZERSAGE OBSERVATIONS OF LARGE MAGELLANIC CLOUD PLANETARY NEBULAE. Astronomical Journal, 2008, 135, 726-736.	4.7	39
47	Discovery of a New Low-Latitude Milky Way Globular Cluster Using GLIMPSE. Astronomical Journal, 2005, 129, 239-250.	4.7	37
48	CANDIDATE X-RAY-EMITTING OB STARS IN THE CARINA NEBULA IDENTIFIED VIA INFRARED SPECTRAL ENERGY DISTRIBUTIONS. Astrophysical Journal, Supplement Series, 2011, 194, 6.	7.7	37
49	THE SPATIAL DISTRIBUTION OF DUST AND STELLAR EMISSION OF THE MAGELLANIC CLOUDS. Astrophysical Journal, 2012, 761, 42.	4.5	36
50	SAGE-VAR: AN INFRARED SURVEY OF VARIABILITY IN THE MAGELLANIC CLOUDS. Astrophysical Journal, 2015, 807, 1.	4.5	35
51	Identification of Mainâ€Sequence Stars with Midâ€Infrared Excesses Using GLIMPSE: Î² Pictoris Analogs?. Astrophysical Journal, 2005, 629, 512-525.	4.5	24
52	THE LARGE MAGELLANIC CLOUD'S LARGEST MOLECULAR CLOUD COMPLEX:SPITZERANALYSIS OF EMBEDDED STAR FORMATION. Astronomical Journal, 2008, 136, 1442-1454.	4.7	23
53	Recovering Interstellar Gas Properties with Hi Spectral Lines: A Comparison between Synthetic Spectra and 21-SPONGE. Astrophysical Journal, 2017, 837, 55.	4.5	21
54	The Frequency of Midâ€Infrared Excess Sources in Galactic Surveys. Astrophysical Journal, 2007, 658, 1264-1288.	4.5	18

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55	Identifying Young Stellar Objects in the Outer Galaxy: lÂ=Â224Â° Region in Canis Major. Astrophysical Journal, Supplement Series, 2019, 240, 26.	7.7	17
56	Mapping Spatial Variations of H i Turbulent Properties in the Small and Large Magellanic Cloud. Astrophysical Journal, 2019, 887, 111.	4.5	17
57	G313.3+00.3: A New Planetary Nebula Discovered by the Australia Telescope Compact Array and theSpitzer Space Telescope. Astrophysical Journal, 2005, 627, 446-453.	4.5	16
58	YOUNG STELLAR OBJECTS IN THE LARGE MAGELLANIC CLOUD STAR-FORMING REGION N206. Astrophysical Journal, 2010, 721, 357-368.	4.5	13
59	Spatial Variations of Turbulent Properties of Neutral Hydrogen Gas in the Small Magellanic Cloud Using Structure-function Analysis. Astrophysical Journal, 2017, 845, 53.	4.5	13
60	Infrared Point-Source Variability between theSpitzerandMidcourse Space ExperimentSurveys of the Galactic Midplane. Astronomical Journal, 2007, 134, 2099-2112.	4.7	12
61	Structure Generation by Irradiation: What Can GLIMPSE Teach Us about the ISM Structure?. Astrophysical Journal, 2007, 656, 227-241.	4.5	8
62	Discovery of Two Galaxies Deeply Embedded in the Great Attractor Wall. Astronomical Journal, 2007, 133, 979-986.	4.7	8
63	Discovery of a Distant Star Formation Region using GLIMPSE. Astrophysical Journal, Supplement Series, 2004, 154, 328-332.	7.7	5
64	The Role of Neutral Hydrogen in Setting the Abundances of Molecular Species in the Milky Wayâ€™s Diffuse Interstellar Medium. I. Observational Constraints from ALMA and NOEMA. Astrophysical Journal, 2022, 928, 79.	4.5	5
65	A GLIMPSE of the Southern Jellyfish Nebula and Its Massive YSO. Astrophysical Journal, 2007, 656, 242-247.	4.5	4
66	Small-scale Structure Traced by Neutral Hydrogen Absorption in the Direction of Multiple-component Radio Continuum Sources. Astrophysical Journal, 2020, 893, 152.	4.5	4
67	The Role of Neutral Hydrogen in Setting the Abundances of Molecular Species in the Milky Wayâ€™s Diffuse Interstellar Medium. II. Comparison between Observations and Theoretical Models. Astrophysical Journal, 2022, 926, 190.	4.5	3
68	13 yr of P Cygni Spectropolarimetry: Investigating Mass Loss through HÎ±, Periodicity, and Ellipticity. Astrophysical Journal, 2020, 900, 162.	4.5	1
69	Early results from the SAGE-SMC Spitzer legacy. Proceedings of the International Astronomical Union, 2008, 4, 184-188.	0.0	0