James G Ingalls

List of Publications by Year
in descending order

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47 papers	3,768 citations	279798 23 h-index	254184 43 g-index
48 all docs	48 docs citations	48 times ranked	4658 citing authors

#	Article	IF	Citations
1	Transit Timing Variations for AU Microscopii b and c. Astronomical Journal, 2022, 164, 27.	4.7	10
2	The Field Substellar Mass Function Based on the Full-sky 20 pc Census of 525 L, T, and Y Dwarfs. Astrophysical Journal, Supplement Series, 2021, 253, 7.	7.7	87
3	Spitzer IRAC Photometry of JWST Calibration Stars. Astronomical Journal, 2021, 161, 177.	4.7	9
4	Refining the Transit-timing and Photometric Analysis of TRAPPIST-1: Masses, Radii, Densities, Dynamics, and Ephemerides. Planetary Science Journal, 2021, 2, 1.	3.6	161
5	Preliminary Trigonometric Parallaxes of 184 Late-T and Y Dwarfs and an Analysis of the Field Substellar Mass Function into the â€œPlanetaryâ€•Mass Regime. Astrophysical Journal, Supplement Series, 2019, 240, 19.	7.7	83
6	Y Dwarf Trigonometric Parallaxes from the Spitzer Space Telescope. Astrophysical Journal, 2018, 867, 109.	4.5	25
7	The Transiting Exoplanet Community Early Release Science Program for JWST. Publications of the Astronomical Society of the Pacific, 2018, 130, 114402.	3.1	100
8	Non-detection of Contamination by Stellar Activity in the Spitzer Transit Light Curves of TRAPPIST-1. Astrophysical Journal Letters, 2018, 863, L32.	8.3	17
9	Multiwavelength Light Curves of Two Remarkable Sagittarius A* Flares. Astrophysical Journal, 2018, 864, 58.	4.5	20
10	The nature of the TRAPPIST-1 exoplanets. Astronomy and Astrophysics, 2018, 613, A68.	5.1	246
11	Variability Timescale and Spectral Index of Sgr A* in the Near Infrared: Approximate Bayesian Computation Analysis of the Variability of the Closest Supermassive Black Hole. Astrophysical Journal, 2018, 863, 15.	4.5	83
12	Using the Spitzer IRAC science archive for instrument trending. , 2018, , .		3
13	Correcting distortions in the infrared array camera during the cryogenic mission of the Spitzer Space Telescope. , 2018, , .		0
14	Spitzer/IRAC precision photometry: a machine learning approach. , 2018, , .		2
15	Seven temperate terrestrial planets around the nearby ultracool dwarf star TRAPPIST-1. Nature, 2017, 542, 456-460.	27.8	1,144
16	A seven-planet resonant chain in TRAPPIST-1. Nature Astronomy, 2017, 1, .	10.1	263
17	SPITZER SECONDARY ECLIPSE DEPTHS WITH MULTIPLE INTRAPIXEL SENSITIVITY CORRECTION METHODS OBSERVATIONS OF WASP-13b, WASP-15b, WASP-16b, WASP-62b, AND HAT-P-22b. Astronomical Journal, 2017, 153, 22.	4.7	19
18	SPITZER SPACE TELESCOPE MID-IR LIGHT CURVES OF NEPTUNE. Astronomical Journal, 2016, 152, 142.	4.7	12

#	Article	IF	Citations
19	SPITZER IRAC SPARSELY SAMPLED PHASE CURVE OF THE EXOPLANET WASP-14B. Astrophysical Journal, 2016, 824, 27.	4.5	25
20	REPEATABILITY AND ACCURACY OF EXOPLANET ECLIPSE DEPTHS MEASURED WITH POST-CRYOGENIC SPITZER. Astronomical Journal, 2016, 152, 44.	4.7	102
21	Spitzer Infrared Array Camera (IRAC) Pipeline: final modifications and lessons learned. Proceedings of SPIE, 2016, , .	0.8	4
22	SPITZERSECONDARY ECLIPSES OF THE DENSE, MODESTLY-IRRADIATED, GIANT EXOPLANET HAT-P-$20{m b}$ USING PIXEL-LEVEL DECORRELATION. Astrophysical Journal, 2015, 805, 132.	4.5	212
23	Using drift scans to improve astrometry with Spitzer. Proceedings of SPIE, 2014, , .	0.8	4
24	Enhancement of the Spitzer Infrared Array Camera (IRAC) distortion correction for parallax measurements. Proceedings of SPIE, 2014, , .	0.8	5
25	Improving our understanding of the Spitzer Space Telescope's pointing drifts. Proceedings of SPIE, 2014, , .	0.8	3
26	SPITZER/IRAC OBSERVATIONS OF THE VARIABILITY OF Sgr A* AND THE OBJECT G2 AT 4.5 Î¼m. Astrophysical Journal, 2014, 793, 120.	4.5	33
27	Pointing effects and their consequences for Spitzer IRAC exoplanet observations. Proceedings of SPIE, 2012, , .	0.8	24
28	THESPITZERSPECTROSCOPIC SURVEY OF THE SMALL MAGELLANIC CLOUD (S⁴MC): PROBING THE PHYSICAL STATE OF POLYCYCLIC AROMATIC HYDROCARBONS IN A LOW-METALLICITY ENVIRONMENT. Astrophysical Journal, 2012, 744, 20.	4.5	73
29	ASPITZER/IRAC MEASURE OF THE ZODIACAL LIGHT. Astrophysical Journal, 2012, 754, 53.	4.5	18
30	The IRAC point response function in the warm Spitzer mission. Proceedings of SPIE, 2012, , .	0.8	16
31	A Spitzer IRAC measure of the zodiacal light. Proceedings of SPIE, 2012, , .	0.8	1
32	Absolute photometric calibration of IRAC: lessons learned using nine years of flight data. Proceedings of SPIE, 2012, , .	0.8	17
33	Modifications to the warm Spitzer data reduction pipeline. Proceedings of SPIE, 2012, , .	0.8	2
34	Intra-pixel gain variations and high-precision photometry with the Infrared Array Camera (IRAC). Proceedings of SPIE, 2012, , .	0.8	61
35	SPITZERINFRARED SPECTROGRAPH DETECTION OF MOLECULAR HYDROGEN ROTATIONAL EMISSION TOWARDS TRANSLUCENT CLOUDS. Astrophysical Journal, 2011, 743, 174.	4.5	50
36	Calibration and data quality of warm IRAC. Proceedings of SPIE, 2010, , .	0.8	11

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37	C ₆₀ IN REFLECTION NEBULAE. Astrophysical Journal Letters, 2010, 722, L54-L57.	8.3	295
38	Spitzer Spectral Observations of the Deep Impact Ejecta. Science, 2006, 313, 635-640.	12.6	298
39	The galactic first-look survey with the Spitzer space telescope. Advances in Space Research, 2005, 36, 1050-1056.	2.6	0
40	Structure and Colors of Diffuse Emission in the Spitzer Galactic First Look Survey. Astrophysical Journal, Supplement Series, 2004, 154, 281-285.	7.7	23
41	Photoelectric Heating and [Cii] Cooling of High Galactic Latitude Translucent Clouds. Astrophysical Journal, 2002, 579, 289-303.	4.5	19
42	Physical State of Molecular Gas in High Galactic Latitude Translucent Clouds. Astrophysical Journal, 2000, 535, 211-226.	4.5	15
43	A Semianalytical Model for the Observational Properties of the Dominant Carbon Species at Different Metallicities. Astrophysical Journal, 1999, 513, 275-286.	4.5	77
44	Atomic Carbon Observations of Southern Hemisphere HiiRegions. Astrophysical Journal, 1999, 517, 282-291.	4.5	19
45	Optical and mechanical design of the Antarctic Submillimeter Telescope and Remote Observatory. Review of Scientific Instruments, 1997, 68, 2200-2213.	1.3	28
46	Atomic Carbon in Southern Hemisphere Highâ€Latitude Clouds. Astrophysical Journal, 1997, 479, 296-302.	4.5	31
47	Atomic carbon in the high-latitude molecular cloud MBM 12. Astrophysical Journal, 1994, 431, L139.	4.5	18