Joseph Harrington

List of Publications by Year in Descending Order

32 papers	7,904 citations	19 h-index	32 g-index
32 ext. papers	13,580 ext. citations	8.3 avg, IF	4.86 L-index

#	Paper	IF	Citations
32	An Open-source Bayesian Atmospheric Radiative Transfer (BART) Code. III. Initialization, Atmospheric Profile Generator, Post-processing Routines. *Planetary Science Journal*, **2022**, 3, 82	2.9	6
31	An Open-source Bayesian Atmospheric Radiative Transfer (BART) Code. I. Design, Tests, and Application to Exoplanet HD 189733b. *Planetary Science Journal*, **2022**, 3, 80	2.9	6
30	An Open-source Bayesian Atmospheric Radiative Transfer (BART) Code. II. The Transit Radiative Transfer Module and Retrieval of HAT-P-11b. *Planetary Science Journal*, **2022**, 3, 81	2.9	7
29	Spitzer Dayside Emission of WASP-34b. *Planetary Science Journal*, **2022**, 3, 86	2.9	
28	Accurate Machine-learning Atmospheric Retrieval via a Neural-network Surrogate Model for Radiative Transfer. *Planetary Science Journal*, **2022**, 3, 91	2.9	1
27	On the Dayside Atmosphere of WASP-12b. *Astrophysical Journal*, **2022**, 931, 86	4.7	0
26	Identification and Mitigation of a Vibrational Telescope Systematic with Application to Spitzer. *Planetary Science Journal*, **2021**, 2, 9	2.9	4
25	SciPy 1.0: fundamental algorithms for scientific computing in Python. *Nature Methods*, **2020**, 17, 261-272	21.6	6244
24	Proxima Centauri b is not a transiting exoplanet. *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 268-274	4.3	13
23	Jupiter□ Atmospheric Variability from Long-term Ground-based Observations at 5 □m. *Astronomical Journal*, **2019**, 158, 130	4.9	10
22	The Transiting Exoplanet Community Early Release Science Program for JWST. *Publications of the Astronomical Society of the Pacific*, **2018**, 130, 114402	5	51
21	Infrared Characterization of Jupiter's Equatorial Disturbance Cycle. *Geophysical Research Letters*, **2018**, 45, 10,987	4.9	11
20	ON CORRELATED-NOISE ANALYSES APPLIED TO EXOPLANET LIGHT CURVES. *Astronomical Journal*, **2017**, 153, 3	4.9	85
19	Secondary Eclipses of HAT-P-13b. *Astrophysical Journal*, **2017**, 836, 143	4.7	30
18	Transiting Exoplanet Studies and Community Targets forJWST's Early Release Science Program. *Publications of the Astronomical Society of the Pacific*, **2016**, 128, 094401	5	76
17	TEA: A CODE CALCULATING THERMOCHEMICAL EQUILIBRIUM ABUNDANCES. *Astrophysical Journal, Supplement Series*, **2016**, 225, 4	8	59
16	Least Asymmetry Centering Method and Comparisons. *Publications of the Astronomical Society of the Pacific*, **2014**, 126, 1092-1101	5	13

15	The thermal emission of the exoplanet WASP-3b. *Monthly Notices of the Royal Astronomical Society*, **2014**, 441, 3666-3678	4.3	27
14	ASPITZERFIVE-BAND ANALYSIS OF THE JUPITER-SIZED PLANET TrES-1. *Astrophysical Journal*, **2014**, 797, 42	4.7	37
13	SPITZEROBSERVATIONS OF THE THERMAL EMISSION FROM WASP-43b. *Astrophysical Journal*, **2014** , 781, 116	4.7	76
12	DECIPHERING THE ATMOSPHERIC COMPOSITION OF WASP-12b: A COMPREHENSIVE ANALYSIS OF ITS DAYSIDE EMISSION. *Astrophysical Journal*, **2014**, 791, 36	4.7	115
11	WASP-8b: CHARACTERIZATION OF A COOL AND ECCENTRIC EXOPLANET WITHSPITZER. *Astrophysical Journal*, **2013**, 768, 42	4.7	66
10	THERMAL EMISSION OF WASP-14b REVEALED WITH THREESPITZERECLIPSES. *Astrophysical Journal* , **2013**, 779, 5	4.7	56
9	TRANSIT AND ECLIPSE ANALYSES OF THE EXOPLANET HD 149026b USING BLISS MAPPING. *Astrophysical Journal*, **2012**, 754, 136	4.7	130
8	SPITZERSECONDARY ECLIPSES OF WASP-18b. *Astrophysical Journal*, **2011**, 742, 35	4.7	75
7	ON THE ORBIT OF EXOPLANET WASP-12b. *Astrophysical Journal*, **2011**, 727, 125	4.7	115
6	A high C/O ratio and weak thermal inversion in the atmosphere of exoplanet WASP-12b. *Nature*, **2011**, 469, 64-7	50.4	246
5	Detection of Planetary Emission from TrES-2 using Spitzer/IRAC. *Proceedings of the International Astronomical Union*, **2008**, 4, 536-539	0.1	1
4	The hottest planet. *Nature*, **2007**, 447, 691-3	50.4	126
3	The phase-dependent infrared brightness of the extrasolar planet upsilon Andromedae b. *Science*, **2006**, 314, 623-6	33.3	192
2	Jupiter's Tropospheric Thermal Emission. I. Observations and Techniques. *Icarus*, **1996**, 124, 22-31	3.8	7
1	Jupiter's Tropospheric Thermal Emission. II. Power Spectrum Analysis and Wave Search. *Icarus*, **1996**, 124, 32-44	3.8	19